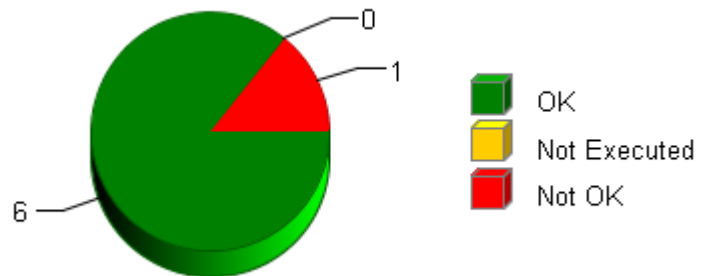


## Summary

**Total Test Objects:** 7  
**Successful:** 6  
**Failed:** 1  
**Not Executed:** 0  
**Date:** 2015-02-18  
**Time:** 15:46:40+0530

## Overall Test Object Results (including Coverage)



## Selected Project Items

Test Object "C1XX\_UnitTest/CDDInterface/CDDInterface\_Init1"  
 Test Object "C1XX\_UnitTest/CDDInterface/CDDInterface\_Init2"  
 Test Object "C1XX\_UnitTest/CDDInterface/CDDInterface\_Init3"  
 Test Object "C1XX\_UnitTest/CDDInterface/CDDInterface\_Per1"  
 Test Object "C1XX\_UnitTest/CDDInterface/CDDInterface\_Per2"  
 Test Object "C1XX\_UnitTest/CDDInterface/CDDInterface\_Per4"  
 Test Object "C1XX\_UnitTest/CDDInterface/CDDPorts\_ApplyMtrElecMechPol"

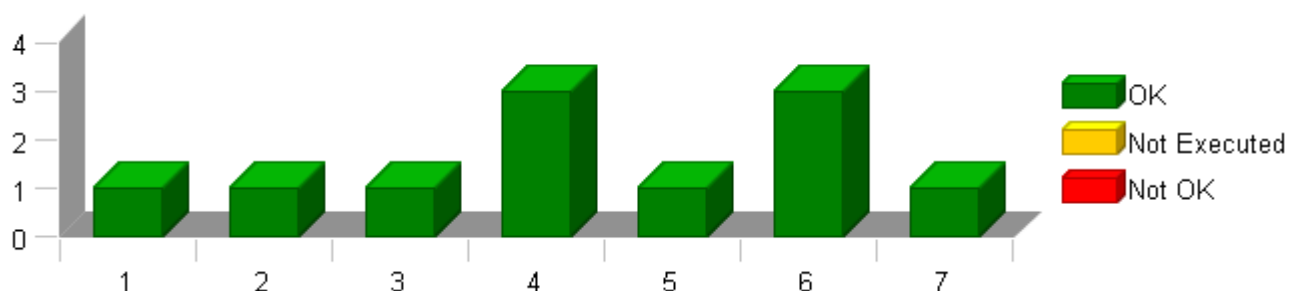
## Used Test Environments

TI TMS 570 PLS UDE (Default)

## Batch Operation Settings

**Check Interface:** No  
**Generate Driver:** Yes  
**Execute Test:** Yes  
**Create New Test Run:** No  
**Instrumentation:** Test Object Only  
**Coverage:** Statement Coverage, Branch Coverage, Decision Coverage, Modified Condition / Decision Coverage, Multiple Condition Coverage

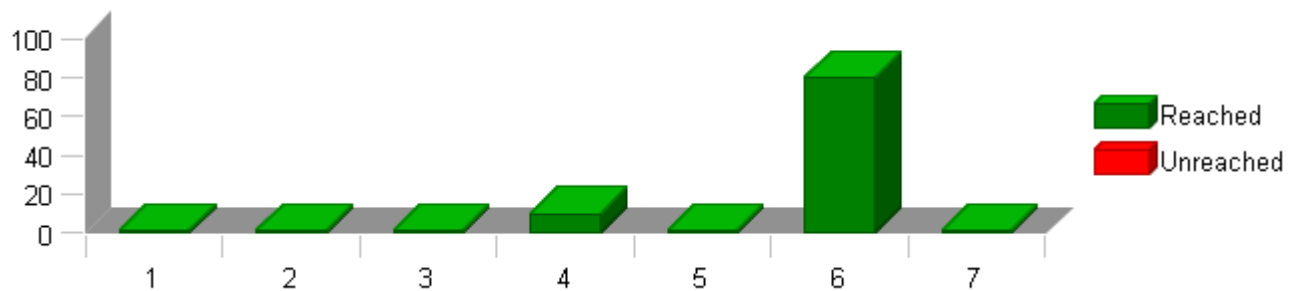
## Test Case Results for Each Test Object (without Coverage)



The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results

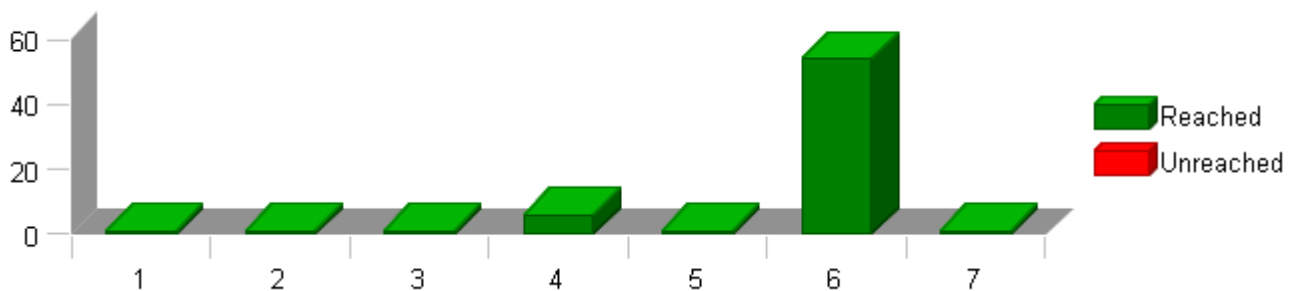
do not take into account any coverage result (i.e. if all test cases of a test object are passed in this table but the coverage is failed, the overall test object result will be failed).

### Statement (C0) Coverage: Total Statements for Each Test Object



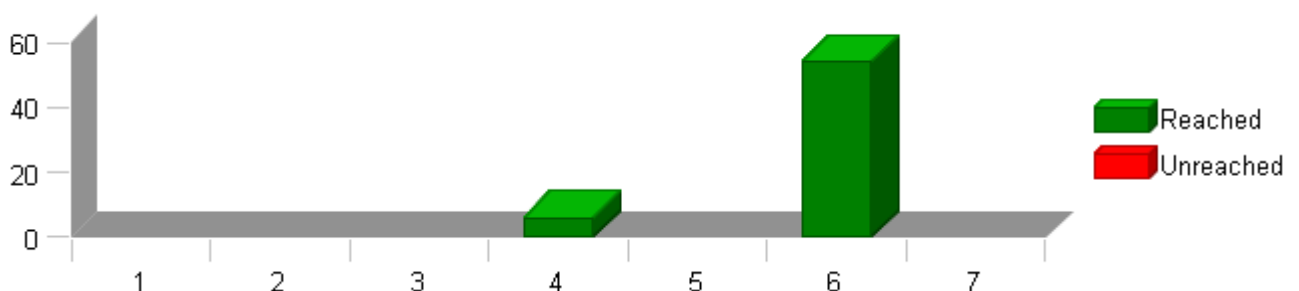
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

### Branch (C1) Coverage: Total Branches for Each Test Object



The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

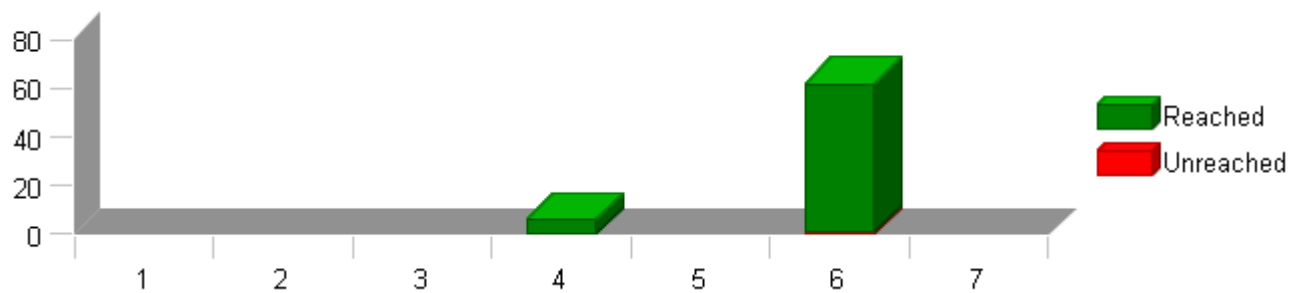
### Decision Coverage: Total Decision Outcomes for Each Test Object



The table above shows test objects on the x axis and the number of possible outcomes of all decisions of the respective test object on the y axis. To achieve full DC coverage, each decision must evaluate to both true and false.

Each bar is divided into reached and unreached decision outcomes.

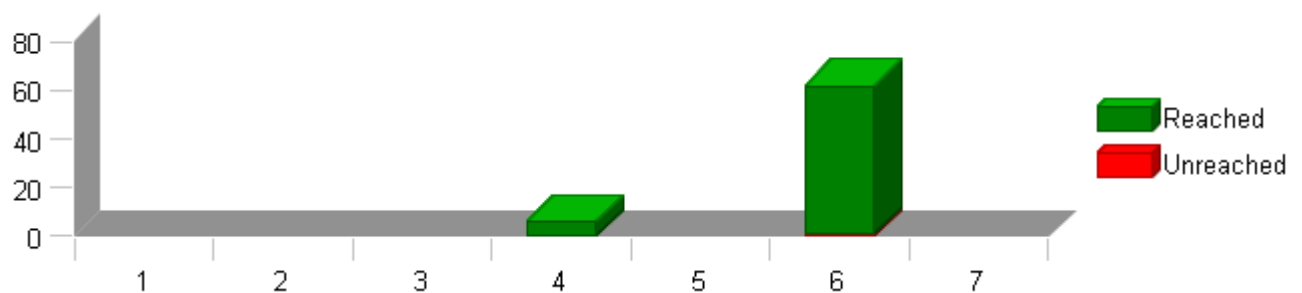
## MC/DC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, each decision requires all contained atomic conditions to evaluate to both true and false independently of all other conditions. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

## MCC Coverage: Total Condition Combinations for Each Test Object



The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MCC coverage, each decision requires all contained atomic conditions to evaluate to all possible combinations of true and false values. The cumulated number of rows within such tables of condition combinations is what is displayed in this table.

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.

## TEST OVERVIEW REPORT

2015-02-18, 15:46:40+0530

Project CDDInterface



### Test Object List

The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

Please note that only test objects are numbered within the first column. This number is referenced on the x axis within the overview charts for test case and coverage results available on previous pages (if included into the report).

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	CDDInterface	100 %	100 %	100 %	98.52 %	98.52 %	11 of 11 passed	✘
	C1XX_UnitTest	100 %	100 %	100 %	98.52 %	98.52 %	11 of 11 passed	✘
	CDDInterface	100 %	100 %	100 %	98.52 %	98.52 %	11 of 11 passed	✘
1	<a href="#">CDDInterface_Init1</a>	100 %	100 %	-	-	-	1 of 1 passed	✔
2	<a href="#">CDDInterface_Init2</a>	100 %	100 %	-	-	-	1 of 1 passed	✔
3	<a href="#">CDDInterface_Init3</a>	100 %	100 %	-	-	-	1 of 1 passed	✔
4	<a href="#">CDDInterface_Per1</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✔
5	<a href="#">CDDInterface_Per2</a>	100 %	100 %	-	-	-	1 of 1 passed	✔
6	<a href="#">CDDInterface_Per4</a>	100 %	100 %	100 %	98.38 %	98.38 %	3 of 3 passed	✘
7	<a href="#">CDDPorts_ApplyMtrElecMechPol</a>	100 %	100 %	-	-	-	1 of 1 passed	✔

# TEST DETAILS REPORT

2015-02-18, 15:35:28+0530

CDDInterface\_Init1



Project	CDDInterface
Module	CDDInterface
Test Object	CDDInterface_Init1

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested."  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtrMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtrMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0

# TEST DETAILS REPORT

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CDDInterface\_Init1



Attributes	
Name	Value
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Boundary Test

**Specification** Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS1.1 4.00 Cycles  
TS1.2 4.00 Cycles  
TS1.3 4.00 Cycles

**Description** Vector Description:

TS1.1 Nvm\_IgnCntr\_Cnt\_u16=min  
TS1.2 Nvm\_IgnCntr\_Cnt\_u16=max  
TS1.3 Nvm\_IgnCntr\_Cnt\_u16=pos

## Test Step 1.1 (Repeat Count = 1)

Name		Input Value	
Nvm_IgnCntr_Cnt_u16		0	
Rte_Inst_Sa_CDDInterface		tgt_Rte_Inst_Sa_CDDInterface	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Init1_IgnCnt_Cnt_u16		tgt_CDDInterface_Init1_IgnCnt_Cnt_u16	
Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Init1_IgnCnt_Cnt_u16.value	0	0	✓

## Test Step 1.2 (Repeat Count = 1)

Name		Input Value	
Nvm_IgnCntr_Cnt_u16		65535	
Rte_Inst_Sa_CDDInterface		tgt_Rte_Inst_Sa_CDDInterface	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Init1_IgnCnt_Cnt_u16		tgt_CDDInterface_Init1_IgnCnt_Cnt_u16	
Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Init1_IgnCnt_Cnt_u16.value	65535	65535	✓

## Test Step 1.3 (Repeat Count = 1)

Name		Input Value	
Nvm_IgnCntr_Cnt_u16		45220	
Rte_Inst_Sa_CDDInterface		tgt_Rte_Inst_Sa_CDDInterface	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Init1_IgnCnt_Cnt_u16		tgt_CDDInterface_Init1_IgnCnt_Cnt_u16	
Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Init1_IgnCnt_Cnt_u16.value	45220	45220	✓

# TEST DETAILS REPORT

2015-02-18, 15:41:12+0530

CDDInterface\_Per1



Project	CDDInterface
Module	CDDInterface
Test Object	CDDInterface_Per1

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	100 %
MC/DC Coverage	100 %

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested.  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl



# TEST DETAILS REPORT

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CDDInterface\_Per1



Attributes	
Name	Value
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Case 1: Metrics Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)  
CPU Cycles:

TS1.1 1124.00 Cycles  
TS1.2 1131.00 Cycles

**Description** Vector Description:

TS1.1Shortest Execution Path :(PXAccum\_Cnt\_T\_u32[i] < PXAccumPrev\_Cnt\_M\_u32[i])=false,( PhaseAdvFinal\_Cnt\_T\_u16 >= D\_HALFREV\_CNT\_U16 )=false  
TS1.2Longest Execution Path :(PXAccum\_Cnt\_T\_u32[i] < PXAccumPrev\_Cnt\_M\_u32[i])=True/false,( PhaseAdvFinal\_Cnt\_T\_u16 >= D\_HALFREV\_CNT\_U16 )=false

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4.2949673e+009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4.2949673e+009
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	65535
CDD_CumMechMtrPos_Rev_G_s15p16[0]	32767
CDD_CumMechMtrPos_Rev_G_s15p16[1]	32767
CDD_Die1RxError_Cnt_G_u16[0]	65535
CDD_Die1RxError_Cnt_G_u16[1]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[1]	65535
CDD_Die2RxError_Cnt_G_u16[0]	65535
CDD_Die2RxError_Cnt_G_u16[1]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[1]	65535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4294967295
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4294967295
CDD_ModIdxFinal_Uls_G_u16p16[0]	65534
CDD_ModIdxFinal_Uls_G_u16p16[1]	65534
CDD_MtrCurr1_Volts_G_f32[0]	5
CDD_MtrCurr1_Volts_G_f32[1]	5
CDD_MtrCurr2_Volts_G_f32[0]	5
CDD_MtrCurr2_Volts_G_f32[1]	5
CDD_MtrCurrDax_Amp_G_f32[0]	220
CDD_MtrCurrDax_Amp_G_f32[1]	220
CDD_MtrCurrK1_Amps_G_f32[0]	220
CDD_MtrCurrK1_Amps_G_f32[1]	220
CDD_MtrCurrK2_Amps_G_f32[0]	220
CDD_MtrCurrK2_Amps_G_f32[1]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	220
CDD_MtrCurrQax_Amp_G_f32[0]	220
CDD_MtrCurrQax_Amp_G_f32[1]	220
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	200000
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	200000
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	200000
CDD_PhaseAdvFinal_Cnt_G_u16[0]	65535
CDD_PhaseAdvFinal_Cnt_G_u16[1]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	65535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	65535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[1]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	65535
PXAccumPrev_Cnt_M_u32[0]	536870911

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
PXAccumPrev_Cnt_M_u32[1]	536870911		
PXAccumPrev_Cnt_M_u32[2]	536870911		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	536870911		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltFitAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltFitAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[1]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[2]	67108863	67108863	✔
target_CDDInterface_Per1_Die1UnderVoltFitAccum_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	5	5 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	5	5 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4.2949673e+009	4.2949673e+009	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.999984741	0.999984741	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	65535	65535	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.499984741	0.5 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	67108864	67108864	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	67108864	67108864	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	67108864	67108864	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.999969482	0.999984741 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	65535	65535	✔

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CDDInterface\_Per1

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.999984741	0.999984741 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	65535	65535	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

Test Step 1.2 (Repeat Count = 1)	
Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.81006
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	2621
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-7864
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-18350
CDD_Die1RxError_Cnt_G_u16[0]	4898
CDD_Die1RxError_Cnt_G_u16[1]	6966
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5382
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7714
CDD_Die1RxRevCtr_Cnt_G_u16[0]	4656
CDD_Die1RxRevCtr_Cnt_G_u16[1]	6592
CDD_Die2RxError_Cnt_G_u16[0]	4777
CDD_Die2RxError_Cnt_G_u16[1]	6779
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5382
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7714
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5140
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7340
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2841
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3787
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4777
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6779
CDD_ModIdxFinal_Uls_G_u16p16[0]	20506
CDD_ModIdxFinal_Uls_G_u16p16[1]	20512
CDD_MtrCurr1_Volts_G_f32[0]	0.0007644
CDD_MtrCurr1_Volts_G_f32[1]	2.00076437
CDD_MtrCurr2_Volts_G_f32[0]	0.0007644
CDD_MtrCurr2_Volts_G_f32[1]	1.00076437
CDD_MtrCurrDax_Amp_G_f32[0]	100.264999
CDD_MtrCurrDax_Amp_G_f32[1]	110.487999
CDD_MtrCurrK1_Amps_G_f32[0]	55.5800018
CDD_MtrCurrK1_Amps_G_f32[1]	76.9499969
CDD_MtrCurrK2_Amps_G_f32[0]	19.8799992
CDD_MtrCurrK2_Amps_G_f32[1]	19.5699997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-204.639999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-177.850006
CDD_MtrCurrQax_Amp_G_f32[0]	-120.220001
CDD_MtrCurrQax_Amp_G_f32[1]	104.269997
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	142
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	158
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	2357
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	3039
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	2599
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	3413
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5624
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8088
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5019
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7153
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5140
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7340
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2720
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3600
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	2621
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	3276
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	2621
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	3276
PXAccumPrev_Cnt_M_u32[0]	222
PXAccumPrev_Cnt_M_u32[1]	368
PXAccumPrev_Cnt_M_u32[2]	5239
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface

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CDDInterface\_Per1

Name	Input Value		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	756887		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4785545		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	0	0	✔
PXAccumPrev_Cnt_M_u32[1]	94610	94610	✔
PXAccumPrev_Cnt_M_u32[2]	598193	598193	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0007644	0.0007644 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0007644	0.0007644 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.81006	5140.81006	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.119995117	-0.119995117 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4898	4898	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4656	4656	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4777	4777	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	142	142	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2357	2357	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	2599	2599	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	527	527	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	536870690	536870690	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	94242	94242	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	592954	592954	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	2841	2841	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4777	4777	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.312896729	0.312896729 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	100.264999	100.264999	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	19.8799992	19.8799992	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-204.639999	-204.639999	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-120.220001	-120.220001	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5019	5019	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2720	2720	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0399932861	0.0399932861 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	2621	2621	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

**Test Case 2: Boundary Test**

# TEST DETAILS REPORT

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CDDInterface\_Per1

**Specification** Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS2.1 1155.00 Cycles  
TS2.2 1154.00 Cycles  
TS2.3 1117.00 Cycles  
TS2.4 1117.00 Cycles  
TS2.5 1130.00 Cycles  
TS2.6 1117.00 Cycles  
TS2.7 1117.00 Cycles  
TS2.8 1149.00 Cycles  
TS2.9 1117.00 Cycles  
TS2.10 1117.00 Cycles  
TS2.11 1126.00 Cycles  
TS2.12 1117.00 Cycles  
TS2.13 1117.00 Cycles  
TS2.14 1117.00 Cycles  
TS2.15 1117.00 Cycles  
TS2.16 1117.00 Cycles  
TS2.17 1117.00 Cycles  
TS2.18 1126.00 Cycles  
TS2.19 1126.00 Cycles  
TS2.20 1117.00 Cycles  
TS2.21 1126.00 Cycles  
TS2.22 1117.00 Cycles  
TS2.23 1126.00 Cycles  
TS2.24 1117.00 Cycles  
TS2.25 1126.00 Cycles  
TS2.26 1126.00 Cycles  
TS2.27 1117.00 Cycles  
TS2.28 1126.00 Cycles  
TS2.29 1126.00 Cycles  
TS2.30 1117.00 Cycles  
TS2.31 1126.00 Cycles  
TS2.32 1126.00 Cycles  
TS2.33 1126.00 Cycles  
TS2.34 1119.00 Cycles  
TS2.35 1126.00 Cycles  
TS2.36 1126.00 Cycles  
TS2.37 1126.00 Cycles  
TS2.38 1126.00 Cycles  
TS2.39 1117.00 Cycles  
TS2.40 1126.00 Cycles  
TS2.41 1117.00 Cycles  
TS2.42 1126.00 Cycles  
TS2.43 1117.00 Cycles  
TS2.44 1126.00 Cycles  
TS2.45 1126.00 Cycles  
TS2.46 1117.00 Cycles  
TS2.47 1126.00 Cycles  
TS2.48 1126.00 Cycles  
TS2.49 1117.00 Cycles  
TS2.50 1126.00 Cycles  
TS2.51 1126.00 Cycles  
TS2.52 1126.00 Cycles  
TS2.53 1117.00 Cycles  
TS2.54 1126.00 Cycles  
TS2.55 1126.00 Cycles  
TS2.56 1126.00 Cycles  
TS2.57 1126.00 Cycles  
TS2.58 1117.00 Cycles  
TS2.59 1126.00 Cycles  
TS2.60 1117.00 Cycles  
TS2.61 1126.00 Cycles  
TS2.62 1126.00 Cycles  
TS2.63 1117.00 Cycles  
TS2.64 1126.00 Cycles  
TS2.65 1126.00 Cycles  
TS2.66 1117.00 Cycles  
TS2.67 1126.00 Cycles  
TS2.68 1126.00 Cycles  
TS2.69 1126.00 Cycles  
TS2.70 1126.00 Cycles  
TS2.71 1117.00 Cycles  
TS2.72 1126.00 Cycles  
TS2.73 1126.00 Cycles  
TS2.74 1126.00 Cycles  
TS2.75 1126.00 Cycles  
TS2.76 1117.00 Cycles  
TS2.77 1126.00 Cycles  
TS2.78 1117.00 Cycles  
TS2.79 1126.00 Cycles  
TS2.80 1117.00 Cycles  
TS2.81 1126.00 Cycles  
TS2.82 1117.00 Cycles  
TS2.83 1126.00 Cycles  
TS2.84 1126.00 Cycles  
TS2.85 1117.00 Cycles  
TS2.86 1126.00 Cycles  
TS2.87 1126.00 Cycles  
TS2.88 1117.00 Cycles  
TS2.89 1126.00 Cycles  
TS2.90 1126.00 Cycles  
TS2.91 1126.00 Cycles  
TS2.92 1117.00 Cycles  
TS2.93 1126.00 Cycles  
TS2.94 1117.00 Cycles  
TS2.95 1126.00 Cycles  
TS2.96 1126.00 Cycles  
TS2.97 1117.00 Cycles  
TS2.98 1126.00 Cycles  
TS2.99 1126.00 Cycles  
TS2.100 1117.00 Cycles  
TS2.101 1126.00 Cycles  
TS2.102 1126.00 Cycles  
TS2.103 1126.00 Cycles  
TS2.104 1126.00 Cycles  
TS2.105 1126.00 Cycles  
TS2.106 1117.00 Cycles  
TS2.107 1117.00 Cycles  
TS2.108 1139.00 Cycles  
TS2.109 1117.00 Cycles  
TS2.110 1117.00 Cycles



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CDDInterface\_Per1

TS2.111 1126.00 Cycles  
TS2.112 1126.00 Cycles

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CDDInterface\_Per1

Description	Vector Description:
	TS1.1All Min
	TS1.2All Max
	TS1.3CDD_CDDDataAccessBfr_Cnt_G_u16=min
	TS1.4CDD_CDDDataAccessBfr_Cnt_G_u16=max
	TS1.5HET_P1ACC_1.memory.data_word=min
	TS1.6HET_P1ACC_1.memory.data_word=max
	TS1.7HET_P1ACC_1.memory.data_word=pos
	TS1.8HET_P2ACC_1.memory.data_word=min
	TS1.9HET_P2ACC_1.memory.data_word=max
	TS1.10HET_P2ACC_1.memory.data_word=pos
	TS1.11HET_P3ACC_1.memory.data_word=min
	TS1.12HET_P3ACC_1.memory.data_word=max
	TS1.13HET_P3ACC_1.memory.data_word=pos
	TS1.14CDD_MtrCurrQax_Amp_G_f32[2]=min
	TS1.15CDD_MtrCurrQax_Amp_G_f32[2]=max
	TS1.16CDD_MtrCurrQax_Amp_G_f32[2]=zero
	TS1.17CDD_MtrCurrQax_Amp_G_f32[2]=pos
	TS1.18CDD_MtrCurrQax_Amp_G_f32[2]=neg
	TS1.19CDD_MtrCurrDax_Amp_G_f32[2]=min
	TS1.20CDD_MtrCurrDax_Amp_G_f32[2]=max
	TS1.21CDD_MtrCurrDax_Amp_G_f32[2]=zero
	TS1.22CDD_MtrCurrDax_Amp_G_f32[2]=pos
	TS1.23CDD_MtrCurrDax_Amp_G_f32[2]=neg
	TS1.24CDD_MtrCurr1_Volts_G_f32[2]=min
	TS1.25CDD_MtrCurr1_Volts_G_f32[2]=max
	TS1.26CDD_MtrCurr1_Volts_G_f32[2]=pos
	TS1.27CDD_MtrCurr2_Volts_G_f32[2]=min
	TS1.28CDD_MtrCurr2_Volts_G_f32[2]=max
	TS1.29CDD_MtrCurr2_Volts_G_f32[2]=pos
	TS1.30CDD_ModIdxFinal_Uls_G_u16p16[2]=min
	TS1.31CDD_ModIdxFinal_Uls_G_u16p16[2]=max
	TS1.32CDD_ModIdxFinal_Uls_G_u16p16[2]=pos
	TS1.33CDD_PhaseAdvFinal_Cnt_G_u16[2]=min
	TS1.34CDD_PhaseAdvFinal_Cnt_G_u16[2]=max
	TS1.35CDD_PhaseAdvFinal_Cnt_G_u16[2]=pos
	TS1.36CDD_MtrCurrQaxFinalRef_Amp_G_f32[2]=min
	TS1.37CDD_MtrCurrQaxFinalRef_Amp_G_f32[2]=max
	TS1.38CDD_MtrCurrQaxFinalRef_Amp_G_f32[2]=zero
	TS1.39CDD_MtrCurrQaxFinalRef_Amp_G_f32[2]=pos
	TS1.40CDD_MtrCurrQaxFinalRef_Amp_G_f32[2]=neg
	TS1.41CDD_MtrCurrK1_Amps_G_f32[2]=min
	TS1.42CDD_MtrCurrK1_Amps_G_f32[2]=max
	TS1.43CDD_MtrCurrK1_Amps_G_f32[2]=zero
	TS1.44CDD_MtrCurrK1_Amps_G_f32[2]=pos
	TS1.45CDD_MtrCurrK1_Amps_G_f32[2]=neg
	TS1.46CDD_MtrCurrK2_Amps_G_f32[2]=min
	TS1.47CDD_MtrCurrK2_Amps_G_f32[2]=max
	TS1.48CDD_MtrCurrK2_Amps_G_f32[2]=zero
	TS1.49CDD_MtrCurrK2_Amps_G_f32[2]=pos
	TS1.50CDD_MtrCurrK2_Amps_G_f32[2]=neg
	TS1.51CDD_PWMDDutyCycleASum_Cnt_G_u32[2]=min
	TS1.52CDD_PWMDDutyCycleASum_Cnt_G_u32[2]=max
	TS1.53CDD_PWMDDutyCycleASum_Cnt_G_u32[2]=pos
	TS1.54CDD_PWMDDutyCycleBSum_Cnt_G_u32[2]=min
	TS1.55CDD_PWMDDutyCycleBSum_Cnt_G_u32[2]=max
	TS1.56CDD_PWMDDutyCycleBSum_Cnt_G_u32[2]=pos
	TS1.57CDD_PWMDDutyCycleCSum_Cnt_G_u32[2]=min
	TS1.58CDD_PWMDDutyCycleCSum_Cnt_G_u32[2]=max
	TS1.59CDD_PWMDDutyCycleCSum_Cnt_G_u32[2]=pos
	TS1.60CDD_SysCVSwitchADC_Cnt_G_u16[2]=min
	TS1.61CDD_SysCVSwitchADC_Cnt_G_u16[2]=max
	TS1.62CDD_SysCVSwitchADC_Cnt_G_u16[2]=pos
	TS1.63CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[2]=min
	TS1.64CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[2]=max
	TS1.65CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[2]=pos
	TS1.66CDD_MechMtrPos1TimeStamp_uSec_G_u32[2]=min
	TS1.67CDD_MechMtrPos1TimeStamp_uSec_G_u32[2]=max
	TS1.68CDD_MechMtrPos1TimeStamp_uSec_G_u32[2]=pos
	TS1.69CDD_MechMtrPos2TimeStamp_uSec_G_u32[2]=min
	TS1.70CDD_MechMtrPos2TimeStamp_uSec_G_u32[2]=max
	TS1.71CDD_MechMtrPos2TimeStamp_uSec_G_u32[2]=pos
	TS1.72CDD_CorrectedElecMtrPos_Rev_G_u0p16[2]=min
	TS1.73CDD_CorrectedElecMtrPos_Rev_G_u0p16[2]=max
	TS1.74CDD_CorrectedElecMtrPos_Rev_G_u0p16[2]=pos
	TS1.75CDD_UncorrMechMtrPos1_Rev_G_u0p16[2]=min
	TS1.76CDD_UncorrMechMtrPos1_Rev_G_u0p16[2]=max
	TS1.77CDD_UncorrMechMtrPos1_Rev_G_u0p16[2]=pos
	TS1.78CDD_CumMechMtrPos_Rev_G_s15p16[2]=min
	TS1.79CDD_CumMechMtrPos_Rev_G_s15p16[2]=max
	TS1.80CDD_CumMechMtrPos_Rev_G_s15p16[2]=zero
	TS1.81CDD_CumMechMtrPos_Rev_G_s15p16[2]=pos
	TS1.82CDD_CumMechMtrPos_Rev_G_s15p16[2]=neg
	TS1.83CDD_Die1RxError_Cnt_G_u16[2]=min
	TS1.84CDD_Die1RxError_Cnt_G_u16[2]=max
	TS1.85CDD_Die1RxError_Cnt_G_u16[2]=pos
	TS1.86CDD_Die2RxError_Cnt_G_u16[2]=min
	TS1.87CDD_Die2RxError_Cnt_G_u16[2]=max
	TS1.88CDD_Die2RxError_Cnt_G_u16[2]=pos
	TS1.89CDD_Die1RxRevCtr_Cnt_G_u16[2]=min
	TS1.90CDD_Die1RxRevCtr_Cnt_G_u16[2]=max
	TS1.91CDD_Die1RxRevCtr_Cnt_G_u16[2]=pos
	TS1.92CDD_Die2RxRevCtr_Cnt_G_u16[2]=min
	TS1.93CDD_Die2RxRevCtr_Cnt_G_u16[2]=max
	TS1.94CDD_Die2RxRevCtr_Cnt_G_u16[2]=pos

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TS1.95CDD\_Die1RxMtrPos\_Cnt\_G\_u16[2]=min  
TS1.96CDD\_Die1RxMtrPos\_Cnt\_G\_u16[2]=max  
TS1.97CDD\_Die1RxMtrPos\_Cnt\_G\_u16[2]=pos  
TS1.98CDD\_Die2RxMtrPos\_Cnt\_G\_u16[2]=min  
TS1.99CDD\_Die2RxMtrPos\_Cnt\_G\_u16[2]=max  
TS1.100CDD\_Die2RxMtrPos\_Cnt\_G\_u16[2]=pos  
TS1.101CDD\_RxMtrPos1ParityAccum\_Cnt\_G\_u16[2]=min  
TS1.102CDD\_RxMtrPos1ParityAccum\_Cnt\_G\_u16[2]=max  
TS1.103CDD\_RxMtrPos1ParityAccum\_Cnt\_G\_u16[2]=pos  
TS1.104CDD\_CorrMtrCurrPosition\_Rev\_G\_f32[2]=min  
TS1.105CDD\_CorrMtrCurrPosition\_Rev\_G\_f32[2]=max  
TS1.106CDD\_CorrMtrCurrPosition\_Rev\_G\_f32[2]=pos  
TS1.107PXAaccumPrev\_Cnt\_M\_u32[3]=min  
TS1.108PXAaccumPrev\_Cnt\_M\_u32[3]=max  
TS1.109PXAaccumPrev\_Cnt\_M\_u32[3]=pos  
TS1.110CDD\_RxMtrPos1UnderVltgFltAccum\_Cnt\_u16[2]=min  
TS1.111CDD\_RxMtrPos1UnderVltgFltAccum\_Cnt\_u16[2]=max  
TS1.112CDD\_RxMtrPos1UnderVltgFltAccum\_Cnt\_u16[2]=pos

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	0
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	0
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-32768
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-32768
CDD_Die1RxError_Cnt_G_u16[0]	0
CDD_Die1RxError_Cnt_G_u16[1]	0
CDD_Die1RxMtrPos_Cnt_G_u16[0]	0
CDD_Die1RxMtrPos_Cnt_G_u16[1]	0
CDD_Die1RxRevCtr_Cnt_G_u16[0]	0
CDD_Die1RxRevCtr_Cnt_G_u16[1]	0
CDD_Die2RxError_Cnt_G_u16[0]	0
CDD_Die2RxError_Cnt_G_u16[1]	0
CDD_Die2RxMtrPos_Cnt_G_u16[0]	0
CDD_Die2RxMtrPos_Cnt_G_u16[1]	0
CDD_Die2RxRevCtr_Cnt_G_u16[0]	0
CDD_Die2RxRevCtr_Cnt_G_u16[1]	0
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	0
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	0
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	0
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	0
CDD_ModIdxFinal_Uls_G_u16p16[0]	0
CDD_ModIdxFinal_Uls_G_u16p16[1]	0
CDD_MtrCurr1_Volts_G_f32[0]	0
CDD_MtrCurr1_Volts_G_f32[1]	0
CDD_MtrCurr2_Volts_G_f32[0]	0
CDD_MtrCurr2_Volts_G_f32[1]	0
CDD_MtrCurrDax_Amp_G_f32[0]	-220
CDD_MtrCurrDax_Amp_G_f32[1]	-220
CDD_MtrCurrK1_Amps_G_f32[0]	-220
CDD_MtrCurrK1_Amps_G_f32[1]	-220
CDD_MtrCurrK2_Amps_G_f32[0]	-220
CDD_MtrCurrK2_Amps_G_f32[1]	-220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-220
CDD_MtrCurrQax_Amp_G_f32[0]	-220
CDD_MtrCurrQax_Amp_G_f32[1]	-220
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	0
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	0
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	0
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	0
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	0
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	0
CDD_PhaseAdvFinal_Cnt_G_u16[0]	0
CDD_PhaseAdvFinal_Cnt_G_u16[1]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	0
CDD_RxMtrPos1UnderVltgFltAccum_Cnt_u16[0]	0
CDD_RxMtrPos1UnderVltgFltAccum_Cnt_u16[1]	0
CDD_SysCVSwitchADC_Cnt_G_u16[0]	0
CDD_SysCVSwitchADC_Cnt_G_u16[1]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	0

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Name	Input Value		
PXAccumPrev_Cnt_M_u32[0]	0		
PXAccumPrev_Cnt_M_u32[1]	0		
PXAccumPrev_Cnt_M_u32[2]	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	0		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USeC_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USeC_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USeC_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USeC_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	0	0	✓
PXAccumPrev_Cnt_M_u32[1]	0	0	✓
PXAccumPrev_Cnt_M_u32[2]	0	0	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.5	-0.5 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USeC_u32.value	0	0	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USeC_u32.value	0	0	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	0	0	✓

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CDDInterface\_Per1

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

Test Step 2.2 (Repeat Count = 1)	
Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4.2949673e+009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4.2949673e+009
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	65535
CDD_CumMechMtrPos_Rev_G_s15p16[0]	32767
CDD_CumMechMtrPos_Rev_G_s15p16[1]	32767
CDD_Die1RxError_Cnt_G_u16[0]	65535
CDD_Die1RxError_Cnt_G_u16[1]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[1]	65535
CDD_Die2RxError_Cnt_G_u16[0]	65535
CDD_Die2RxError_Cnt_G_u16[1]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[1]	65535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4294967295
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4294967295
CDD_ModIdxFinal_Uls_G_u16p16[0]	65534
CDD_ModIdxFinal_Uls_G_u16p16[1]	65534
CDD_MtrCurr1_Volts_G_f32[0]	5
CDD_MtrCurr1_Volts_G_f32[1]	5
CDD_MtrCurr2_Volts_G_f32[0]	5
CDD_MtrCurr2_Volts_G_f32[1]	5
CDD_MtrCurrDax_Amp_G_f32[0]	220
CDD_MtrCurrDax_Amp_G_f32[1]	220
CDD_MtrCurrK1_Amps_G_f32[0]	220
CDD_MtrCurrK1_Amps_G_f32[1]	220
CDD_MtrCurrK2_Amps_G_f32[0]	220
CDD_MtrCurrK2_Amps_G_f32[1]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	220
CDD_MtrCurrQax_Amp_G_f32[0]	220
CDD_MtrCurrQax_Amp_G_f32[1]	220
CDD_PWMDCycleASum_Cnt_G_u32[0]	200000
CDD_PWMDCycleASum_Cnt_G_u32[1]	200000
CDD_PWMDCycleBSum_Cnt_G_u32[0]	200000
CDD_PWMDCycleBSum_Cnt_G_u32[1]	200000
CDD_PWMDCycleCSum_Cnt_G_u32[0]	200000
CDD_PWMDCycleCSum_Cnt_G_u32[1]	200000
CDD_PhaseAdvFinal_Cnt_G_u16[0]	65535
CDD_PhaseAdvFinal_Cnt_G_u16[1]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	65535
CDD_RxMtrPos1UnderVltgFltAccum_Cnt_u16[0]	65535
CDD_RxMtrPos1UnderVltgFltAccum_Cnt_u16[1]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[1]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	65535
PXAccumPrev_Cnt_M_u32[0]	536870911
PXAccumPrev_Cnt_M_u32[1]	536870911
PXAccumPrev_Cnt_M_u32[2]	536870911

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CDDInterface\_Per1

Name	Input Value		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	536870911		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_Usec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_Usec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_Usec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_Usec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[1]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[2]	67108863	67108863	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	5	5 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	5	5 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4.2949673e+009	4.2949673e+009	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.999984741	0.999984741	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	65535	65535	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.499984741	0.5 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	67108864	67108864	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	67108864	67108864	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	67108864	67108864	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_Usec_u32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_Usec_u32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.999969482	0.999984741 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.999984741	0.999984741 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	65535	65535	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.3 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4898.52002
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6966.62012
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	655
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	1310
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-19660
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-26214
CDD_Die1RxError_Cnt_G_u16[0]	4656
CDD_Die1RxError_Cnt_G_u16[1]	6592
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5140
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7340
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5503
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7901
CDD_Die2RxError_Cnt_G_u16[0]	5503
CDD_Die2RxError_Cnt_G_u16[1]	7901
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5140
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7340
CDD_Die2RxRevCtr_Cnt_G_u16[0]	4898
CDD_Die2RxRevCtr_Cnt_G_u16[1]	6966
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2599
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3413
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	7688
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	9097
CDD_ModIdxFinal_Uls_G_u16p16[0]	32125
CDD_ModIdxFinal_Uls_G_u16p16[1]	32132
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	192.830994
CDD_MtrCurrDax_Amp_G_f32[1]	203.834
CDD_MtrCurrK1_Amps_G_f32[0]	10.25
CDD_MtrCurrK1_Amps_G_f32[1]	15.3599997
CDD_MtrCurrK2_Amps_G_f32[0]	16.2199993
CDD_MtrCurrK2_Amps_G_f32[1]	17.2299995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-78.0100021
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	67.4800034
CDD_MtrCurrQax_Amp_G_f32[0]	-140.000259
CDD_MtrCurrQax_Amp_G_f32[1]	63.0002556
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	100
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	150
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	2852
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5261
CDD_PhaseAdvFinal_Cnt_G_u16[1]	7527
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	4777
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	6779
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5261
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7527
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2357
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3039
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	1966
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	1966
PXAccumPrev_Cnt_M_u32[0]	6229
PXAccumPrev_Cnt_M_u32[1]	9023
PXAccumPrev_Cnt_M_u32[2]	11564
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	1258465
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	247863
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4778522



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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	157308	157308	✔
PXAccumPrev_Cnt_M_u32[1]	30982	30982	✔
PXAccumPrev_Cnt_M_u32[2]	597315	597315	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5261	5261	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4898.52002	4898.52002	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.00999450684	0.00999450684	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	655	655	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.299987793	-0.300003052 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4656	4656	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5503	5503	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5503	5503	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4898	4898	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	100	100	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1994	1994	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	2236	2236	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	493	493	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	151079	151079	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	21959	21959	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	585751	585751	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	2599	2599	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7688	7688	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.490188599	0.490203857 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	192.830994	192.830994	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	10.25	10.25	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	16.2199993	16.2199993	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-78.0100021	-78.0100021	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-140.000259	-140.000259	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4777	4777	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.4 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5019.52002
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7153.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	1966
CDD_CumMechMtrPos_Rev_G_s15p16[0]	20971
CDD_CumMechMtrPos_Rev_G_s15p16[1]	26869
CDD_Die1RxError_Cnt_G_u16[0]	4777
CDD_Die1RxError_Cnt_G_u16[1]	6779
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5261
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7527
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5624
CDD_Die1RxRevCtr_Cnt_G_u16[1]	8088
CDD_Die2RxError_Cnt_G_u16[0]	4656
CDD_Die2RxError_Cnt_G_u16[1]	6592
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5261
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7527
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5019
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7153
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2720
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3600
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4656
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6592
CDD_ModIdxFinal_Uls_G_u16p16[0]	8126
CDD_ModIdxFinal_Uls_G_u16p16[1]	8133
CDD_MtrCurr1_Volts_G_f32[0]	2.0005095
CDD_MtrCurr1_Volts_G_f32[1]	4.00050974
CDD_MtrCurr2_Volts_G_f32[0]	2.0005095
CDD_MtrCurr2_Volts_G_f32[1]	4.00050974
CDD_MtrCurrDax_Amp_G_f32[0]	141.156998
CDD_MtrCurrDax_Amp_G_f32[1]	151.380005
CDD_MtrCurrK1_Amps_G_f32[0]	25.3600006
CDD_MtrCurrK1_Amps_G_f32[1]	35.8899994
CDD_MtrCurrK2_Amps_G_f32[0]	17.4400005
CDD_MtrCurrK2_Amps_G_f32[1]	18.0100002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-120.220001
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	104.269997
CDD_MtrCurrQax_Amp_G_f32[0]	-78.0100021
CDD_MtrCurrQax_Amp_G_f32[1]	67.4800034
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	126
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	156
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2357
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	3039
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5382
CDD_PhaseAdvFinal_Cnt_G_u16[1]	7714
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	4898
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	6966
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5382
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7714
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2599
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3413
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	2621
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	2621
PXAccumPrev_Cnt_M_u32[0]	6350
PXAccumPrev_Cnt_M_u32[1]	9210
PXAccumPrev_Cnt_M_u32[2]	22789
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	1485762
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	685746
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4785232

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	185720	185720	✔
PXAccumPrev_Cnt_M_u32[1]	85718	85718	✔
PXAccumPrev_Cnt_M_u32[2]	598154	598154	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.00050974	4.00050974 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.00050974	4.00050974 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7153.8501	7153.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0299987793	0.0299987793	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	1966	1966	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.409988403	0.410003662 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	6592	6592	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	156	156	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2665	2665	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3039	3039	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	723	723	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	179370	179370	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	76508	76508	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	575365	575365	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3600	3600	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124099731	0.124099731 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	35.8899994	35.8899994	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	18.0100002	18.0100002	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	104.269997	104.269997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	67.4800034	67.4800034	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0399932861	0.0399932861 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	2621	2621	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.5 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.81006
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	2621
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-7864
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-18350
CDD_Die1RxError_Cnt_G_u16[0]	4898
CDD_Die1RxError_Cnt_G_u16[1]	6966
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5382
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7714
CDD_Die1RxRevCtr_Cnt_G_u16[0]	4656
CDD_Die1RxRevCtr_Cnt_G_u16[1]	6592
CDD_Die2RxError_Cnt_G_u16[0]	4777
CDD_Die2RxError_Cnt_G_u16[1]	6779
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5382
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7714
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5140
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7340
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2841
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3787
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4777
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6779
CDD_ModIdxFinal_Uls_G_u16p16[0]	20506
CDD_ModIdxFinal_Uls_G_u16p16[1]	20512
CDD_MtrCurr1_Volts_G_f32[0]	0.0007644
CDD_MtrCurr1_Volts_G_f32[1]	2.00076437
CDD_MtrCurr2_Volts_G_f32[0]	0.0007644
CDD_MtrCurr2_Volts_G_f32[1]	1.00076437
CDD_MtrCurrDax_Amp_G_f32[0]	100.264999
CDD_MtrCurrDax_Amp_G_f32[1]	110.487999
CDD_MtrCurrK1_Amps_G_f32[0]	55.5800018
CDD_MtrCurrK1_Amps_G_f32[1]	76.9499969
CDD_MtrCurrK2_Amps_G_f32[0]	19.8799992
CDD_MtrCurrK2_Amps_G_f32[1]	19.5699997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-204.639999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-177.850006
CDD_MtrCurrQax_Amp_G_f32[0]	-120.220001
CDD_MtrCurrQax_Amp_G_f32[1]	104.269997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	142
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	158
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2357
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3039
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2599
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	3413
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5624
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8088
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5019
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7153
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5503
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7901
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2720
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3600
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	2621
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	3276
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	2621
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	3276
PXAccumPrev_Cnt_M_u32[0]	222
PXAccumPrev_Cnt_M_u32[1]	368
PXAccumPrev_Cnt_M_u32[2]	5239
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	0
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	756887
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4785545

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	0	0	✔
PXAccumPrev_Cnt_M_u32[1]	94610	94610	✔
PXAccumPrev_Cnt_M_u32[2]	598193	598193	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5503	5503	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0007644	0.0007644 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0007644	0.0007644 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.81006	5140.81006	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.119995117	-0.119995117 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4898	4898	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4656	4656	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4777	4777	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	142	142	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2357	2357	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	2599	2599	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	527	527	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	536870690	536870690	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	94242	94242	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	592954	592954	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	2841	2841	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4777	4777	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.312896729	0.312896729 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	100.264999	100.264999	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	19.8799992	19.8799992	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-204.639999	-204.639999	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-120.220001	-120.220001	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5019	5019	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2720	2720	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0399932861	0.0399932861 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	2621	2621	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5261.41016
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7527.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	2621
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	3277
CDD_CumMechMtrPos_Rev_G_s15p16[0]	19005
CDD_CumMechMtrPos_Rev_G_s15p16[1]	20316
CDD_Die1RxError_Cnt_G_u16[0]	5019
CDD_Die1RxError_Cnt_G_u16[1]	7153
CDD_Die1RxMtrPos_Cnt_G_u16[0]	4777
CDD_Die1RxMtrPos_Cnt_G_u16[1]	6779
CDD_Die1RxRevCtr_Cnt_G_u16[0]	4777
CDD_Die1RxRevCtr_Cnt_G_u16[1]	6779
CDD_Die2RxError_Cnt_G_u16[0]	4898
CDD_Die2RxError_Cnt_G_u16[1]	6966
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5503
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7901
CDD_Die2RxRevCtr_Cnt_G_u16[0]	4656
CDD_Die2RxRevCtr_Cnt_G_u16[1]	6592
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	190
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	192
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4898
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6966
CDD_ModIdxFinal_Uls_G_u16p16[0]	26981
CDD_ModIdxFinal_Uls_G_u16p16[1]	26987
CDD_MtrCurr1_Volts_G_f32[0]	1.00101924
CDD_MtrCurr1_Volts_G_f32[1]	2.00101924
CDD_MtrCurr2_Volts_G_f32[0]	1.00101924
CDD_MtrCurr2_Volts_G_f32[1]	2.00101924
CDD_MtrCurrDax_Amp_G_f32[0]	-134.268005
CDD_MtrCurrDax_Amp_G_f32[1]	-123.785004
CDD_MtrCurrK1_Amps_G_f32[0]	-97.4800034
CDD_MtrCurrK1_Amps_G_f32[1]	-70.6900024
CDD_MtrCurrK2_Amps_G_f32[0]	21.1000004
CDD_MtrCurrK2_Amps_G_f32[1]	20.3500004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-207.679993
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-130.020004
CDD_MtrCurrQax_Amp_G_f32[0]	-204.639999
CDD_MtrCurrQax_Amp_G_f32[1]	-177.850006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	150
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	159
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3226
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2720
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	3600
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5745
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8275
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5140
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7340
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5624
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8088
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2841
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3787
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	3932
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	3932
PXAccumPrev_Cnt_M_u32[0]	230
PXAccumPrev_Cnt_M_u32[1]	424
PXAccumPrev_Cnt_M_u32[2]	6464
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	536870911
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	965874
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	1258465

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[1]	120734	120734	✔
PXAccumPrev_Cnt_M_u32[2]	157308	157308	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00101924	2.00101924 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00101924	2.00101924 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7527.8501	7527.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0500030518	0.0500030518	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	3277	3277	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.309997559	0.309997559 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	6592	6592	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	159	159	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3226	3226	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3600	3600	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	775	775	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	67108633	67108633	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	120310	120310	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	150844	150844	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	192	192	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	6966	6966	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.41178894	0.411804199 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-123.785004	-123.785004	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	20.3500004	20.3500004	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-130.020004	-130.020004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-177.850006	-177.850006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0599975586	0.0599975586 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	3932	3932	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.41016
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	3932
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-31457
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-32112
CDD_Die1RxError_Cnt_G_u16[0]	5140
CDD_Die1RxError_Cnt_G_u16[1]	7340
CDD_Die1RxMtrPos_Cnt_G_u16[0]	4656
CDD_Die1RxMtrPos_Cnt_G_u16[1]	6592
CDD_Die1RxRevCtr_Cnt_G_u16[0]	4898
CDD_Die1RxRevCtr_Cnt_G_u16[1]	6966
CDD_Die2RxError_Cnt_G_u16[0]	5019
CDD_Die2RxError_Cnt_G_u16[1]	7153
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5624
CDD_Die2RxMtrPos_Cnt_G_u16[1]	8088
CDD_Die2RxRevCtr_Cnt_G_u16[0]	4777
CDD_Die2RxRevCtr_Cnt_G_u16[1]	6779
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3974
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5019
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7153
CDD_ModIdxFinal_Uls_G_u16p16[0]	34321
CDD_ModIdxFinal_Uls_G_u16p16[1]	34327
CDD_MtrCurr1_Volts_G_f32[0]	2.00127411
CDD_MtrCurr1_Volts_G_f32[1]	1.00127399
CDD_MtrCurr2_Volts_G_f32[0]	1.00127399
CDD_MtrCurr2_Volts_G_f32[1]	2.00127411
CDD_MtrCurrDax_Amp_G_f32[0]	147.304993
CDD_MtrCurrDax_Amp_G_f32[1]	158.048004
CDD_MtrCurrK1_Amps_G_f32[0]	-25.5799999
CDD_MtrCurrK1_Amps_G_f32[1]	-20.4699993
CDD_MtrCurrK2_Amps_G_f32[0]	22.3199997
CDD_MtrCurrK2_Amps_G_f32[1]	21.1299992
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	131.320007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	208.639999
CDD_MtrCurrQax_Amp_G_f32[0]	-207.679993
CDD_MtrCurrQax_Amp_G_f32[1]	-130.020004
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	158
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	160
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	2599
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	3413
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	2841
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	3787
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5628
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8097
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5261
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7527
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5624
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8088
CDD_SysCVSwitchADC_Cnt_G_u16[0]	190
CDD_SysCVSwitchADC_Cnt_G_u16[1]	192
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	3932
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	4588
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	3932
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	4588
PXAccumPrev_Cnt_M_u32[0]	238
PXAccumPrev_Cnt_M_u32[1]	480
PXAccumPrev_Cnt_M_u32[2]	7689
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	5248637
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	358476
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	1485762

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	656079	656079	✔
PXAccumPrev_Cnt_M_u32[1]	44809	44809	✔
PXAccumPrev_Cnt_M_u32[2]	185720	185720	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00127399	1.00127399 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00127411	2.00127411 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.52002	7714.52002	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0599975586	0.0599975586	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	3932	3932	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.489990234	-0.490005493 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	6592	6592	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	160	160	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3413	3413	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3787	3787	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	759	759	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	655841	655841	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	44329	44329	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	178031	178031	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3974	3974	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7153	7153	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.523788452	0.523803711 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	158.048004	158.048004	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-20.4699993	-20.4699993	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	21.1299992	21.1299992	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	208.639999	208.639999	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-130.020004	-130.020004	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0700073242	0.0700073242 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	4588	4588	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.1499
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	3932
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	4587
CDD_CumMechMtrPos_Rev_G_s15p16[0]	85
CDD_CumMechMtrPos_Rev_G_s15p16[1]	91
CDD_Die1RxError_Cnt_G_u16[0]	5261
CDD_Die1RxError_Cnt_G_u16[1]	7527
CDD_Die1RxMtrPos_Cnt_G_u16[0]	4777
CDD_Die1RxMtrPos_Cnt_G_u16[1]	6779
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5019
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7153
CDD_Die2RxError_Cnt_G_u16[0]	5140
CDD_Die2RxError_Cnt_G_u16[1]	7340
CDD_Die2RxMtrPos_Cnt_G_u16[0]	4656
CDD_Die2RxMtrPos_Cnt_G_u16[1]	6592
CDD_Die2RxRevCtr_Cnt_G_u16[0]	4898
CDD_Die2RxRevCtr_Cnt_G_u16[1]	6966
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4161
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5140
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7340
CDD_ModIdxFinal_Uls_G_u16p16[0]	10859
CDD_ModIdxFinal_Uls_G_u16p16[1]	10865
CDD_MtrCurr1_Volts_G_f32[0]	4.00637007
CDD_MtrCurr1_Volts_G_f32[1]	1.00636995
CDD_MtrCurr2_Volts_G_f32[0]	4.00637007
CDD_MtrCurr2_Volts_G_f32[1]	2.00637007
CDD_MtrCurrDax_Amp_G_f32[0]	-181.828003
CDD_MtrCurrDax_Amp_G_f32[1]	-170.824997
CDD_MtrCurrK1_Amps_G_f32[0]	46.4199982
CDD_MtrCurrK1_Amps_G_f32[1]	56.9500008
CDD_MtrCurrK2_Amps_G_f32[0]	-21.9099998
CDD_MtrCurrK2_Amps_G_f32[1]	-23.5400009
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	132.619995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	209.600006
CDD_MtrCurrQax_Amp_G_f32[0]	131.320007
CDD_MtrCurrQax_Amp_G_f32[1]	208.639999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	166
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	168
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2720
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3600
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	192
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5987
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8649
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5382
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7714
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5745
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8275
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2962
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3974
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	4588
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	5242
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	4588
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	5242
PXAccumPrev_Cnt_M_u32[0]	2962
PXAccumPrev_Cnt_M_u32[1]	3974
PXAccumPrev_Cnt_M_u32[2]	8914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	185687
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	0
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	965874

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	23210	23210	✓
PXAccumPrev_Cnt_M_u32[1]	0	0	✓
PXAccumPrev_Cnt_M_u32[2]	120734	120734	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5745	5745	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.00637007	4.00637007 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.00637007	4.00637007 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5503.1499	5503.1499	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0599975586	0.0599975586	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	3932	3932	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00129699707	0.00129699707 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5261	5261	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4777	4777	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5019	5019	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5140	5140	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4656	4656	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4898	4898	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	166	166	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2720	2720	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	190	190	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	561	561	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	20248	20248	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	536866938	536866938	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	111820	111820	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3083	3083	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5140	5140	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16569519	0.16569519 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-181.828003	-181.828003	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	46.4199982	46.4199982	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-21.9099998	-21.9099998	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	132.619995	132.619995	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	131.320007	131.320007	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5382	5382	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2962	2962	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0700073242	0.0700073242 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	4588	4588	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.77979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	4587
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	5243
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-98
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-104
CDD_Die1RxError_Cnt_G_u16[0]	5382
CDD_Die1RxError_Cnt_G_u16[1]	7714
CDD_Die1RxMtrPos_Cnt_G_u16[0]	4898
CDD_Die1RxMtrPos_Cnt_G_u16[1]	6966
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5140
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7340
CDD_Die2RxError_Cnt_G_u16[0]	5261
CDD_Die2RxError_Cnt_G_u16[1]	7527
CDD_Die2RxMtrPos_Cnt_G_u16[0]	4777
CDD_Die2RxMtrPos_Cnt_G_u16[1]	6779
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5019
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7153
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4348
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5261
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7527
CDD_ModIdxFinal_Uls_G_u16p16[0]	15204
CDD_ModIdxFinal_Uls_G_u16p16[1]	15210
CDD_MtrCurr1_Volts_G_f32[0]	0.00178359996
CDD_MtrCurr1_Volts_G_f32[1]	2.00178361
CDD_MtrCurr2_Volts_G_f32[0]	0.00178359996
CDD_MtrCurr2_Volts_G_f32[1]	1.00178361
CDD_MtrCurrDax_Amp_G_f32[0]	194.345001
CDD_MtrCurrDax_Amp_G_f32[1]	205.608002
CDD_MtrCurrK1_Amps_G_f32[0]	72.3700027
CDD_MtrCurrK1_Amps_G_f32[1]	88.3199997
CDD_MtrCurrK2_Amps_G_f32[0]	-22.6900005
CDD_MtrCurrK2_Amps_G_f32[1]	-24.7600002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	133.919998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	210.559998
CDD_MtrCurrQax_Amp_G_f32[0]	132.619995
CDD_MtrCurrQax_Amp_G_f32[1]	209.600006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	174
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	176
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2841
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3787
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2962
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	3974
CDD_PhaseAdvFinal_Cnt_G_u16[0]	6108
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8836
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	4656
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	6592
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5628
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8097
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3083
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4161
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	5898
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	5898
PXAccumPrev_Cnt_M_u32[0]	3083
PXAccumPrev_Cnt_M_u32[1]	4161
PXAccumPrev_Cnt_M_u32[2]	10139
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	256987
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	536870911
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	358476

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	32123	32123	✔
PXAccumPrev_Cnt_M_u32[1]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[2]	44809	44809	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8097	8097	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00178361	2.00178361 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00178361	1.00178361 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.8501	8088.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0800018311	0.0800018311	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	5243	5243	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.00158691406	-0.00160217285 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	176	176	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3787	3787	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3974	3974	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	828	828	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	29040	29040	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	67104702	67104702	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	34670	34670	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7527	7527	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232086182	0.23210144 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	205.608002	205.608002	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	88.3199997	88.3199997	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-24.7600002	-24.7600002	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	210.559998	210.559998	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	209.600006	209.600006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	6592	6592	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.0899963379	0.0899963379 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	5898	5898	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4656.77979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6592.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	5898
CDD_CumMechMtrPos_Rev_G_s15p16[0]	308
CDD_CumMechMtrPos_Rev_G_s15p16[1]	314
CDD_Die1RxError_Cnt_G_u16[0]	5503
CDD_Die1RxError_Cnt_G_u16[1]	7901
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5019
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7153
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5261
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7527
CDD_Die2RxError_Cnt_G_u16[0]	5382
CDD_Die2RxError_Cnt_G_u16[1]	7714
CDD_Die2RxMtrPos_Cnt_G_u16[0]	4898
CDD_Die2RxMtrPos_Cnt_G_u16[1]	6966
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5140
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7340
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3325
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4535
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5382
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7714
CDD_ModIdxFinal_Uls_G_u16p16[0]	12170
CDD_ModIdxFinal_Uls_G_u16p16[1]	12838
CDD_MtrCurr1_Volts_G_f32[0]	1.00203836
CDD_MtrCurr1_Volts_G_f32[1]	2.00203848
CDD_MtrCurr2_Volts_G_f32[0]	1.00203836
CDD_MtrCurr2_Volts_G_f32[1]	2.00203848
CDD_MtrCurrDax_Amp_G_f32[0]	120.710999
CDD_MtrCurrDax_Amp_G_f32[1]	130.934006
CDD_MtrCurrK1_Amps_G_f32[0]	-35.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	30.6900005
CDD_MtrCurrK2_Amps_G_f32[0]	25.9799995
CDD_MtrCurrK2_Amps_G_f32[1]	23.4699993
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	135.220001
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	211.520004
CDD_MtrCurrQax_Amp_G_f32[0]	133.919998
CDD_MtrCurrQax_Amp_G_f32[1]	210.559998
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	182
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	184
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	192
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3083
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4161
CDD_PhaseAdvFinal_Cnt_G_u16[0]	6229
CDD_PhaseAdvFinal_Cnt_G_u16[1]	9023
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	4777
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	6779
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2599
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3413
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3204
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4348
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	5898
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	6554
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	5898
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	6554
PXAccumPrev_Cnt_M_u32[0]	3204
PXAccumPrev_Cnt_M_u32[1]	4348
PXAccumPrev_Cnt_M_u32[2]	11364
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	247863
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	5248635
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	258746

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	30982	30982	✔
PXAccumPrev_Cnt_M_u32[1]	656079	656079	✔
PXAccumPrev_Cnt_M_u32[2]	32343	32343	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00203848	2.00203848 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00203848	2.00203848 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6592.50977	6592.50977	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0899963379	0.0899963379	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	5898	5898	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00479125977	0.00480651855 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	184	184	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	192	192	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4161	4161	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	845	845	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	27778	27778	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	651731	651731	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	20979	20979	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4535	4535	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7714	7714	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.195892334	0.195907593 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	130.934006	130.934006	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	30.6900005	30.6900005	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	23.4699993	23.4699993	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	211.520004	211.520004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	210.559998	210.559998	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.100006104	0.100006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	6554	6554	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4777.8501
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6779.58008
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	5898
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	6553
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-321
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-327
CDD_Die1RxError_Cnt_G_u16[0]	5624
CDD_Die1RxError_Cnt_G_u16[1]	8088
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5140
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7340
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5382
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7714
CDD_Die2RxError_Cnt_G_u16[0]	5503
CDD_Die2RxError_Cnt_G_u16[1]	7901
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5019
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7153
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5261
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7527
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3446
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4722
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5503
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7901
CDD_ModIdxFinal_Uls_G_u16p16[0]	47972
CDD_ModIdxFinal_Uls_G_u16p16[1]	54539
CDD_MtrCurr1_Volts_G_f32[0]	2.00229311
CDD_MtrCurr1_Volts_G_f32[1]	1.00229323
CDD_MtrCurr2_Volts_G_f32[0]	2.00229311
CDD_MtrCurr2_Volts_G_f32[1]	1.00229323
CDD_MtrCurrDax_Amp_G_f32[0]	144.751007
CDD_MtrCurrDax_Amp_G_f32[1]	155.233994
CDD_MtrCurrK1_Amps_G_f32[0]	-78.0100021
CDD_MtrCurrK1_Amps_G_f32[1]	67.4800034
CDD_MtrCurrK2_Amps_G_f32[0]	27.2000008
CDD_MtrCurrK2_Amps_G_f32[1]	24.25
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	136.520004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	212.479996
CDD_MtrCurrQax_Amp_G_f32[0]	135.220001
CDD_MtrCurrQax_Amp_G_f32[1]	211.520004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	192
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	100
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	150
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4348
CDD_PhaseAdvFinal_Cnt_G_u16[0]	6350
CDD_PhaseAdvFinal_Cnt_G_u16[1]	9210
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	4898
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	6966
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2720
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3600
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3325
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	6554
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	7208
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	6554
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	7208
PXAccumPrev_Cnt_M_u32[0]	3325
PXAccumPrev_Cnt_M_u32[1]	4535
PXAccumPrev_Cnt_M_u32[2]	12589
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	685746
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	147856
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	0

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	85718	85718	✔
PXAccumPrev_Cnt_M_u32[1]	18482	18482	✔
PXAccumPrev_Cnt_M_u32[2]	0	0	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	2720	2720	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00229311	2.00229311 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00229311	2.00229311 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4777.8501	4777.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.0899963379	0.0899963379	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	5898	5898	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.00489807129	-0.00489807129 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5624	5624	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5503	5503	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5019	5019	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5261	5261	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	190	190	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	100	100	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3204	3204	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	595	595	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	82393	82393	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	13947	13947	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536858323	536858323	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3446	3446	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5503	5503	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.731994629	0.731994629 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	144.751007	144.751007	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-78.0100021	-78.0100021	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	27.2000008	27.2000008	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	136.520004	136.520004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	135.220001	135.220001	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4898	4898	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.100006104	0.100006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	6554	6554	✔



# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4898.12012
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6966.58008
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	6553
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	7209
CDD_CumMechMtrPos_Rev_G_s15p16[0]	334
CDD_CumMechMtrPos_Rev_G_s15p16[1]	340
CDD_Die1RxError_Cnt_G_u16[0]	5745
CDD_Die1RxError_Cnt_G_u16[1]	8275
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5261
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7527
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5503
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7901
CDD_Die2RxError_Cnt_G_u16[0]	5624
CDD_Die2RxError_Cnt_G_u16[1]	8088
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5140
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7340
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5382
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7714
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3567
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4909
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5624
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8088
CDD_ModIdxFinal_Uls_G_u16p16[0]	59768
CDD_ModIdxFinal_Uls_G_u16p16[1]	61099
CDD_MtrCurr1_Volts_G_f32[0]	2.00254798
CDD_MtrCurr1_Volts_G_f32[1]	1.00254798
CDD_MtrCurr2_Volts_G_f32[0]	1.00254798
CDD_MtrCurr2_Volts_G_f32[1]	2.00254798
CDD_MtrCurrDax_Amp_G_f32[0]	-168.791
CDD_MtrCurrDax_Amp_G_f32[1]	-159.533997
CDD_MtrCurrK1_Amps_G_f32[0]	10.2299995
CDD_MtrCurrK1_Amps_G_f32[1]	20.5599995
CDD_MtrCurrK2_Amps_G_f32[0]	28.4200001
CDD_MtrCurrK2_Amps_G_f32[1]	25.0300007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	137.820007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	213.440002
CDD_MtrCurrQax_Amp_G_f32[0]	136.520004
CDD_MtrCurrQax_Amp_G_f32[1]	212.479996
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	198
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	200
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	126
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	156
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4535
CDD_PhaseAdvFinal_Cnt_G_u16[0]	214
CDD_PhaseAdvFinal_Cnt_G_u16[1]	312
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5019
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7153
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2720
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3600
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3446
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4722
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	7864
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	7864
PXAccumPrev_Cnt_M_u32[0]	3446
PXAccumPrev_Cnt_M_u32[1]	4722
PXAccumPrev_Cnt_M_u32[2]	13814
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	756887
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	1258465
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	536870911

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	94610	94610	✔
PXAccumPrev_Cnt_M_u32[1]	157308	157308	✔
PXAccumPrev_Cnt_M_u32[2]	67108863	67108863	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3600	3600	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00254798	1.00254798 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00254798	2.00254798 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6966.58008	6966.58008	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.11000061	0.11000061	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	7209	7209	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00518798828	0.00520324707 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	200	200	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	156	156	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4535	4535	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	29	29	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	91164	91164	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	152586	152586	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	67095049	67095049	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4909	4909	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	8088	8088	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.932296753	0.932296753 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-159.533997	-159.533997	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	20.5599995	20.5599995	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	25.0300007	25.0300007	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	213.440002	213.440002	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	212.479996	212.479996	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.119995117	0.119995117 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	7864	7864	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5019.12012
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7153.83984
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	7864
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-347
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-353
CDD_Die1RxError_Cnt_G_u16[0]	5628
CDD_Die1RxError_Cnt_G_u16[1]	8097
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5382
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7714
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5624
CDD_Die1RxRevCtr_Cnt_G_u16[1]	8088
CDD_Die2RxError_Cnt_G_u16[0]	5745
CDD_Die2RxError_Cnt_G_u16[1]	8275
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5261
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7527
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5503
CDD_Die2RxRevCtr_Cnt_G_u16[1]	7901
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3688
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5096
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5745
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8275
CDD_ModIdxFinal_Uls_G_u16p16[0]	34321
CDD_ModIdxFinal_Uls_G_u16p16[1]	34327
CDD_MtrCurr1_Volts_G_f32[0]	0.00280279992
CDD_MtrCurr1_Volts_G_f32[1]	4.00280285
CDD_MtrCurr2_Volts_G_f32[0]	0.00280279992
CDD_MtrCurr2_Volts_G_f32[1]	4.00280285
CDD_MtrCurrDax_Amp_G_f32[0]	192.830994
CDD_MtrCurrDax_Amp_G_f32[1]	203.834
CDD_MtrCurrK1_Amps_G_f32[0]	15.7799997
CDD_MtrCurrK1_Amps_G_f32[1]	25.2299995
CDD_MtrCurrK2_Amps_G_f32[0]	75.8399963
CDD_MtrCurrK2_Amps_G_f32[1]	98.7699966
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	139.119995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	214.399994
CDD_MtrCurrQax_Amp_G_f32[0]	137.820007
CDD_MtrCurrQax_Amp_G_f32[1]	213.440002
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	206
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	256
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	134
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	157
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3446
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4722
CDD_PhaseAdvFinal_Cnt_G_u16[0]	222
CDD_PhaseAdvFinal_Cnt_G_u16[1]	368
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5140
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7340
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2841
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3787
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3567
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4909
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	7864
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	8520
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	7864
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	8520
PXAccumPrev_Cnt_M_u32[0]	3567
PXAccumPrev_Cnt_M_u32[1]	4909
PXAccumPrev_Cnt_M_u32[2]	15039
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	965874
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	1485762
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4785368

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	120734	120734	✓
PXAccumPrev_Cnt_M_u32[1]	185720	185720	✓
PXAccumPrev_Cnt_M_u32[2]	598171	598171	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3787	3787	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.00280285	4.00280285 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.00280285	4.00280285 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7153.83984	7153.83984	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.119995117	0.119995117	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	7864	7864	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.00538635254	-0.00540161133 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	8097	8097	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	7714	7714	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	8088	8088	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	8275	8275	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	7527	7527	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	7901	7901	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	256	256	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	157	157	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4722	4722	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	34	34	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	117167	117167	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	180811	180811	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	583132	583132	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5096	5096	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	8275	8275	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.523788452	0.523803711 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	203.834	203.834	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	25.2299995	25.2299995	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	98.7699966	98.7699966	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	214.399994	214.399994	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	213.440002	213.440002	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7340	7340	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4909	4909	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.130004883	0.130004883 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	8520	8520	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.75
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	7864
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	8519
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	367
CDD_Die1RxError_Cnt_G_u16[0]	2599
CDD_Die1RxError_Cnt_G_u16[1]	3413
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5503
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7901
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5745
CDD_Die1RxRevCtr_Cnt_G_u16[1]	8275
CDD_Die2RxError_Cnt_G_u16[0]	5628
CDD_Die2RxError_Cnt_G_u16[1]	8097
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5382
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7714
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5624
CDD_Die2RxRevCtr_Cnt_G_u16[1]	8088
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3809
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5283
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5628
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8097
CDD_ModIdxFinal_Uls_G_u16p16[0]	10859
CDD_ModIdxFinal_Uls_G_u16p16[1]	10865
CDD_MtrCurr1_Volts_G_f32[0]	1.0030576
CDD_MtrCurr1_Volts_G_f32[1]	2.00305772
CDD_MtrCurr2_Volts_G_f32[0]	1.0030576
CDD_MtrCurr2_Volts_G_f32[1]	2.00305772
CDD_MtrCurrDax_Amp_G_f32[0]	141.156998
CDD_MtrCurrDax_Amp_G_f32[1]	151.380005
CDD_MtrCurrK1_Amps_G_f32[0]	66.1999969
CDD_MtrCurrK1_Amps_G_f32[1]	88.0999985
CDD_MtrCurrK2_Amps_G_f32[0]	-63.7799988
CDD_MtrCurrK2_Amps_G_f32[1]	-56.2299995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	140.419998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	215.360001
CDD_MtrCurrQax_Amp_G_f32[0]	-220
CDD_MtrCurrQax_Amp_G_f32[1]	-220
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3809
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	5283
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	142
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	158
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3567
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4909
CDD_PhaseAdvFinal_Cnt_G_u16[0]	230
CDD_PhaseAdvFinal_Cnt_G_u16[1]	424
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5261
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7527
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3083
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4161
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3688
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5096
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	9175
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	9175
PXAccumPrev_Cnt_M_u32[0]	3688
PXAccumPrev_Cnt_M_u32[1]	5096
PXAccumPrev_Cnt_M_u32[2]	16264
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	358476
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4778522
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	247863

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	44809	44809	✔
PXAccumPrev_Cnt_M_u32[1]	597315	597315	✔
PXAccumPrev_Cnt_M_u32[2]	30982	30982	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.0030576	1.0030576 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.0030576	1.0030576 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.75	5140.75	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.119995117	0.119995117	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	7864	7864	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	2599	2599	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5503	5503	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5745	5745	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5628	5628	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5624	5624	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3809	3809	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	142	142	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3567	3567	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	21	21	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	41121	41121	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	592219	592219	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	14718	14718	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3809	3809	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5628	5628	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16569519	0.16569519 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	141.156998	141.156998	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	66.1999969	66.1999969	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-63.7799988	-63.7799988	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	140.419998	140.419998	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-220	-220	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5261	5261	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.15 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5261.18018
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7527.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	9175
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-19660
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-26214
CDD_Die1RxError_Cnt_G_u16[0]	2720
CDD_Die1RxError_Cnt_G_u16[1]	3600
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5624
CDD_Die1RxMtrPos_Cnt_G_u16[1]	8088
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5628
CDD_Die1RxRevCtr_Cnt_G_u16[1]	8097
CDD_Die2RxError_Cnt_G_u16[0]	2599
CDD_Die2RxError_Cnt_G_u16[1]	3413
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5503
CDD_Die2RxMtrPos_Cnt_G_u16[1]	7901
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5745
CDD_Die2RxRevCtr_Cnt_G_u16[1]	8275
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3930
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5470
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2599
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3413
CDD_ModIdxFinal_Uls_G_u16p16[0]	15204
CDD_ModIdxFinal_Uls_G_u16p16[1]	15210
CDD_MtrCurr1_Volts_G_f32[0]	0.00178359996
CDD_MtrCurr1_Volts_G_f32[1]	2.00178361
CDD_MtrCurr2_Volts_G_f32[0]	0.00178359996
CDD_MtrCurr2_Volts_G_f32[1]	1.00178361
CDD_MtrCurrDax_Amp_G_f32[0]	-176.199997
CDD_MtrCurrDax_Amp_G_f32[1]	-165.716995
CDD_MtrCurrK1_Amps_G_f32[0]	-32
CDD_MtrCurrK1_Amps_G_f32[1]	-28
CDD_MtrCurrK2_Amps_G_f32[0]	12.5600004
CDD_MtrCurrK2_Amps_G_f32[1]	14.8900003
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-216.320007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-141.720001
CDD_MtrCurrQax_Amp_G_f32[0]	220
CDD_MtrCurrQax_Amp_G_f32[1]	220
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3930
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	5470
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	4051
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5657
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3688
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5096
CDD_PhaseAdvFinal_Cnt_G_u16[0]	238
CDD_PhaseAdvFinal_Cnt_G_u16[1]	480
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5382
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7714
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3204
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4348
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3809
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5283
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	9830
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	9830
PXAccumPrev_Cnt_M_u32[0]	3809
PXAccumPrev_Cnt_M_u32[1]	5283
PXAccumPrev_Cnt_M_u32[2]	17489
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	258746
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4785232
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	685746

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	32343	32343	✔
PXAccumPrev_Cnt_M_u32[1]	598154	598154	✔
PXAccumPrev_Cnt_M_u32[2]	85718	85718	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00178361	2.00178361 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00178361	1.00178361 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7527.8501	7527.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.13999939	0.13999939	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	9175	9175	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.399993896	-0.399993896 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3600	3600	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	8097	8097	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	5470	5470	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	5657	5657	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5096	5096	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	45	45	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	28534	28534	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	592871	592871	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	68229	68229	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5470	5470	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3413	3413	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232086182	0.23210144 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-165.716995	-165.716995	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-28	-28	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	14.8900003	14.8900003	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-141.720001	-141.720001	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.149993896	0.149993896 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	9830	9830	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.95996
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	9830
CDD_CumMechMtrPos_Rev_G_s15p16[0]	20971
CDD_CumMechMtrPos_Rev_G_s15p16[1]	26869
CDD_Die1RxError_Cnt_G_u16[0]	2841
CDD_Die1RxError_Cnt_G_u16[1]	3787
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5745
CDD_Die1RxMtrPos_Cnt_G_u16[1]	8275
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2599
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3413
CDD_Die2RxError_Cnt_G_u16[0]	2720
CDD_Die2RxError_Cnt_G_u16[1]	3600
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5624
CDD_Die2RxMtrPos_Cnt_G_u16[1]	8088
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5628
CDD_Die2RxRevCtr_Cnt_G_u16[1]	8097
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3889
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5287
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2720
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3600
CDD_ModIdxFinal_Uls_G_u16p16[0]	24163
CDD_ModIdxFinal_Uls_G_u16p16[1]	24169
CDD_MtrCurr1_Volts_G_f32[0]	2.00356722
CDD_MtrCurr1_Volts_G_f32[1]	1.00356722
CDD_MtrCurr2_Volts_G_f32[0]	1.00356722
CDD_MtrCurr2_Volts_G_f32[1]	2.00356722
CDD_MtrCurrDax_Amp_G_f32[0]	-201.020004
CDD_MtrCurrDax_Amp_G_f32[1]	-190.276993
CDD_MtrCurrK1_Amps_G_f32[0]	6.26999998
CDD_MtrCurrK1_Amps_G_f32[1]	11.2799997
CDD_MtrCurrK2_Amps_G_f32[0]	29.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	25.8099995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-217.279999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-143.020004
CDD_MtrCurrQax_Amp_G_f32[0]	0
CDD_MtrCurrQax_Amp_G_f32[1]	0
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4051
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	5657
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	4172
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5844
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3809
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5283
CDD_PhaseAdvFinal_Cnt_G_u16[0]	246
CDD_PhaseAdvFinal_Cnt_G_u16[1]	536
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5503
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7901
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3325
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3930
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5470
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	9830
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	10486
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	9830
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	10486
PXAccumPrev_Cnt_M_u32[0]	3930
PXAccumPrev_Cnt_M_u32[1]	5470
PXAccumPrev_Cnt_M_u32[2]	18714
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	147856
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4785545
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	756887

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18482	18482	✔
PXAccumPrev_Cnt_M_u32[1]	598193	598193	✔
PXAccumPrev_Cnt_M_u32[2]	94610	94610	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00356722	1.00356722 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00356722	2.00356722 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.95996	7714.95996	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.149993896	0.149993896	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	9830	9830	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.409988403	0.410003662 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3600	3600	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	8097	8097	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	5657	5657	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	5844	5844	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5283	5283	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	50	50	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14552	14552	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	592723	592723	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	75896	75896	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5287	5287	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3600	3600	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.368789673	0.368804932 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-190.276993	-190.276993	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	11.2799997	11.2799997	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	25.8099995	25.8099995	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-143.020004	-143.020004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	0	0	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.160003662	0.160003662 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	10486	10486	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.95996
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	9830
CDD_CumMechMtrPos_Rev_G_s15p16[0]	20971
CDD_CumMechMtrPos_Rev_G_s15p16[1]	26869
CDD_Die1RxError_Cnt_G_u16[0]	2841
CDD_Die1RxError_Cnt_G_u16[1]	3787
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5745
CDD_Die1RxMtrPos_Cnt_G_u16[1]	8275
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2599
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3413
CDD_Die2RxError_Cnt_G_u16[0]	2720
CDD_Die2RxError_Cnt_G_u16[1]	3600
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5624
CDD_Die2RxMtrPos_Cnt_G_u16[1]	8088
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5628
CDD_Die2RxRevCtr_Cnt_G_u16[1]	8097
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3889
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5287
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2720
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3600
CDD_ModIdxFinal_Uls_G_u16p16[0]	24163
CDD_ModIdxFinal_Uls_G_u16p16[1]	24169
CDD_MtrCurr1_Volts_G_f32[0]	2.00356722
CDD_MtrCurr1_Volts_G_f32[1]	1.00356722
CDD_MtrCurr2_Volts_G_f32[0]	1.00356722
CDD_MtrCurr2_Volts_G_f32[1]	2.00356722
CDD_MtrCurrDax_Amp_G_f32[0]	-201.020004
CDD_MtrCurrDax_Amp_G_f32[1]	-190.276993
CDD_MtrCurrK1_Amps_G_f32[0]	6.26999998
CDD_MtrCurrK1_Amps_G_f32[1]	11.2799997
CDD_MtrCurrK2_Amps_G_f32[0]	29.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	25.8099995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-217.279999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-143.020004
CDD_MtrCurrQax_Amp_G_f32[0]	140.000259
CDD_MtrCurrQax_Amp_G_f32[1]	141.000259
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4051
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	5657
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	4172
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5844
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3809
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5283
CDD_PhaseAdvFinal_Cnt_G_u16[0]	246
CDD_PhaseAdvFinal_Cnt_G_u16[1]	536
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5503
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	7901
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3446
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4722
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3930
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5470
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	9830
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	10486
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	9830
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	10486
PXAccumPrev_Cnt_M_u32[0]	3930
PXAccumPrev_Cnt_M_u32[1]	5470
PXAccumPrev_Cnt_M_u32[2]	18714
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	147856
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4785545
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	756887

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18482	18482	✓
PXAccumPrev_Cnt_M_u32[1]	598193	598193	✓
PXAccumPrev_Cnt_M_u32[2]	94610	94610	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4722	4722	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00356722	1.00356722 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00356722	2.00356722 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.95996	7714.95996	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.149993896	0.149993896	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	9830	9830	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.409988403	0.410003662 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3787	3787	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	8275	8275	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3413	3413	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3600	3600	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	8088	8088	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	8097	8097	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	5657	5657	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	5844	5844	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5283	5283	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	50	50	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14552	14552	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	592723	592723	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	75896	75896	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5287	5287	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3600	3600	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.368789673	0.368804932 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-190.276993	-190.276993	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	11.2799997	11.2799997	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	25.8099995	25.8099995	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-143.020004	-143.020004	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	141.000259	141.000259	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	7901	7901	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.160003662	0.160003662 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	10486	10486	✓

# TEST DETAILS REPORT

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CDDInterface\_Per1

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.77979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	9830
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	10485
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-7864
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-18350
CDD_Die1RxError_Cnt_G_u16[0]	190
CDD_Die1RxError_Cnt_G_u16[1]	192
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5628
CDD_Die1RxMtrPos_Cnt_G_u16[1]	8097
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2720
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3600
CDD_Die2RxError_Cnt_G_u16[0]	2841
CDD_Die2RxError_Cnt_G_u16[1]	3787
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5745
CDD_Die2RxMtrPos_Cnt_G_u16[1]	8275
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2599
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3413
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4530
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5471
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2841
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3787
CDD_ModIdxFinal_Uls_G_u16p16[0]	32112
CDD_ModIdxFinal_Uls_G_u16p16[1]	32119
CDD_MtrCurr1_Volts_G_f32[0]	0.003822
CDD_MtrCurr1_Volts_G_f32[1]	2.00382209
CDD_MtrCurr2_Volts_G_f32[0]	0.003822
CDD_MtrCurr2_Volts_G_f32[1]	1.00382197
CDD_MtrCurrDax_Amp_G_f32[0]	214.837006
CDD_MtrCurrDax_Amp_G_f32[1]	215.839996
CDD_MtrCurrK1_Amps_G_f32[0]	34
CDD_MtrCurrK1_Amps_G_f32[1]	54
CDD_MtrCurrK2_Amps_G_f32[0]	30.8600006
CDD_MtrCurrK2_Amps_G_f32[1]	26.5900002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-218.240005
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-144.320007
CDD_MtrCurrQax_Amp_G_f32[0]	-217.279999
CDD_MtrCurrQax_Amp_G_f32[1]	-143.020004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3083
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	4161
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3930
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5470
CDD_PhaseAdvFinal_Cnt_G_u16[0]	254
CDD_PhaseAdvFinal_Cnt_G_u16[1]	592
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5624
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	8088
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3567
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4909
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3889
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5287
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	11141
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	11141
PXAccumPrev_Cnt_M_u32[0]	100
PXAccumPrev_Cnt_M_u32[1]	150
PXAccumPrev_Cnt_M_u32[2]	19939
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145872
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	147856
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	245893

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18234	18234	✓
PXAccumPrev_Cnt_M_u32[1]	18482	18482	✓
PXAccumPrev_Cnt_M_u32[2]	30736	30736	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3567	3567	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.003822	0.003822 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.003822	0.003822 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5503.16992	5503.16992	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.149993896	0.149993896	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	9830	9830	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.119995117	-0.119995117 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	190	190	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5628	5628	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	2720	2720	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	2841	2841	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5745	5745	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	2599	2599	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3083	3083	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1873	1873	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3930	3930	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	23	23	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18134	18134	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18332	18332	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	10797	10797	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4530	4530	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	2841	2841	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.489990234	0.490005493 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	214.837006	214.837006	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	34	34	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	30.8600006	30.8600006	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-218.240005	-218.240005	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-217.279999	-217.279999	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5624	5624	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3889	3889	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	11141
CDD_CumMechMtrPos_Rev_G_s15p16[0]	19005
CDD_CumMechMtrPos_Rev_G_s15p16[1]	20316
CDD_Die1RxError_Cnt_G_u16[0]	2962
CDD_Die1RxError_Cnt_G_u16[1]	3974
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2599
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3413
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2841
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3787
CDD_Die2RxError_Cnt_G_u16[0]	190
CDD_Die2RxError_Cnt_G_u16[1]	192
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5628
CDD_Die2RxMtrPos_Cnt_G_u16[1]	8097
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2720
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3600
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	238
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	480
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	190
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	192
CDD_ModIdxFinal_Uls_G_u16p16[0]	43234
CDD_ModIdxFinal_Uls_G_u16p16[1]	43240
CDD_MtrCurr1_Volts_G_f32[0]	4.00407696
CDD_MtrCurr1_Volts_G_f32[1]	2.00407672
CDD_MtrCurr2_Volts_G_f32[0]	4.00407696
CDD_MtrCurr2_Volts_G_f32[1]	2.00407672
CDD_MtrCurrDax_Amp_G_f32[0]	-220
CDD_MtrCurrDax_Amp_G_f32[1]	-220
CDD_MtrCurrK1_Amps_G_f32[0]	59.2700005
CDD_MtrCurrK1_Amps_G_f32[1]	67.8899994
CDD_MtrCurrK2_Amps_G_f32[0]	-27.3700008
CDD_MtrCurrK2_Amps_G_f32[1]	-32.0800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	145.619995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	219.199997
CDD_MtrCurrQax_Amp_G_f32[0]	-218.240005
CDD_MtrCurrQax_Amp_G_f32[1]	-144.320007
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3889
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5287
CDD_PhaseAdvFinal_Cnt_G_u16[0]	262
CDD_PhaseAdvFinal_Cnt_G_u16[1]	648
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5745
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	8275
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3688
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5096
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4530
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5471
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	11796
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	11796
PXAccumPrev_Cnt_M_u32[0]	126
PXAccumPrev_Cnt_M_u32[1]	156
PXAccumPrev_Cnt_M_u32[2]	21164
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145879
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	245893
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145900

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18234	18234	✔
PXAccumPrev_Cnt_M_u32[1]	30736	30736	✔
PXAccumPrev_Cnt_M_u32[2]	18237	18237	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00407672	2.00407672 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00407672	2.00407672 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.27979	8088.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.169998169	0.169998169	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	11141	11141	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.309997559	0.309997559 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	8097	8097	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3600	3600	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2478	2478	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5287	5287	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	60	60	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18108	18108	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	30580	30580	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536867985	536867985	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	480	480	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	192	192	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659790039	0.659805298 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-220	-220	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	67.8899994	67.8899994	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-32.0800018	-32.0800018	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	219.199997	219.199997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-144.320007	-144.320007	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.179992676	0.179992676 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	11796	11796	✔



# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5745.14014
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8275.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	11796
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-31457
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-32112
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2720
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3600
CDD_Die1RxRevCtr_Cnt_G_u16[0]	190
CDD_Die1RxRevCtr_Cnt_G_u16[1]	192
CDD_Die2RxError_Cnt_G_u16[0]	2962
CDD_Die2RxError_Cnt_G_u16[1]	3974
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2599
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3413
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2841
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3787
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3974
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3974
CDD_ModIdxFinal_Uls_G_u16p16[0]	8139
CDD_ModIdxFinal_Uls_G_u16p16[1]	8146
CDD_MtrCurr1_Volts_G_f32[0]	2.00433159
CDD_MtrCurr1_Volts_G_f32[1]	1.00433159
CDD_MtrCurr2_Volts_G_f32[0]	2.00433159
CDD_MtrCurr2_Volts_G_f32[1]	1.00433159
CDD_MtrCurrDax_Amp_G_f32[0]	220
CDD_MtrCurrDax_Amp_G_f32[1]	220
CDD_MtrCurrK1_Amps_G_f32[0]	-74
CDD_MtrCurrK1_Amps_G_f32[1]	-64
CDD_MtrCurrK2_Amps_G_f32[0]	-28.1499996
CDD_MtrCurrK2_Amps_G_f32[1]	-33.2999992
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	156.229996
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	164.179993
CDD_MtrCurrQax_Amp_G_f32[0]	145.619995
CDD_MtrCurrQax_Amp_G_f32[1]	219.199997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4530
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5471
CDD_PhaseAdvFinal_Cnt_G_u16[0]	270
CDD_PhaseAdvFinal_Cnt_G_u16[1]	704
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5628
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	8097
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3809
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5283
CDD_SysCVSwitchADC_Cnt_G_u16[0]	238
CDD_SysCVSwitchADC_Cnt_G_u16[1]	480
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	11796
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	12452
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	11796
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	12452
PXAccumPrev_Cnt_M_u32[0]	134
PXAccumPrev_Cnt_M_u32[1]	157
PXAccumPrev_Cnt_M_u32[2]	22389
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145886
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145900
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145907

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18235	18235	✔
PXAccumPrev_Cnt_M_u32[1]	18237	18237	✔
PXAccumPrev_Cnt_M_u32[2]	18238	18238	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00433159	1.00433159 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00433159	1.00433159 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8275.25	8275.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.179992676	0.179992676	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	11796	11796	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.489990234	-0.490005493 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3600	3600	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	4535	4535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2665	2665	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5471	5471	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	66	66	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18101	18101	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18080	18080	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536866761	536866761	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3974	3974	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3974	3974	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124298096	0.124298096 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-33.2999992	-33.2999992	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	164.179993	164.179993	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	219.199997	219.199997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	8097	8097	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.190002441	0.190002441 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	12452	12452	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.21 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5628.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8097.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	11796
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	12451
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3276
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4456
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2841
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3787
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3974
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2720
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3600
CDD_Die2RxRevCtr_Cnt_G_u16[0]	190
CDD_Die2RxRevCtr_Cnt_G_u16[1]	192
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4161
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4161
CDD_ModIdxFinal_Uls_G_u16p16[0]	16148
CDD_ModIdxFinal_Uls_G_u16p16[1]	16154
CDD_MtrCurr1_Volts_G_f32[0]	2.00458646
CDD_MtrCurr1_Volts_G_f32[1]	1.00458646
CDD_MtrCurr2_Volts_G_f32[0]	1.00458646
CDD_MtrCurr2_Volts_G_f32[1]	2.00458646
CDD_MtrCurrDax_Amp_G_f32[0]	0
CDD_MtrCurrDax_Amp_G_f32[1]	0
CDD_MtrCurrK1_Amps_G_f32[0]	75.5
CDD_MtrCurrK1_Amps_G_f32[1]	83.8000031
CDD_MtrCurrK2_Amps_G_f32[0]	34.5200005
CDD_MtrCurrK2_Amps_G_f32[1]	28.9300003
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	165.470001
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	174.580002
CDD_MtrCurrQax_Amp_G_f32[0]	156.229996
CDD_MtrCurrQax_Amp_G_f32[1]	164.179993
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3446
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	4722
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	158
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	160
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	238
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	480
CDD_PhaseAdvFinal_Cnt_G_u16[0]	6567
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8910
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2599
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3413
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3930
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5470
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2962
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3974
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	13107
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	13107
PXAccumPrev_Cnt_M_u32[0]	142
PXAccumPrev_Cnt_M_u32[1]	158
PXAccumPrev_Cnt_M_u32[2]	23614
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	245893
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145907
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	345914

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	30736	30736	✔
PXAccumPrev_Cnt_M_u32[1]	18238	18238	✔
PXAccumPrev_Cnt_M_u32[2]	43239	43239	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00458646	2.00458646 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00458646	1.00458646 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5628.27979	5628.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.179992676	0.179992676	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	11796	11796	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.049987793	0.0500030518 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	2841	2841	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	2720	2720	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	190	190	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3446	3446	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	158	158	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	238	238	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	615	615	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	30594	30594	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18080	18080	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	19625	19625	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3083	3083	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3083	3083	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246398926	0.246398926 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	0	0	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	75.5	75.5	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	34.5200005	34.5200005	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	165.470001	165.470001	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	156.229996	156.229996	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	2599	2599	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5628.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8097.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	11796
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	12451
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3276
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4456
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2841
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3787
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3974
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2720
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3600
CDD_Die2RxRevCtr_Cnt_G_u16[0]	190
CDD_Die2RxRevCtr_Cnt_G_u16[1]	192
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4161
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4161
CDD_ModIdxFinal_Uls_G_u16p16[0]	16148
CDD_ModIdxFinal_Uls_G_u16p16[1]	16154
CDD_MtrCurr1_Volts_G_f32[0]	2.00458646
CDD_MtrCurr1_Volts_G_f32[1]	1.00458646
CDD_MtrCurr2_Volts_G_f32[0]	1.00458646
CDD_MtrCurr2_Volts_G_f32[1]	2.00458646
CDD_MtrCurrDax_Amp_G_f32[0]	120.000252
CDD_MtrCurrDax_Amp_G_f32[1]	121.000252
CDD_MtrCurrK1_Amps_G_f32[0]	75.5
CDD_MtrCurrK1_Amps_G_f32[1]	83.8000031
CDD_MtrCurrK2_Amps_G_f32[0]	34.5200005
CDD_MtrCurrK2_Amps_G_f32[1]	28.9300003
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	165.470001
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	174.580002
CDD_MtrCurrQax_Amp_G_f32[0]	156.229996
CDD_MtrCurrQax_Amp_G_f32[1]	164.179993
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3446
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	4722
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	158
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	160
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	238
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	480
CDD_PhaseAdvFinal_Cnt_G_u16[0]	6567
CDD_PhaseAdvFinal_Cnt_G_u16[1]	8910
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2599
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3413
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3889
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5287
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2962
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3974
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	13107
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	13107
PXAccumPrev_Cnt_M_u32[0]	142
PXAccumPrev_Cnt_M_u32[1]	158
PXAccumPrev_Cnt_M_u32[2]	23614
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	245893
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145907
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	345914

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	30736	30736	✔
PXAccumPrev_Cnt_M_u32[1]	18238	18238	✔
PXAccumPrev_Cnt_M_u32[2]	43239	43239	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3889	3889	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00458646	2.00458646 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00458646	1.00458646 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5628.27979	5628.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.179992676	0.179992676	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	11796	11796	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.049987793	0.0500030518 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	2841	2841	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	2720	2720	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	190	190	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3446	3446	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	158	158	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	238	238	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	615	615	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	30594	30594	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18080	18080	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	19625	19625	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3083	3083	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3083	3083	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246398926	0.246398926 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	120.000252	120.000252	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	75.5	75.5	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	34.5200005	34.5200005	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	165.470001	165.470001	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	156.229996	156.229996	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	2599	2599	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2599.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3413.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	13107
CDD_CumMechMtrPos_Rev_G_s15p16[0]	4521
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4587
CDD_Die1RxError_Cnt_G_u16[0]	3325
CDD_Die1RxError_Cnt_G_u16[1]	4535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	190
CDD_Die1RxMtrPos_Cnt_G_u16[1]	192
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	3204
CDD_Die2RxError_Cnt_G_u16[1]	4348
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2841
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3787
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3974
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6229
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9023
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4348
CDD_ModIdxFinal_Uls_G_u16p16[0]	20519
CDD_ModIdxFinal_Uls_G_u16p16[1]	20525
CDD_MtrCurr1_Volts_G_f32[0]	0.00484120008
CDD_MtrCurr1_Volts_G_f32[1]	4.00484133
CDD_MtrCurr2_Volts_G_f32[0]	0.00484120008
CDD_MtrCurr2_Volts_G_f32[1]	4.00484133
CDD_MtrCurrDax_Amp_G_f32[0]	-117.279999
CDD_MtrCurrDax_Amp_G_f32[1]	-93.0199966
CDD_MtrCurrK1_Amps_G_f32[0]	50
CDD_MtrCurrK1_Amps_G_f32[1]	60
CDD_MtrCurrK2_Amps_G_f32[0]	35.7400017
CDD_MtrCurrK2_Amps_G_f32[1]	29.7099991
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	174.710007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	184.979996
CDD_MtrCurrQax_Amp_G_f32[0]	165.470001
CDD_MtrCurrQax_Amp_G_f32[1]	174.580002
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	3567
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	4909
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	166
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	168
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2962
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	3974
CDD_PhaseAdvFinal_Cnt_G_u16[0]	7688
CDD_PhaseAdvFinal_Cnt_G_u16[1]	9097
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2720
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3600
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	4530
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5471
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3083
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4161
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	13107
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	13763
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	13107
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	13763
PXAccumPrev_Cnt_M_u32[0]	150
PXAccumPrev_Cnt_M_u32[1]	159
PXAccumPrev_Cnt_M_u32[2]	24839
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145900
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	345914
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145921



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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18237	18237	✔
PXAccumPrev_Cnt_M_u32[1]	43239	43239	✔
PXAccumPrev_Cnt_M_u32[2]	18240	18240	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.00484133	4.00484133 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.00484133	4.00484133 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3413.25	3413.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.199996948	0.199996948	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	13107	13107	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0699920654	0.0700073242 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	4909	4909	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	168	168	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3974	3974	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	852	852	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18087	18087	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	43080	43080	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536864313	536864313	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9023	9023	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.313186646	0.313201904 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-93.0199966	-93.0199966	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	29.7099991	29.7099991	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	184.979996	184.979996	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	174.580002	174.580002	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3600	3600	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.210006714	0.210006714 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	13763	13763	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	190.257996
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	192.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	15073
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4915
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4980
CDD_Die1RxError_Cnt_G_u16[0]	3688
CDD_Die1RxError_Cnt_G_u16[1]	5096
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3446
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4722
CDD_Die2RxError_Cnt_G_u16[0]	3567
CDD_Die2RxError_Cnt_G_u16[1]	4909
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	222
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	368
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3567
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4909
CDD_ModIdxFinal_Uls_G_u16p16[0]	10872
CDD_ModIdxFinal_Uls_G_u16p16[1]	10878
CDD_MtrCurr1_Volts_G_f32[0]	0
CDD_MtrCurr1_Volts_G_f32[1]	0
CDD_MtrCurr2_Volts_G_f32[0]	1.00560558
CDD_MtrCurr2_Volts_G_f32[1]	4.0056057
CDD_MtrCurrDax_Amp_G_f32[0]	-78.0100021
CDD_MtrCurrDax_Amp_G_f32[1]	67.4800034
CDD_MtrCurrK1_Amps_G_f32[0]	59.1399994
CDD_MtrCurrK1_Amps_G_f32[1]	71.3799973
CDD_MtrCurrK2_Amps_G_f32[0]	39.4000015
CDD_MtrCurrK2_Amps_G_f32[1]	32.0499992
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-159.070007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-116.019997
CDD_MtrCurrQax_Amp_G_f32[0]	193.190002
CDD_MtrCurrQax_Amp_G_f32[1]	205.779999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6779
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	192
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6350
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	9210
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3325
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2962
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3974
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	238
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	480
CDD_SysCVSwitchADC_Cnt_G_u16[0]	214
CDD_SysCVSwitchADC_Cnt_G_u16[1]	312
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	15073
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	15729
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	15073
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	15729
PXAccumPrev_Cnt_M_u32[0]	174
PXAccumPrev_Cnt_M_u32[1]	176
PXAccumPrev_Cnt_M_u32[2]	28514
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145921
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145935
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	545942

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18240	18240	✔
PXAccumPrev_Cnt_M_u32[1]	18241	18241	✔
PXAccumPrev_Cnt_M_u32[2]	68242	68242	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.0056057	4.0056057 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	192.25	192.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.229995728	0.229995728	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	15073	15073	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0759887695	-0.0760040283 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	192	192	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	9210	9210	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	425	425	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18066	18066	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18065	18065	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	39728	39728	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	368	368	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4909	4909	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.165985107	0.166000366 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	67.4800034	67.4800034	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	71.3799973	71.3799973	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	32.0499992	32.0499992	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-116.019997	-116.019997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	205.779999	205.779999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	312	312	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.240005493	0.240005493 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	15729	15729	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.25 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.28711
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	15073
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	15729
CDD_CumMechMtrPos_Rev_G_s15p16[0]	5439
CDD_CumMechMtrPos_Rev_G_s15p16[1]	5505
CDD_Die1RxError_Cnt_G_u16[0]	3809
CDD_Die1RxError_Cnt_G_u16[1]	5283
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3567
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4909
CDD_Die2RxError_Cnt_G_u16[0]	3688
CDD_Die2RxError_Cnt_G_u16[1]	5096
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3446
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4722
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	230
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	424
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3688
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5096
CDD_ModIdxFinal_Uls_G_u16p16[0]	15217
CDD_ModIdxFinal_Uls_G_u16p16[1]	15224
CDD_MtrCurr1_Volts_G_f32[0]	5
CDD_MtrCurr1_Volts_G_f32[1]	5
CDD_MtrCurr2_Volts_G_f32[0]	0.00586039992
CDD_MtrCurr2_Volts_G_f32[1]	1.00586045
CDD_MtrCurrDax_Amp_G_f32[0]	10.2299995
CDD_MtrCurrDax_Amp_G_f32[1]	20.5599995
CDD_MtrCurrK1_Amps_G_f32[0]	60.8100014
CDD_MtrCurrK1_Amps_G_f32[1]	74.1200027
CDD_MtrCurrK2_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK2_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-179.600006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-131.130005
CDD_MtrCurrQax_Amp_G_f32[0]	-159.070007
CDD_MtrCurrQax_Amp_G_f32[1]	-116.019997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4898
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6966
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	198
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	200
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	214
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	312
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3446
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4722
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2962
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3974
CDD_SysCVSwitchADC_Cnt_G_u16[0]	222
CDD_SysCVSwitchADC_Cnt_G_u16[1]	368
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	15729
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	16384
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	15729
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	16384
PXAccumPrev_Cnt_M_u32[0]	182
PXAccumPrev_Cnt_M_u32[1]	184
PXAccumPrev_Cnt_M_u32[2]	29739
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	445928
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145949

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	55741	55741	✔
PXAccumPrev_Cnt_M_u32[1]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[2]	18243	18243	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	5	5 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00586045	1.00586045 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3974.28711	3974.28711	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.240005493	0.240005493	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	15729	15729	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0839996338	0.0839996338 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6966	6966	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	200	200	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	312	312	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	442	442	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	55559	55559	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	68058	68058	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536859416	536859416	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	424	424	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5096	5096	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232299805	0.232299805 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	20.5599995	20.5599995	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	74.1200027	74.1200027	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-69.1600037	-69.1600037	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-131.130005	-131.130005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-116.019997	-116.019997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.25	0.25 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	16384	16384	✔

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CDDInterface\_Per1

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.26 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3083.13989
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4161.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	15729
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	16384
CDD_CumMechMtrPos_Rev_G_s15p16[0]	5570
CDD_CumMechMtrPos_Rev_G_s15p16[1]	5636
CDD_Die1RxError_Cnt_G_u16[0]	3930
CDD_Die1RxError_Cnt_G_u16[1]	5470
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3446
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4722
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5096
CDD_Die2RxError_Cnt_G_u16[0]	3809
CDD_Die2RxError_Cnt_G_u16[1]	5283
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3567
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4909
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	238
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	480
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3809
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5283
CDD_ModIdxFinal_Uls_G_u16p16[0]	32086
CDD_ModIdxFinal_Uls_G_u16p16[1]	32092
CDD_MtrCurr1_Volts_G_f32[0]	2.00637007
CDD_MtrCurr1_Volts_G_f32[1]	1.00636995
CDD_MtrCurr2_Volts_G_f32[0]	1.0061152
CDD_MtrCurr2_Volts_G_f32[1]	2.0061152
CDD_MtrCurrDax_Amp_G_f32[0]	15.7799997
CDD_MtrCurrDax_Amp_G_f32[1]	25.2299995
CDD_MtrCurrK1_Amps_G_f32[0]	-76.8600006
CDD_MtrCurrK1_Amps_G_f32[1]	-62.4799995
CDD_MtrCurrK2_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK2_Amps_G_f32[1]	90.5599976
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	98.3199997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	119.690002
CDD_MtrCurrQax_Amp_G_f32[0]	-179.600006
CDD_MtrCurrQax_Amp_G_f32[1]	-131.130005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4172
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	5844
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	206
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	256
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	222
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	368
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5140
CDD_PhaseAdvFinal_Cnt_G_u16[1]	7340
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3083
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4161
CDD_SysCVSwitchADC_Cnt_G_u16[0]	230
CDD_SysCVSwitchADC_Cnt_G_u16[1]	424
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	17039
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	17039
PXAccumPrev_Cnt_M_u32[0]	190
PXAccumPrev_Cnt_M_u32[1]	192
PXAccumPrev_Cnt_M_u32[2]	30964
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145935
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145956



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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18241	18241	✔
PXAccumPrev_Cnt_M_u32[1]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[2]	18244	18244	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00637007	2.00637007 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.0061152	1.0061152 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3083.13989	3083.13989	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.240005493	0.240005493	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	15729	15729	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0849914551	0.0850067139 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	4172	4172	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	206	206	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	222	222	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	481	481	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18051	18051	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18051	18051	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536858192	536858192	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	238	238	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3809	3809	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.489593506	0.489593506 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	15.7799997	15.7799997	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-76.8600006	-76.8600006	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	70.8300018	70.8300018	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	98.3199997	98.3199997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-179.600006	-179.600006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	230	230	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3204.25806
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4348.25781
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	17039
CDD_CumMechMtrPos_Rev_G_s15p16[0]	6094
CDD_CumMechMtrPos_Rev_G_s15p16[1]	6160
CDD_Die1RxError_Cnt_G_u16[0]	3889
CDD_Die1RxError_Cnt_G_u16[1]	5287
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5283
CDD_Die2RxError_Cnt_G_u16[0]	3930
CDD_Die2RxError_Cnt_G_u16[1]	5470
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3446
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4722
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5096
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3974
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3930
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5470
CDD_ModIdxFinal_Uls_G_u16p16[0]	43207
CDD_ModIdxFinal_Uls_G_u16p16[1]	43214
CDD_MtrCurr1_Volts_G_f32[0]	2.0066247
CDD_MtrCurr1_Volts_G_f32[1]	1.00662482
CDD_MtrCurr2_Volts_G_f32[0]	0
CDD_MtrCurr2_Volts_G_f32[1]	0
CDD_MtrCurrDax_Amp_G_f32[0]	66.1999969
CDD_MtrCurrDax_Amp_G_f32[1]	88.0999985
CDD_MtrCurrK1_Amps_G_f32[0]	64.1500015
CDD_MtrCurrK1_Amps_G_f32[1]	79.5999985
CDD_MtrCurrK2_Amps_G_f32[0]	72.5
CDD_MtrCurrK2_Amps_G_f32[1]	93.2900009
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	124.269997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	151.059998
CDD_MtrCurrQax_Amp_G_f32[0]	98.3199997
CDD_MtrCurrQax_Amp_G_f32[1]	119.690002
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4293
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6031
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1026
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	1040
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	230
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	424
CDD_PhaseAdvFinal_Cnt_G_u16[0]	4777
CDD_PhaseAdvFinal_Cnt_G_u16[1]	6779
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	6229
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	9023
CDD_SysCVSwitchADC_Cnt_G_u16[0]	238
CDD_SysCVSwitchADC_Cnt_G_u16[1]	480
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	17039
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	17695
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	17039
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	17695
PXAccumPrev_Cnt_M_u32[0]	198
PXAccumPrev_Cnt_M_u32[1]	200
PXAccumPrev_Cnt_M_u32[2]	32189
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	645963

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	68242	68242	✓
PXAccumPrev_Cnt_M_u32[1]	18244	18244	✓
PXAccumPrev_Cnt_M_u32[2]	80745	80745	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	9023	9023	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00662482	1.00662482 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4348.25781	4348.25781	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.259994507	0.259994507	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	17039	17039	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0939941406	0.0939941406 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5287	5287	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4909	4909	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5283	5283	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4722	4722	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5096	5096	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6031	6031	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1040	1040	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	424	424	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	635	635	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	68044	68044	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18044	18044	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	48556	48556	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3974	3974	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5470	5470	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659393311	0.659393311 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	88.0999985	88.0999985	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	79.5999985	79.5999985	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	93.2900009	93.2900009	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	151.059998	151.059998	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	119.690002	119.690002	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	480	480	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.270004272	0.270004272 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	17695	17695	✓

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3325.25806
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4535.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	17039
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	17695
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-792
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-799
CDD_Die1RxError_Cnt_G_u16[0]	4530
CDD_Die1RxError_Cnt_G_u16[1]	5471
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5470
CDD_Die2RxError_Cnt_G_u16[0]	3889
CDD_Die2RxError_Cnt_G_u16[1]	5287
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5283
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4161
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3889
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5287
CDD_ModIdxFinal_Uls_G_u16p16[0]	8113
CDD_ModIdxFinal_Uls_G_u16p16[1]	8119
CDD_MtrCurr1_Volts_G_f32[0]	0.00687960023
CDD_MtrCurr1_Volts_G_f32[1]	2.00687957
CDD_MtrCurr2_Volts_G_f32[0]	5
CDD_MtrCurr2_Volts_G_f32[1]	5
CDD_MtrCurrDax_Amp_G_f32[0]	-32
CDD_MtrCurrDax_Amp_G_f32[1]	-28
CDD_MtrCurrK1_Amps_G_f32[0]	65.8199997
CDD_MtrCurrK1_Amps_G_f32[1]	82.3399963
CDD_MtrCurrK2_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK2_Amps_G_f32[1]	96.0390015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	120.710999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	130.934006
CDD_MtrCurrQax_Amp_G_f32[0]	124.269997
CDD_MtrCurrQax_Amp_G_f32[1]	151.059998
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4414
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6218
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1147
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	1169
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	238
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	480
CDD_PhaseAdvFinal_Cnt_G_u16[0]	4898
CDD_PhaseAdvFinal_Cnt_G_u16[1]	6966
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3446
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4722
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	6350
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	9210
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2962
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3974
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	18350
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	18350
PXAccumPrev_Cnt_M_u32[0]	206
PXAccumPrev_Cnt_M_u32[1]	256
PXAccumPrev_Cnt_M_u32[2]	33414
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145970

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[1]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[2]	18246	18246	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	9210	9210	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00687957	2.00687957 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	5	5 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4535.27979	4535.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.270004272	0.270004272	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	17695	17695	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0121917725	-0.0122070313 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5287	5287	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6218	6218	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1169	1169	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	480	480	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	653	653	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18037	18037	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	80489	80489	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536855744	536855744	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4161	4161	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5287	5287	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.123886108	0.123901367 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-28	-28	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	82.3399963	82.3399963	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	96.0390015	96.0390015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	130.934006	130.934006	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	151.059998	151.059998	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.279998779	0.279998779 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	18350	18350	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4530.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	5471.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	18350
CDD_CumMechMtrPos_Rev_G_s15p16[0]	845
CDD_CumMechMtrPos_Rev_G_s15p16[1]	851
CDD_Die1RxError_Cnt_G_u16[0]	238
CDD_Die1RxError_Cnt_G_u16[1]	480
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3809
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5283
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3889
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5287
CDD_Die2RxError_Cnt_G_u16[0]	4530
CDD_Die2RxError_Cnt_G_u16[1]	5471
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5470
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4348
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4530
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5471
CDD_ModIdxFinal_Uls_G_u16p16[0]	20480
CDD_ModIdxFinal_Uls_G_u16p16[1]	20486
CDD_MtrCurr1_Volts_G_f32[0]	1.00713444
CDD_MtrCurr1_Volts_G_f32[1]	4.00713444
CDD_MtrCurr2_Volts_G_f32[0]	1.00713444
CDD_MtrCurr2_Volts_G_f32[1]	4.00713444
CDD_MtrCurrDax_Amp_G_f32[0]	6.26999998
CDD_MtrCurrDax_Amp_G_f32[1]	11.2799997
CDD_MtrCurrK1_Amps_G_f32[0]	67.4899979
CDD_MtrCurrK1_Amps_G_f32[1]	85.0800018
CDD_MtrCurrK2_Amps_G_f32[0]	-74
CDD_MtrCurrK2_Amps_G_f32[1]	-64
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	144.751007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	155.233994
CDD_MtrCurrQax_Amp_G_f32[0]	120.710999
CDD_MtrCurrQax_Amp_G_f32[1]	130.934006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4535
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6405
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1268
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	1356
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	2962
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	3974
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5019
CDD_PhaseAdvFinal_Cnt_G_u16[1]	7153
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3567
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4909
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	214
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	312
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3083
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4161
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	19005
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	19005
PXAccumPrev_Cnt_M_u32[0]	5866
PXAccumPrev_Cnt_M_u32[1]	8462
PXAccumPrev_Cnt_M_u32[2]	34639
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145977

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[1]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[2]	18247	18247	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	214	214	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00713444	1.00713444 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00713444	1.00713444 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4530.25	4530.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0128936768	0.0128936768 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	238	238	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3889	3889	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4530	4530	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	4535	4535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1268	1268	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	2962	2962	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	470	470	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12378	12378	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9784	9784	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536854520	536854520	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3204	3204	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4530	4530	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.3125	0.3125 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	6.26999998	6.26999998	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	67.4899979	67.4899979	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-74	-74	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	144.751007	144.751007	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	120.710999	120.710999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.30 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	19005
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-858
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-865
CDD_Die1RxError_Cnt_G_u16[0]	2962
CDD_Die1RxError_Cnt_G_u16[1]	3974
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die1RxRevCtr_Cnt_G_u16[0]	4530
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5471
CDD_Die2RxError_Cnt_G_u16[0]	238
CDD_Die2RxError_Cnt_G_u16[1]	480
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3809
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5283
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3889
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5287
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3325
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4535
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	238
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	480
CDD_ModIdxFinal_Uls_G_u16p16[0]	0
CDD_ModIdxFinal_Uls_G_u16p16[1]	0
CDD_MtrCurr1_Volts_G_f32[0]	1.00968242
CDD_MtrCurr1_Volts_G_f32[1]	2.00968242
CDD_MtrCurr2_Volts_G_f32[0]	1.00968242
CDD_MtrCurr2_Volts_G_f32[1]	2.00968242
CDD_MtrCurrDax_Amp_G_f32[0]	34
CDD_MtrCurrDax_Amp_G_f32[1]	54
CDD_MtrCurrK1_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK1_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrK2_Amps_G_f32[0]	75.5
CDD_MtrCurrK2_Amps_G_f32[1]	83.8000031
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-168.791
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-159.533997
CDD_MtrCurrQax_Amp_G_f32[0]	144.751007
CDD_MtrCurrQax_Amp_G_f32[1]	155.233994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4656
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6592
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1389
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	1543
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3083
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4161
CDD_PhaseAdvFinal_Cnt_G_u16[0]	2236
CDD_PhaseAdvFinal_Cnt_G_u16[1]	2852
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3688
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5096
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	222
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	368
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3204
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4348
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	19005
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	19661
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	19005
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	19661
PXAccumPrev_Cnt_M_u32[0]	5987
PXAccumPrev_Cnt_M_u32[1]	8649
PXAccumPrev_Cnt_M_u32[2]	35864
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984



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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00968242	2.00968242 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00968242	2.00968242 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3974.25	3974.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.289993286	0.289993286	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	19005	19005	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0131988525	-0.0131988525 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5287	5287	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1543	1543	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4161	4161	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	267	267	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	74758	74758	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9598	9598	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	69884	69884	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4535	4535	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	480	480	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	54	54	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-69.1600037	-69.1600037	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	83.8000031	83.8000031	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-159.533997	-159.533997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	155.233994	155.233994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.300003052	0.300003052 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	19661	19661	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.31 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3083.23999
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4161.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	19005
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	19661
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	878
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3889
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5287
CDD_Die1RxRevCtr_Cnt_G_u16[0]	238
CDD_Die1RxRevCtr_Cnt_G_u16[1]	480
CDD_Die2RxError_Cnt_G_u16[0]	2962
CDD_Die2RxError_Cnt_G_u16[1]	3974
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die2RxRevCtr_Cnt_G_u16[0]	4530
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5471
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3446
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4722
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3974
CDD_ModIdxFinal_Uls_G_u16p16[0]	65534
CDD_ModIdxFinal_Uls_G_u16p16[1]	65534
CDD_MtrCurr1_Volts_G_f32[0]	2.00764394
CDD_MtrCurr1_Volts_G_f32[1]	1.00764406
CDD_MtrCurr2_Volts_G_f32[0]	1.00764406
CDD_MtrCurr2_Volts_G_f32[1]	2.00764394
CDD_MtrCurrDax_Amp_G_f32[0]	59.2700005
CDD_MtrCurrDax_Amp_G_f32[1]	67.8899994
CDD_MtrCurrK1_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK1_Amps_G_f32[1]	90.5599976
CDD_MtrCurrK2_Amps_G_f32[0]	50
CDD_MtrCurrK2_Amps_G_f32[1]	60
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	192.830994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	203.834
CDD_MtrCurrQax_Amp_G_f32[0]	-168.791
CDD_MtrCurrQax_Amp_G_f32[1]	-159.533997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6779
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1510
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	1730
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4348
CDD_PhaseAdvFinal_Cnt_G_u16[0]	2357
CDD_PhaseAdvFinal_Cnt_G_u16[1]	3039
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3809
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5283
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	230
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	424
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3325
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	20316
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	20316
PXAccumPrev_Cnt_M_u32[0]	6108
PXAccumPrev_Cnt_M_u32[1]	8836
PXAccumPrev_Cnt_M_u32[2]	37089
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145991

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[1]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[2]	18248	18248	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00764406	1.00764406 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00764394	2.00764394 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4161.27979	4161.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.300003052	0.300003052	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	19661	19661	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0133972168	0.0133972168 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5287	5287	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1730	1730	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	284	284	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12138	12138	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	96912	96912	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536852071	536852071	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3974	3974	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.999969482	0.999984741 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	67.8899994	67.8899994	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	90.5599976	90.5599976	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-159.533997	-159.533997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.309997559	0.309997559 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	20316	20316	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.32 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	6229.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	9023.54004
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	20316
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-884
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-891
CDD_Die1RxError_Cnt_G_u16[0]	6229
CDD_Die1RxError_Cnt_G_u16[1]	9023
CDD_Die1RxMtrPos_Cnt_G_u16[0]	4530
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5471
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3974
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3889
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5287
CDD_Die2RxRevCtr_Cnt_G_u16[0]	238
CDD_Die2RxRevCtr_Cnt_G_u16[1]	480
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3567
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4909
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4161
CDD_ModIdxFinal_Uls_G_u16p16[0]	24176
CDD_ModIdxFinal_Uls_G_u16p16[1]	24182
CDD_MtrCurr1_Volts_G_f32[0]	0.00789880008
CDD_MtrCurr1_Volts_G_f32[1]	2.00789881
CDD_MtrCurr2_Volts_G_f32[0]	0.00789880008
CDD_MtrCurr2_Volts_G_f32[1]	1.00789881
CDD_MtrCurrDax_Amp_G_f32[0]	-74
CDD_MtrCurrDax_Amp_G_f32[1]	-64
CDD_MtrCurrK1_Amps_G_f32[0]	72.5
CDD_MtrCurrK1_Amps_G_f32[1]	93.2900009
CDD_MtrCurrK2_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	65.9000015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	141.156998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	151.380005
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	4898
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	6966
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1631
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	1917
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4535
CDD_PhaseAdvFinal_Cnt_G_u16[0]	2478
CDD_PhaseAdvFinal_Cnt_G_u16[1]	3226
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3930
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5470
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5140
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7340
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3446
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4722
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	20316
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	20971
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	20316
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	20971
PXAccumPrev_Cnt_M_u32[0]	6229
PXAccumPrev_Cnt_M_u32[1]	9023
PXAccumPrev_Cnt_M_u32[2]	38314
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.00789880008	0.00789880008 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.00789880008	0.00789880008 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6229.27979	6229.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0134887695	-0.0135040283 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	6229	6229	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4530	4530	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3889	3889	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	238	238	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	4898	4898	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1631	1631	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	232	232	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12018	12018	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9225	9225	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536850847	536850847	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3567	3567	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3083	3083	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.368896484	0.368896484 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-74	-74	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	72.5	72.5	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	55.7999992	55.7999992	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	141.156998	141.156998	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	192.830994	192.830994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.309997559	0.309997559 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	20316	20316	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.33 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	6350.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	9210.28027
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	20316
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	20972
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	904
CDD_Die1RxError_Cnt_G_u16[0]	6350
CDD_Die1RxError_Cnt_G_u16[1]	9210
CDD_Die1RxMtrPos_Cnt_G_u16[0]	238
CDD_Die1RxMtrPos_Cnt_G_u16[1]	480
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	6229
CDD_Die2RxError_Cnt_G_u16[1]	9023
CDD_Die2RxMtrPos_Cnt_G_u16[0]	4530
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5471
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3974
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3688
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5096
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	6229
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	9023
CDD_ModIdxFinal_Uls_G_u16p16[0]	15178
CDD_ModIdxFinal_Uls_G_u16p16[1]	15184
CDD_MtrCurr1_Volts_G_f32[0]	1.00815356
CDD_MtrCurr1_Volts_G_f32[1]	2.00815368
CDD_MtrCurr2_Volts_G_f32[0]	1.00815356
CDD_MtrCurr2_Volts_G_f32[1]	2.00815368
CDD_MtrCurrDax_Amp_G_f32[0]	75.5
CDD_MtrCurrDax_Amp_G_f32[1]	83.8000031
CDD_MtrCurrK1_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK1_Amps_G_f32[1]	96.0390015
CDD_MtrCurrK2_Amps_G_f32[0]	-68.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	-57.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	76.9499969
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	7153
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1752
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2104
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3446
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4722
CDD_PhaseAdvFinal_Cnt_G_u16[0]	0
CDD_PhaseAdvFinal_Cnt_G_u16[1]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3889
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5287
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5261
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7527
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3567
CDD_SysCVSwitchADC_Cnt_G_u16[1]	4909
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	20972
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	21627
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	20972
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	21627
PXAccumPrev_Cnt_M_u32[0]	6350
PXAccumPrev_Cnt_M_u32[1]	9210
PXAccumPrev_Cnt_M_u32[2]	39539
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146005



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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[1]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[2]	18250	18250	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00815368	2.00815368 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00815368	2.00815368 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	9210.28027	9210.28027	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.320007324	0.320007324	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	20972	20972	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0137939453	0.0137939453 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	9210	9210	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	9023	9023	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	7153	7153	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2104	2104	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0	0	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	99398	99398	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9039	9039	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536849623	536849623	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5096	5096	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	9023	9023	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.231689453	0.231704712 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	83.8000031	83.8000031	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	96.0390015	96.0390015	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-57.4700012	-57.4700012	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	76.9499969	76.9499969	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5287	5287	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.330001831	0.330001831 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	21627	21627	✔



# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.34 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5019.52002
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7153.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	20971
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	21627
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-910
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-917
CDD_Die1RxError_Cnt_G_u16[0]	214
CDD_Die1RxError_Cnt_G_u16[1]	312
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2962
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3974
CDD_Die1RxRevCtr_Cnt_G_u16[0]	6229
CDD_Die1RxRevCtr_Cnt_G_u16[1]	9023
CDD_Die2RxError_Cnt_G_u16[0]	6350
CDD_Die2RxError_Cnt_G_u16[1]	9210
CDD_Die2RxMtrPos_Cnt_G_u16[0]	238
CDD_Die2RxMtrPos_Cnt_G_u16[1]	480
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4161
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3809
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5283
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	6350
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	9210
CDD_ModIdxFinal_Uls_G_u16p16[0]	24136
CDD_ModIdxFinal_Uls_G_u16p16[1]	24143
CDD_MtrCurr1_Volts_G_f32[0]	0.00840840023
CDD_MtrCurr1_Volts_G_f32[1]	2.00840831
CDD_MtrCurr2_Volts_G_f32[0]	0.00840840023
CDD_MtrCurr2_Volts_G_f32[1]	1.00840843
CDD_MtrCurrDax_Amp_G_f32[0]	50
CDD_MtrCurrDax_Amp_G_f32[1]	60
CDD_MtrCurrK1_Amps_G_f32[0]	30.8600006
CDD_MtrCurrK1_Amps_G_f32[1]	26.5900002
CDD_MtrCurrK2_Amps_G_f32[0]	-25.5799999
CDD_MtrCurrK2_Amps_G_f32[1]	-20.4699993
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQax_Amp_G_f32[1]	76.9499969
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5140
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	7340
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3567
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	4909
CDD_PhaseAdvFinal_Cnt_G_u16[0]	65535
CDD_PhaseAdvFinal_Cnt_G_u16[1]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	4530
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5471
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5382
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7714
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3688
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5096
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	22282
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	22282
PXAccumPrev_Cnt_M_u32[0]	214
PXAccumPrev_Cnt_M_u32[1]	312
PXAccumPrev_Cnt_M_u32[2]	40764
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146005
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	946012

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[1]	18250	18250	✔
PXAccumPrev_Cnt_M_u32[2]	118251	118251	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00840831	2.00840831 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00840843	1.00840843 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7153.8501	7153.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.330001831	0.330001831	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	21627	21627	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0139923096	-0.0140075684 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	312	312	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	9023	9023	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	9210	9210	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	7340	7340	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2291	2291	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4909	4909	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0	0	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18034	18034	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17938	17938	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	77487	77487	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5283	5283	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	9210	9210	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.368392944	0.368392944 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	26.5900002	26.5900002	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-20.4699993	-20.4699993	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	76.9499969	76.9499969	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5471	5471	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.339996338	0.339996338 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	22282	22282	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.35 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.81006
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	22282
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-530
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-537
CDD_Die1RxError_Cnt_G_u16[0]	222
CDD_Die1RxError_Cnt_G_u16[1]	368
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die1RxRevCtr_Cnt_G_u16[0]	6350
CDD_Die1RxRevCtr_Cnt_G_u16[1]	9210
CDD_Die2RxError_Cnt_G_u16[0]	214
CDD_Die2RxError_Cnt_G_u16[1]	312
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2962
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3974
CDD_Die2RxRevCtr_Cnt_G_u16[0]	6229
CDD_Die2RxRevCtr_Cnt_G_u16[1]	9023
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3930
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5470
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	214
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	312
CDD_ModIdxFinal_Uls_G_u16p16[0]	32086
CDD_ModIdxFinal_Uls_G_u16p16[1]	32092
CDD_MtrCurr1_Volts_G_f32[0]	1.00866318
CDD_MtrCurr1_Volts_G_f32[1]	4.00866318
CDD_MtrCurr2_Volts_G_f32[0]	1.00866318
CDD_MtrCurr2_Volts_G_f32[1]	4.00866318
CDD_MtrCurrDax_Amp_G_f32[0]	55.7999992
CDD_MtrCurrDax_Amp_G_f32[1]	65.9000015
CDD_MtrCurrK1_Amps_G_f32[0]	-27.3700008
CDD_MtrCurrK1_Amps_G_f32[1]	-32.0800018
CDD_MtrCurrK2_Amps_G_f32[0]	46.4199982
CDD_MtrCurrK2_Amps_G_f32[1]	56.9500008
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQax_Amp_G_f32[1]	-70.6900024
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5261
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	7527
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3688
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5096
CDD_PhaseAdvFinal_Cnt_G_u16[0]	5019
CDD_PhaseAdvFinal_Cnt_G_u16[1]	7153
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	238
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	480
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5503
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7901
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3809
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5283
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	22282
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	22937
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	22282
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	22937
PXAccumPrev_Cnt_M_u32[0]	222
PXAccumPrev_Cnt_M_u32[1]	368
PXAccumPrev_Cnt_M_u32[2]	41989
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146019

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[1]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[2]	18252	18252	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5503	5503	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00866318	1.00866318 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00866318	1.00866318 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.81006	5140.81006	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0080871582	-0.00810241699 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	222	222	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	6350	6350	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	214	214	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	6229	6229	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	5261	5261	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	1994	1994	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	3688	3688	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	470	470	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18027	18027	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	117883	117883	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536847175	536847175	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3930	3930	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	214	214	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.489593506	0.489593506 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	55.7999992	55.7999992	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-27.3700008	-27.3700008	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	46.4199982	46.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-118.010002	-118.010002	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-97.4800034	-97.4800034	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	238	238	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.339996338	0.339996338 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	22282	22282	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.36 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5261.41016
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7527.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	22282
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	22938
CDD_CumMechMtrPos_Rev_G_s15p16[0]	655
CDD_CumMechMtrPos_Rev_G_s15p16[1]	1310
CDD_Die1RxError_Cnt_G_u16[0]	230
CDD_Die1RxError_Cnt_G_u16[1]	424
CDD_Die1RxMtrPos_Cnt_G_u16[0]	6229
CDD_Die1RxMtrPos_Cnt_G_u16[1]	9023
CDD_Die1RxRevCtr_Cnt_G_u16[0]	214
CDD_Die1RxRevCtr_Cnt_G_u16[1]	312
CDD_Die2RxError_Cnt_G_u16[0]	222
CDD_Die2RxError_Cnt_G_u16[1]	368
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die2RxRevCtr_Cnt_G_u16[0]	6350
CDD_Die2RxRevCtr_Cnt_G_u16[1]	9210
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	100
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	150
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	222
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	368
CDD_ModIdxFinal_Uls_G_u16p16[0]	43207
CDD_ModIdxFinal_Uls_G_u16p16[1]	43214
CDD_MtrCurr1_Volts_G_f32[0]	2.00891805
CDD_MtrCurr1_Volts_G_f32[1]	1.00891805
CDD_MtrCurr2_Volts_G_f32[0]	2.00891805
CDD_MtrCurr2_Volts_G_f32[1]	1.00891805
CDD_MtrCurrDax_Amp_G_f32[0]	-68.6399994
CDD_MtrCurrDax_Amp_G_f32[1]	-57.4700012
CDD_MtrCurrK1_Amps_G_f32[0]	-28.1499996
CDD_MtrCurrK1_Amps_G_f32[1]	-33.2999992
CDD_MtrCurrK2_Amps_G_f32[0]	72.3700027
CDD_MtrCurrK2_Amps_G_f32[1]	88.3199997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-220
CDD_MtrCurrQax_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQax_Amp_G_f32[1]	-85.8000031
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5382
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	7714
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3809
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5283
CDD_PhaseAdvFinal_Cnt_G_u16[0]	190
CDD_PhaseAdvFinal_Cnt_G_u16[1]	192
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2962
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3974
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5624
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8088
CDD_SysCVSwitchADC_Cnt_G_u16[0]	3930
CDD_SysCVSwitchADC_Cnt_G_u16[1]	5470
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	22938
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	23593
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	22938
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	23593
PXAccumPrev_Cnt_M_u32[0]	230
PXAccumPrev_Cnt_M_u32[1]	424
PXAccumPrev_Cnt_M_u32[2]	43214
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146005
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146019
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146026

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18250	18250	✓
PXAccumPrev_Cnt_M_u32[1]	18252	18252	✓
PXAccumPrev_Cnt_M_u32[2]	18253	18253	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8088	8088	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00891805	1.00891805 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00891805	1.00891805 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7527.8501	7527.8501	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.350006104	0.350006104	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	22938	22938	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0199890137	0.0200042725 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	424	424	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	9023	9023	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	312	312	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	368	368	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	9210	9210	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	7714	7714	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2665	2665	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5283	5283	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	18	18	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18020	18020	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17828	17828	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536845951	536845951	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	150	150	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	368	368	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659393311	0.659393311 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-57.4700012	-57.4700012	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-33.2999992	-33.2999992	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	88.3199997	88.3199997	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-85.8000031	-85.8000031	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3974	3974	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.36000061	0.36000061 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	23593	23593	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.37 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.41016
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	22937
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	23593
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-1966
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-2621
CDD_Die1RxError_Cnt_G_u16[0]	238
CDD_Die1RxError_Cnt_G_u16[1]	480
CDD_Die1RxMtrPos_Cnt_G_u16[0]	6350
CDD_Die1RxMtrPos_Cnt_G_u16[1]	9210
CDD_Die1RxRevCtr_Cnt_G_u16[0]	222
CDD_Die1RxRevCtr_Cnt_G_u16[1]	368
CDD_Die2RxError_Cnt_G_u16[0]	230
CDD_Die2RxError_Cnt_G_u16[1]	424
CDD_Die2RxMtrPos_Cnt_G_u16[0]	6229
CDD_Die2RxMtrPos_Cnt_G_u16[1]	9023
CDD_Die2RxRevCtr_Cnt_G_u16[0]	214
CDD_Die2RxRevCtr_Cnt_G_u16[1]	312
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	126
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	156
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	230
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	424
CDD_ModIdxFinal_Uls_G_u16p16[0]	8113
CDD_ModIdxFinal_Uls_G_u16p16[1]	8119
CDD_MtrCurr1_Volts_G_f32[0]	2.00917292
CDD_MtrCurr1_Volts_G_f32[1]	1.0091728
CDD_MtrCurr2_Volts_G_f32[0]	1.0091728
CDD_MtrCurr2_Volts_G_f32[1]	2.00917292
CDD_MtrCurrDax_Amp_G_f32[0]	59.1399994
CDD_MtrCurrDax_Amp_G_f32[1]	71.3799973
CDD_MtrCurrK1_Amps_G_f32[0]	34.5200005
CDD_MtrCurrK1_Amps_G_f32[1]	28.9300003
CDD_MtrCurrK2_Amps_G_f32[0]	-35.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	30.6900005
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	220
CDD_MtrCurrQax_Amp_G_f32[0]	131.320007
CDD_MtrCurrQax_Amp_G_f32[1]	208.639999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5503
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	7901
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	3930
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	5470
CDD_PhaseAdvFinal_Cnt_G_u16[0]	2962
CDD_PhaseAdvFinal_Cnt_G_u16[1]	3974
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	4656
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	6592
CDD_SysCVSwitchADC_Cnt_G_u16[0]	100
CDD_SysCVSwitchADC_Cnt_G_u16[1]	150
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	24248
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	24248
PXAccumPrev_Cnt_M_u32[0]	238
PXAccumPrev_Cnt_M_u32[1]	480
PXAccumPrev_Cnt_M_u32[2]	44439
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	346033



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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[1]	18253	18253	✔
PXAccumPrev_Cnt_M_u32[2]	43254	43254	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	6592	6592	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.0091728	1.0091728 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00917292	2.00917292 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.52002	7714.52002	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.36000061	0.36000061	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	23593	23593	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0399932861	-0.0399932861 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	9210	9210	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	9023	9023	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	312	312	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	7901	7901	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2852	2852	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5470	5470	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	372	372	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	118013	118013	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17773	17773	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536869727	536869727	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	156	156	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	424	424	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.123886108	0.123901367 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	71.3799973	71.3799973	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	28.9300003	28.9300003	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	30.6900005	30.6900005	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	208.639999	208.639999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.369995117	0.369995117 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	24248	24248	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.1499
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	24248
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3276
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3932
CDD_Die1RxError_Cnt_G_u16[0]	2962
CDD_Die1RxError_Cnt_G_u16[1]	3974
CDD_Die1RxMtrPos_Cnt_G_u16[0]	214
CDD_Die1RxMtrPos_Cnt_G_u16[1]	312
CDD_Die1RxRevCtr_Cnt_G_u16[0]	230
CDD_Die1RxRevCtr_Cnt_G_u16[1]	424
CDD_Die2RxError_Cnt_G_u16[0]	238
CDD_Die2RxError_Cnt_G_u16[1]	480
CDD_Die2RxMtrPos_Cnt_G_u16[0]	6350
CDD_Die2RxMtrPos_Cnt_G_u16[1]	9210
CDD_Die2RxRevCtr_Cnt_G_u16[0]	222
CDD_Die2RxRevCtr_Cnt_G_u16[1]	368
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2357
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3039
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	238
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	480
CDD_ModIdxFinal_Uls_G_u16p16[0]	16121
CDD_ModIdxFinal_Uls_G_u16p16[1]	16128
CDD_MtrCurr1_Volts_G_f32[0]	0.00942759961
CDD_MtrCurr1_Volts_G_f32[1]	2.00942755
CDD_MtrCurr2_Volts_G_f32[0]	0.00942759961
CDD_MtrCurr2_Volts_G_f32[1]	1.00942755
CDD_MtrCurrDax_Amp_G_f32[0]	60.8100014
CDD_MtrCurrDax_Amp_G_f32[1]	74.1200027
CDD_MtrCurrK1_Amps_G_f32[0]	35.7400017
CDD_MtrCurrK1_Amps_G_f32[1]	29.7099991
CDD_MtrCurrK2_Amps_G_f32[0]	72.5
CDD_MtrCurrK2_Amps_G_f32[1]	93.2900009
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	0
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	0
CDD_MtrCurrQax_Amp_G_f32[0]	-204.639999
CDD_MtrCurrQax_Amp_G_f32[1]	-177.850006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5624
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	8088
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2357
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3039
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	100
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	150
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3083
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4161
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	6229
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	9023
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	4777
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	6779
CDD_SysCVSwitchADC_Cnt_G_u16[0]	126
CDD_SysCVSwitchADC_Cnt_G_u16[1]	156
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	24248
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	24903
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	24248
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	24903
PXAccumPrev_Cnt_M_u32[0]	246
PXAccumPrev_Cnt_M_u32[1]	536
PXAccumPrev_Cnt_M_u32[2]	45664
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146019
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146040

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18252	18252	✔
PXAccumPrev_Cnt_M_u32[1]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[2]	18255	18255	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4777	4777	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.00942759961	0.00942759961 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.00942759961	0.00942759961 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5503.1499	5503.1499	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.049987793	0.0500030518 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	214	214	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	230	230	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	238	238	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	6350	6350	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	222	222	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	5624	5624	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2357	2357	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	100	100	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	289	289	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18006	18006	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	42718	42718	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536843503	536843503	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	2357	2357	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	238	238	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.245986938	0.246002197 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	60.8100014	60.8100014	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	35.7400017	35.7400017	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	72.5	72.5	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	0	0	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-204.639999	-204.639999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	6229	6229	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.369995117	0.369995117 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	24248	24248	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.39 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.77979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	24248
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	24904
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4587
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-5242
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	222
CDD_Die1RxMtrPos_Cnt_G_u16[1]	368
CDD_Die1RxRevCtr_Cnt_G_u16[0]	238
CDD_Die1RxRevCtr_Cnt_G_u16[1]	480
CDD_Die2RxError_Cnt_G_u16[0]	2962
CDD_Die2RxError_Cnt_G_u16[1]	3974
CDD_Die2RxMtrPos_Cnt_G_u16[0]	214
CDD_Die2RxMtrPos_Cnt_G_u16[1]	312
CDD_Die2RxRevCtr_Cnt_G_u16[0]	230
CDD_Die2RxRevCtr_Cnt_G_u16[1]	424
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	142
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	158
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3974
CDD_ModIdxFinal_Uls_G_u16p16[0]	20493
CDD_ModIdxFinal_Uls_G_u16p16[1]	20499
CDD_MtrCurr1_Volts_G_f32[0]	1.00968242
CDD_MtrCurr1_Volts_G_f32[1]	2.00968242
CDD_MtrCurr2_Volts_G_f32[0]	1.00968242
CDD_MtrCurr2_Volts_G_f32[1]	2.00968242
CDD_MtrCurrDax_Amp_G_f32[0]	-76.8600006
CDD_MtrCurrDax_Amp_G_f32[1]	-62.4799995
CDD_MtrCurrK1_Amps_G_f32[0]	16.2199993
CDD_MtrCurrK1_Amps_G_f32[1]	17.2299995
CDD_MtrCurrK2_Amps_G_f32[0]	66.1999969
CDD_MtrCurrK2_Amps_G_f32[1]	88.0999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	176.169998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	213.800003
CDD_MtrCurrQax_Amp_G_f32[0]	136.520004
CDD_MtrCurrQax_Amp_G_f32[1]	212.479996
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5745
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	8275
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3226
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	126
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	156
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3204
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4348
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	6350
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	9210
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	4898
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	6966
CDD_SysCVSwitchADC_Cnt_G_u16[0]	134
CDD_SysCVSwitchADC_Cnt_G_u16[1]	157
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	25559
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	25559
PXAccumPrev_Cnt_M_u32[0]	254
PXAccumPrev_Cnt_M_u32[1]	592
PXAccumPrev_Cnt_M_u32[2]	46889
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	646047

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18253	18253	✓
PXAccumPrev_Cnt_M_u32[1]	18255	18255	✓
PXAccumPrev_Cnt_M_u32[2]	80755	80755	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	6966	6966	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00968242	2.00968242 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00968242	2.00968242 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.8501	8088.8501	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.380004883	0.380004883	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	24904	24904	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0799865723	-0.0800018311 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	368	368	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	480	480	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3974	3974	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	312	312	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	424	424	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	8275	8275	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3226	3226	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	156	156	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	407	407	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	17999	17999	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17663	17663	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	33866	33866	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	158	158	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3974	3974	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.312789917	0.312805176 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-62.4799995	-62.4799995	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	17.2299995	17.2299995	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	88.0999985	88.0999985	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	213.800003	213.800003	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	212.479996	212.479996	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	9210	9210	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	157	157	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.38999939	0.38999939 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	25559	25559	✓

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.40 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4656.77979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6592.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	25559
CDD_CumMechMtrPos_Rev_G_s15p16[0]	5898
CDD_CumMechMtrPos_Rev_G_s15p16[1]	655
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	230
CDD_Die1RxMtrPos_Cnt_G_u16[1]	424
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3974
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	222
CDD_Die2RxMtrPos_Cnt_G_u16[1]	368
CDD_Die2RxRevCtr_Cnt_G_u16[0]	238
CDD_Die2RxRevCtr_Cnt_G_u16[1]	480
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	159
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4161
CDD_ModIdxFinal_Uls_G_u16p16[0]	8087
CDD_ModIdxFinal_Uls_G_u16p16[1]	8093
CDD_MtrCurr1_Volts_G_f32[0]	2.00993729
CDD_MtrCurr1_Volts_G_f32[1]	1.00993717
CDD_MtrCurr2_Volts_G_f32[0]	2.00993729
CDD_MtrCurr2_Volts_G_f32[1]	1.00993717
CDD_MtrCurrDax_Amp_G_f32[0]	64.1500015
CDD_MtrCurrDax_Amp_G_f32[1]	79.5999985
CDD_MtrCurrK1_Amps_G_f32[0]	17.4400005
CDD_MtrCurrK1_Amps_G_f32[1]	18.0100002
CDD_MtrCurrK2_Amps_G_f32[0]	-32
CDD_MtrCurrK2_Amps_G_f32[1]	-28
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-35.7999992
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-30.6900005
CDD_MtrCurrQax_Amp_G_f32[0]	120.710999
CDD_MtrCurrQax_Amp_G_f32[1]	130.934006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5866
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	8462
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2599
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3413
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	134
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	157
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3325
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	214
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	312
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5019
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7153
CDD_SysCVSwitchADC_Cnt_G_u16[0]	142
CDD_SysCVSwitchADC_Cnt_G_u16[1]	158
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	26214
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	26214
PXAccumPrev_Cnt_M_u32[0]	262
PXAccumPrev_Cnt_M_u32[1]	648
PXAccumPrev_Cnt_M_u32[2]	48114
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146054



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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[1]	80755	80755	✔
PXAccumPrev_Cnt_M_u32[2]	18256	18256	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.00993717	1.00993717 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.00993717	1.00993717 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6592.50977	6592.50977	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.38999939	0.38999939	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	25559	25559	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00999450684	0.00999450684 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	8462	8462	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3413	3413	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	157	157	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	425	425	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	42992	42992	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	80107	80107	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536841054	536841054	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	159	159	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4161	4161	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.12348938	0.123504639 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	79.5999985	79.5999985	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	18.0100002	18.0100002	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-28	-28	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-30.6900005	-30.6900005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	130.934006	130.934006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	312	312	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.399993896	0.399993896 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	26214	26214	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.41 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4777.8501
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6779.58008
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	26214
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-7208
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-7864
CDD_Die1RxError_Cnt_G_u16[0]	3325
CDD_Die1RxError_Cnt_G_u16[1]	4535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	238
CDD_Die1RxMtrPos_Cnt_G_u16[1]	480
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	3204
CDD_Die2RxError_Cnt_G_u16[1]	4348
CDD_Die2RxMtrPos_Cnt_G_u16[0]	230
CDD_Die2RxMtrPos_Cnt_G_u16[1]	424
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3974
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	160
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4348
CDD_ModIdxFinal_Uls_G_u16p16[0]	16095
CDD_ModIdxFinal_Uls_G_u16p16[1]	16102
CDD_MtrCurr1_Volts_G_f32[0]	2.01019192
CDD_MtrCurr1_Volts_G_f32[1]	1.01019204
CDD_MtrCurr2_Volts_G_f32[0]	1.01019204
CDD_MtrCurr2_Volts_G_f32[1]	2.01019192
CDD_MtrCurrDax_Amp_G_f32[0]	65.8199997
CDD_MtrCurrDax_Amp_G_f32[1]	82.3399963
CDD_MtrCurrK1_Amps_G_f32[0]	-220
CDD_MtrCurrK1_Amps_G_f32[1]	-220
CDD_MtrCurrK2_Amps_G_f32[0]	6.26999998
CDD_MtrCurrK2_Amps_G_f32[1]	11.2799997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	131.320007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	208.639999
CDD_MtrCurrQax_Amp_G_f32[0]	144.751007
CDD_MtrCurrQax_Amp_G_f32[1]	155.233994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	5987
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	8649
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2720
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3600
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	142
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	158
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3446
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4722
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	222
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	368
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5140
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	7340
CDD_SysCVSwitchADC_Cnt_G_u16[0]	150
CDD_SysCVSwitchADC_Cnt_G_u16[1]	159
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	26214
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	26869
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	26214
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	26869
PXAccumPrev_Cnt_M_u32[0]	270
PXAccumPrev_Cnt_M_u32[1]	704
PXAccumPrev_Cnt_M_u32[2]	49339
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	846061

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18255	18255	✔
PXAccumPrev_Cnt_M_u32[1]	18256	18256	✔
PXAccumPrev_Cnt_M_u32[2]	105757	105757	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5140	5140	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01019192	2.01019192 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01019204	1.01019204 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4777.8501	4777.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.109985352	-0.11000061 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	238	238	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	230	230	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	5987	5987	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2720	2720	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	142	142	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	323	323	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	17985	17985	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17552	17552	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	56418	56418	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	158	158	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3204	3204	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.24559021	0.245605469 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	65.8199997	65.8199997	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-220	-220	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	6.26999998	6.26999998	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	131.320007	131.320007	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	144.751007	144.751007	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	222	222	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.399993896	0.399993896 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	26214	26214	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.42 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4898.12012
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6966.58008
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	26214
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	26870
CDD_CumMechMtrPos_Rev_G_s15p16[0]	8519
CDD_CumMechMtrPos_Rev_G_s15p16[1]	9175
CDD_Die1RxError_Cnt_G_u16[0]	3446
CDD_Die1RxError_Cnt_G_u16[1]	4722
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2962
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3974
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4348
CDD_Die2RxError_Cnt_G_u16[0]	3325
CDD_Die2RxError_Cnt_G_u16[1]	4535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	238
CDD_Die2RxMtrPos_Cnt_G_u16[1]	480
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4161
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	166
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	168
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3325
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4535
CDD_ModIdxFinal_Uls_G_u16p16[0]	20466
CDD_ModIdxFinal_Uls_G_u16p16[1]	20473
CDD_MtrCurr1_Volts_G_f32[0]	0.0104467999
CDD_MtrCurr1_Volts_G_f32[1]	2.01044679
CDD_MtrCurr2_Volts_G_f32[0]	0.0104467999
CDD_MtrCurr2_Volts_G_f32[1]	1.01044679
CDD_MtrCurrDax_Amp_G_f32[0]	67.4899979
CDD_MtrCurrDax_Amp_G_f32[1]	85.0800018
CDD_MtrCurrK1_Amps_G_f32[0]	220
CDD_MtrCurrK1_Amps_G_f32[1]	220
CDD_MtrCurrK2_Amps_G_f32[0]	34
CDD_MtrCurrK2_Amps_G_f32[1]	54
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-204.639999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-177.850006
CDD_MtrCurrQax_Amp_G_f32[0]	-168.791
CDD_MtrCurrQax_Amp_G_f32[1]	-159.533997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	6108
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	8836
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2841
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3787
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	150
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	159
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3567
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4909
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	230
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	424
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5624
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8088
CDD_SysCVSwitchADC_Cnt_G_u16[0]	158
CDD_SysCVSwitchADC_Cnt_G_u16[1]	160
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	27525
PXAccumPrev_Cnt_M_u32[0]	6567
PXAccumPrev_Cnt_M_u32[1]	8910
PXAccumPrev_Cnt_M_u32[2]	50564
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146068

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_u32	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80755	80755	✔
PXAccumPrev_Cnt_M_u32[1]	105757	105757	✔
PXAccumPrev_Cnt_M_u32[2]	18258	18258	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8088	8088	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01044679	2.01044679 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01044679	1.01044679 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6966.58008	6966.58008	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.410003662	0.410003662	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	26870	26870	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.13999939	0.13999939 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	8836	8836	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3787	3787	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	159	159	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	460	460	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	74188	74188	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	96847	96847	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536838606	536838606	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	168	168	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4535	4535	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.312393188	0.312393188 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	85.0800018	85.0800018	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	54	54	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-177.850006	-177.850006	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-159.533997	-159.533997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	160	160	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.419998169	0.419998169 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	27525	27525	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.43 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5019.12012
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7153.83984
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-9830
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-10485
CDD_Die1RxError_Cnt_G_u16[0]	3567
CDD_Die1RxError_Cnt_G_u16[1]	4909
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4535
CDD_Die2RxError_Cnt_G_u16[0]	3446
CDD_Die2RxError_Cnt_G_u16[1]	4722
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2962
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3974
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4348
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	174
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	176
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3446
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4722
CDD_ModIdxFinal_Uls_G_u16p16[0]	26941
CDD_ModIdxFinal_Uls_G_u16p16[1]	26948
CDD_MtrCurr1_Volts_G_f32[0]	1.01070166
CDD_MtrCurr1_Volts_G_f32[1]	4.01070166
CDD_MtrCurr2_Volts_G_f32[0]	1.01070166
CDD_MtrCurr2_Volts_G_f32[1]	4.01070166
CDD_MtrCurrDax_Amp_G_f32[0]	-87.8199997
CDD_MtrCurrDax_Amp_G_f32[1]	-69.1600037
CDD_MtrCurrK1_Amps_G_f32[0]	0
CDD_MtrCurrK1_Amps_G_f32[1]	0
CDD_MtrCurrK2_Amps_G_f32[0]	59.2700005
CDD_MtrCurrK2_Amps_G_f32[1]	67.8899994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	136.520004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	212.479996
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	6229
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	9023
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	192
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	158
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	160
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3688
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5096
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	238
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	480
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5745
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8275
CDD_SysCVSwitchADC_Cnt_G_u16[0]	166
CDD_SysCVSwitchADC_Cnt_G_u16[1]	168
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28180
PXAccumPrev_Cnt_M_u32[0]	7688
PXAccumPrev_Cnt_M_u32[1]	9097
PXAccumPrev_Cnt_M_u32[2]	51789
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146068
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	545942

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18256	18256	✔
PXAccumPrev_Cnt_M_u32[1]	18258	18258	✔
PXAccumPrev_Cnt_M_u32[2]	68242	68242	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01070166	4.01070166 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01070166	4.01070166 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7153.83984	7153.83984	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.419998169	0.419998169	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	27525	27525	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.159988403	-0.160003662 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	9023	9023	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	192	192	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	160	160	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	477	477	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	10568	10568	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9161	9161	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	16453	16453	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	176	176	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.411193848	0.411193848 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-69.1600037	-69.1600037	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	0	0	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	67.8899994	67.8899994	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	212.479996	212.479996	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.429992676	0.429992676 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	28180	28180	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.44 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.75
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_CumMechMtrPos_Rev_G_s15p16[0]	30801
CDD_CumMechMtrPos_Rev_G_s15p16[1]	31457
CDD_Die1RxError_Cnt_G_u16[0]	3688
CDD_Die1RxError_Cnt_G_u16[1]	5096
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3446
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4722
CDD_Die2RxError_Cnt_G_u16[0]	3567
CDD_Die2RxError_Cnt_G_u16[1]	4909
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	182
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	184
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3567
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4909
CDD_ModIdxFinal_Uls_G_u16p16[0]	34281
CDD_ModIdxFinal_Uls_G_u16p16[1]	34288
CDD_MtrCurr1_Volts_G_f32[0]	2.01095629
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641
CDD_MtrCurr2_Volts_G_f32[0]	1.01095641
CDD_MtrCurr2_Volts_G_f32[1]	2.01095629
CDD_MtrCurrDax_Amp_G_f32[0]	70.8300018
CDD_MtrCurrDax_Amp_G_f32[1]	90.5599976
CDD_MtrCurrK1_Amps_G_f32[0]	13.7799997
CDD_MtrCurrK1_Amps_G_f32[1]	15.6700001
CDD_MtrCurrK2_Amps_G_f32[0]	10.25
CDD_MtrCurrK2_Amps_G_f32[1]	15.3599997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	120.710999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	130.934006
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	6350
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	9210
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	2962
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	3974
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	166
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	168
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3809
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5283
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2962
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3974
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5745
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8275
CDD_SysCVSwitchADC_Cnt_G_u16[0]	174
CDD_SysCVSwitchADC_Cnt_G_u16[1]	176
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28835
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28835
PXAccumPrev_Cnt_M_u32[0]	4656
PXAccumPrev_Cnt_M_u32[1]	6592
PXAccumPrev_Cnt_M_u32[2]	53014
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	445928
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145949



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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	105757	105757	✔
PXAccumPrev_Cnt_M_u32[1]	55741	55741	✔
PXAccumPrev_Cnt_M_u32[2]	18243	18243	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5745	5745	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01095629	2.01095629 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.75	5140.75	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.469985962	0.470001221 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	6350	6350	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	2962	2962	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	166	166	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	357	357	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	101101	101101	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	49149	49149	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536836141	536836141	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	182	182	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3567	3567	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.523086548	0.523101807 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	70.8300018	70.8300018	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	13.7799997	13.7799997	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	10.25	10.25	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	120.710999	120.710999	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	141.156998	141.156998	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.429992676	0.429992676 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	28180	28180	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.45 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5261.18018
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7527.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3211
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3276
CDD_Die1RxError_Cnt_G_u16[0]	3809
CDD_Die1RxError_Cnt_G_u16[1]	5283
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3567
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4909
CDD_Die2RxError_Cnt_G_u16[0]	3688
CDD_Die2RxError_Cnt_G_u16[1]	5096
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3446
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4722
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	190
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	192
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3688
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5096
CDD_ModIdxFinal_Uls_G_u16p16[0]	10819
CDD_ModIdxFinal_Uls_G_u16p16[1]	10826
CDD_MtrCurr1_Volts_G_f32[0]	2.01121116
CDD_MtrCurr1_Volts_G_f32[1]	1.01121116
CDD_MtrCurr2_Volts_G_f32[0]	1.01121116
CDD_MtrCurr2_Volts_G_f32[1]	2.01121116
CDD_MtrCurrDax_Amp_G_f32[0]	72.5
CDD_MtrCurrDax_Amp_G_f32[1]	93.2900009
CDD_MtrCurrK1_Amps_G_f32[0]	-15
CDD_MtrCurrK1_Amps_G_f32[1]	-16.4500008
CDD_MtrCurrK2_Amps_G_f32[0]	25.3600006
CDD_MtrCurrK2_Amps_G_f32[1]	35.8899994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	144.751007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	155.233994
CDD_MtrCurrQax_Amp_G_f32[0]	100.264999
CDD_MtrCurrQax_Amp_G_f32[1]	110.487999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	214
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	312
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3083
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4161
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	174
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	176
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3930
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5470
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5628
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8097
CDD_SysCVSwitchADC_Cnt_G_u16[0]	182
CDD_SysCVSwitchADC_Cnt_G_u16[1]	184
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	29491
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	29491
PXAccumPrev_Cnt_M_u32[0]	4777
PXAccumPrev_Cnt_M_u32[1]	6779
PXAccumPrev_Cnt_M_u32[2]	54239
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146068
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145935
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145956

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18258	18258	✓
PXAccumPrev_Cnt_M_u32[1]	18241	18241	✓
PXAccumPrev_Cnt_M_u32[2]	18244	18244	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	8097	8097	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01121116	1.01121116 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01121116	2.01121116 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7527.8501	7527.8501	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.440002441	0.440002441	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28836	28836	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.049987793	-0.0500030518 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5283	5283	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4909	4909	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5096	5096	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4348	4348	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4722	4722	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	312	312	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4161	4161	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	176	176	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	512	512	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13481	13481	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11462	11462	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536834917	536834917	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	192	192	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5096	5096	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16519165	0.165206909 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	93.2900009	93.2900009	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-16.4500008	-16.4500008	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	35.8899994	35.8899994	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	155.233994	155.233994	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	110.487999	110.487999	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	184	184	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.449996948	0.449996948 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	29491	29491	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.46 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.95996
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	29491
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3342
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3407
CDD_Die1RxError_Cnt_G_u16[0]	3930
CDD_Die1RxError_Cnt_G_u16[1]	5470
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3446
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4722
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5096
CDD_Die2RxError_Cnt_G_u16[0]	3809
CDD_Die2RxError_Cnt_G_u16[1]	5283
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3567
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4909
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	198
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	200
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3809
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5283
CDD_ModIdxFinal_Uls_G_u16p16[0]	15165
CDD_ModIdxFinal_Uls_G_u16p16[1]	15171
CDD_MtrCurr1_Volts_G_f32[0]	0.0114660002
CDD_MtrCurr1_Volts_G_f32[1]	2.01146603
CDD_MtrCurr2_Volts_G_f32[0]	0.0114660002
CDD_MtrCurr2_Volts_G_f32[1]	1.01146603
CDD_MtrCurrDax_Amp_G_f32[0]	74.1699982
CDD_MtrCurrDax_Amp_G_f32[1]	96.0390015
CDD_MtrCurrK1_Amps_G_f32[0]	-22.6900005
CDD_MtrCurrK1_Amps_G_f32[1]	-24.7600002
CDD_MtrCurrK2_Amps_G_f32[0]	-220
CDD_MtrCurrK2_Amps_G_f32[1]	-220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-168.791
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-159.533997
CDD_MtrCurrQax_Amp_G_f32[0]	-134.268005
CDD_MtrCurrQax_Amp_G_f32[1]	-123.785004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	222
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	368
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	182
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	184
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3889
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5287
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2599
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3413
CDD_SysCVSwitchADC_Cnt_G_u16[0]	190
CDD_SysCVSwitchADC_Cnt_G_u16[1]	192
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	29491
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	30147
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	29491
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	30147
PXAccumPrev_Cnt_M_u32[0]	4898
PXAccumPrev_Cnt_M_u32[1]	6966
PXAccumPrev_Cnt_M_u32[2]	55464
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	645963

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[1]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[2]	80745	80745	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3413	3413	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01146603	2.01146603 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01146603	1.01146603 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.95996	7714.95996	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.449996948	0.449996948	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	29491	29491	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0519866943	0.0520019531 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	368	368	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	184	184	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	495	495	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	63344	63344	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	61276	61276	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	25281	25281	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	200	200	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5283	5283	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.231491089	0.231506348 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	96.0390015	96.0390015	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-24.7600002	-24.7600002	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-220	-220	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-159.533997	-159.533997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-123.785004	-123.785004	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.460006714	0.460006714 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	30147	30147	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.47 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.77979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	29491
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	30146
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3473
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3538
CDD_Die1RxError_Cnt_G_u16[0]	100
CDD_Die1RxError_Cnt_G_u16[1]	150
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5283
CDD_Die2RxError_Cnt_G_u16[0]	3930
CDD_Die2RxError_Cnt_G_u16[1]	5470
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3446
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4722
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5096
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	206
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	256
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3930
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5470
CDD_ModIdxFinal_Uls_G_u16p16[0]	24123
CDD_ModIdxFinal_Uls_G_u16p16[1]	24130
CDD_MtrCurr1_Volts_G_f32[0]	1.01172078
CDD_MtrCurr1_Volts_G_f32[1]	2.0117209
CDD_MtrCurr2_Volts_G_f32[0]	1.01172078
CDD_MtrCurr2_Volts_G_f32[1]	2.0117209
CDD_MtrCurrDax_Amp_G_f32[0]	30.8600006
CDD_MtrCurrDax_Amp_G_f32[1]	26.5900002
CDD_MtrCurrK1_Amps_G_f32[0]	25.9799995
CDD_MtrCurrK1_Amps_G_f32[1]	23.4699993
CDD_MtrCurrK2_Amps_G_f32[0]	220
CDD_MtrCurrK2_Amps_G_f32[1]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	192.830994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	203.834
CDD_MtrCurrQax_Amp_G_f32[0]	147.304993
CDD_MtrCurrQax_Amp_G_f32[1]	158.048004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	230
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	424
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	192
CDD_PhaseAdvFinal_Cnt_G_u16[0]	4530
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5471
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2720
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3600
CDD_SysCVSwitchADC_Cnt_G_u16[0]	198
CDD_SysCVSwitchADC_Cnt_G_u16[1]	200
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	30147
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	30801
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	30147
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	30801
PXAccumPrev_Cnt_M_u32[0]	5019
PXAccumPrev_Cnt_M_u32[1]	7153
PXAccumPrev_Cnt_M_u32[2]	56689
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145970



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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[1]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[2]	18246	18246	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	2720	2720	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01172078	1.01172078 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01172078	1.01172078 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5503.16992	5503.16992	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.449996948	0.449996948	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	29491	29491	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0529937744	-0.0529937744 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	230	230	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	190	190	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	424	424	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13224	13224	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11090	11090	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536832469	536832469	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	206	206	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3930	3930	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.368087769	0.368103027 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	30.8600006	30.8600006	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	25.9799995	25.9799995	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	220	220	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	192.830994	192.830994	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	147.304993	147.304993	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.460006714	0.460006714 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	30147	30147	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.48 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	30146
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	30802
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3604
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3670
CDD_Die1RxError_Cnt_G_u16[0]	126
CDD_Die1RxError_Cnt_G_u16[1]	156
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5470
CDD_Die2RxError_Cnt_G_u16[0]	100
CDD_Die2RxError_Cnt_G_u16[1]	150
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5283
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5866
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8462
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	100
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	150
CDD_ModIdxFinal_Uls_G_u16p16[0]	32073
CDD_ModIdxFinal_Uls_G_u16p16[1]	32079
CDD_MtrCurr1_Volts_G_f32[0]	2.01197553
CDD_MtrCurr1_Volts_G_f32[1]	1.01197565
CDD_MtrCurr2_Volts_G_f32[0]	2.01197553
CDD_MtrCurr2_Volts_G_f32[1]	1.01197565
CDD_MtrCurrDax_Amp_G_f32[0]	72.3700027
CDD_MtrCurrDax_Amp_G_f32[1]	88.3199997
CDD_MtrCurrK1_Amps_G_f32[0]	27.2000008
CDD_MtrCurrK1_Amps_G_f32[1]	24.25
CDD_MtrCurrK2_Amps_G_f32[0]	0
CDD_MtrCurrK2_Amps_G_f32[1]	0
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	141.156998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	151.380005
CDD_MtrCurrQax_Amp_G_f32[0]	-181.828003
CDD_MtrCurrQax_Amp_G_f32[1]	-170.824997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	238
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	480
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3446
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4722
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	198
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	200
CDD_PhaseAdvFinal_Cnt_G_u16[0]	222
CDD_PhaseAdvFinal_Cnt_G_u16[1]	368
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3446
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4722
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2841
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3787
CDD_SysCVSwitchADC_Cnt_G_u16[0]	206
CDD_SysCVSwitchADC_Cnt_G_u16[1]	256
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	31457
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	31457
PXAccumPrev_Cnt_M_u32[0]	5140
PXAccumPrev_Cnt_M_u32[1]	7340
PXAccumPrev_Cnt_M_u32[2]	57914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145977

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[1]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[2]	18247	18247	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01197565	1.01197565 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01197565	1.01197565 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.27979	8088.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.470001221	0.470001221	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	30802	30802	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0559997559	0.0559997559 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	480	480	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	200	200	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	34	34	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13104	13104	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10904	10904	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536831245	536831245	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8462	8462	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	150	150	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.489486694	0.489501953 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	88.3199997	88.3199997	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	24.25	24.25	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	0	0	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-170.824997	-170.824997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.479995728	0.479995728 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	31457	31457	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.49 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5745.14014
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8275.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	31457
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3735
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3801
CDD_Die1RxError_Cnt_G_u16[0]	2357
CDD_Die1RxError_Cnt_G_u16[1]	3039
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3809
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5283
CDD_Die1RxRevCtr_Cnt_G_u16[0]	100
CDD_Die1RxRevCtr_Cnt_G_u16[1]	150
CDD_Die2RxError_Cnt_G_u16[0]	126
CDD_Die2RxError_Cnt_G_u16[1]	156
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5470
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5987
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8649
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	126
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	156
CDD_ModIdxFinal_Uls_G_u16p16[0]	16108
CDD_ModIdxFinal_Uls_G_u16p16[1]	16115
CDD_MtrCurr1_Volts_G_f32[0]	4.0122304
CDD_MtrCurr1_Volts_G_f32[1]	1.0122304
CDD_MtrCurr2_Volts_G_f32[0]	4.0122304
CDD_MtrCurr2_Volts_G_f32[1]	2.0122304
CDD_MtrCurrDax_Amp_G_f32[0]	-35.7999992
CDD_MtrCurrDax_Amp_G_f32[1]	30.6900005
CDD_MtrCurrK1_Amps_G_f32[0]	28.4200001
CDD_MtrCurrK1_Amps_G_f32[1]	25.0300007
CDD_MtrCurrK2_Amps_G_f32[0]	13.7799997
CDD_MtrCurrK2_Amps_G_f32[1]	15.6700001
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	100.264999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	110.487999
CDD_MtrCurrQax_Amp_G_f32[0]	194.345001
CDD_MtrCurrQax_Amp_G_f32[1]	205.608002
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	246
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	536
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3567
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4909
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	206
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	256
CDD_PhaseAdvFinal_Cnt_G_u16[0]	230
CDD_PhaseAdvFinal_Cnt_G_u16[1]	424
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3567
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4909
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2841
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3787
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5866
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8462
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	31457
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	32113
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	31457
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	32113
PXAccumPrev_Cnt_M_u32[0]	5261
PXAccumPrev_Cnt_M_u32[1]	7527
PXAccumPrev_Cnt_M_u32[2]	59139
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[1]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3787	3787	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.0122304	1.0122304 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.0122304	2.0122304 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8275.25	8275.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.479995728	0.479995728	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	31457	31457	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0579986572	-0.0579986572 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	536	536	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4909	4909	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	256	256	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	39	39	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	75484	75484	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	73218	73218	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	46609	46609	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8649	8649	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	156	156	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.245895386	0.245895386 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	30.6900005	30.6900005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	25.0300007	25.0300007	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	15.6700001	15.6700001	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	110.487999	110.487999	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	205.608002	205.608002	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8462	8462	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.490005493	0.490005493 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	32113	32113	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.50 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5628.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8097.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	31457
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	32112
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3866
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3932
CDD_Die1RxError_Cnt_G_u16[0]	142
CDD_Die1RxError_Cnt_G_u16[1]	158
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die1RxRevCtr_Cnt_G_u16[0]	126
CDD_Die1RxRevCtr_Cnt_G_u16[1]	156
CDD_Die2RxError_Cnt_G_u16[0]	2357
CDD_Die2RxError_Cnt_G_u16[1]	3039
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3809
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5283
CDD_Die2RxRevCtr_Cnt_G_u16[0]	100
CDD_Die2RxRevCtr_Cnt_G_u16[1]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6108
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8836
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2357
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3039
CDD_ModIdxFinal_Uls_G_u16p16[0]	27020
CDD_ModIdxFinal_Uls_G_u16p16[1]	27027
CDD_MtrCurr1_Volts_G_f32[0]	0.0124851996
CDD_MtrCurr1_Volts_G_f32[1]	2.01248527
CDD_MtrCurr2_Volts_G_f32[0]	0.0124851996
CDD_MtrCurr2_Volts_G_f32[1]	1.01248515
CDD_MtrCurrDax_Amp_G_f32[0]	-78.0100021
CDD_MtrCurrDax_Amp_G_f32[1]	67.4800034
CDD_MtrCurrK1_Amps_G_f32[0]	75.8399963
CDD_MtrCurrK1_Amps_G_f32[1]	98.7699966
CDD_MtrCurrK2_Amps_G_f32[0]	-15
CDD_MtrCurrK2_Amps_G_f32[1]	-16.4500008
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-134.268005
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-123.785004
CDD_MtrCurrQax_Amp_G_f32[0]	120.710999
CDD_MtrCurrQax_Amp_G_f32[1]	130.934006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	254
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	592
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3688
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5096
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5866
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8462
CDD_PhaseAdvFinal_Cnt_G_u16[0]	238
CDD_PhaseAdvFinal_Cnt_G_u16[1]	480
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3688
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5096
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	190
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	192
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5987
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8649
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	32113
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	32768
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	32113
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	32768
PXAccumPrev_Cnt_M_u32[0]	5382
PXAccumPrev_Cnt_M_u32[1]	7714
PXAccumPrev_Cnt_M_u32[2]	60364
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145991

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[1]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[2]	18248	18248	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	190	190	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0124851996	0.0124851996 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0124851996	0.0124851996 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5628.27979	5628.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.479995728	0.479995728	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	31457	31457	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0589904785	0.0590057373 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	142	142	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	254	254	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3688	3688	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5866	5866	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	22	22	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12864	12864	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10532	10532	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536828796	536828796	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6108	6108	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	2357	2357	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.41229248	0.41229248 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-78.0100021	-78.0100021	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	75.8399963	75.8399963	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-15	-15	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-134.268005	-134.268005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	120.710999	120.710999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5987	5987	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.490005493	0.490005493 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	32113	32113	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.51 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2599.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3413.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	32112
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	32768
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3997
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4063
CDD_Die1RxError_Cnt_G_u16[0]	150
CDD_Die1RxError_Cnt_G_u16[1]	159
CDD_Die1RxMtrPos_Cnt_G_u16[0]	100
CDD_Die1RxMtrPos_Cnt_G_u16[1]	150
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3039
CDD_Die2RxError_Cnt_G_u16[0]	142
CDD_Die2RxError_Cnt_G_u16[1]	158
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die2RxRevCtr_Cnt_G_u16[0]	126
CDD_Die2RxRevCtr_Cnt_G_u16[1]	156
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6229
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9023
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	142
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	158
CDD_ModIdxFinal_Uls_G_u16p16[0]	34360
CDD_ModIdxFinal_Uls_G_u16p16[1]	34367
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237
CDD_MtrCurr1_Volts_G_f32[1]	2.01605248
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237
CDD_MtrCurr2_Volts_G_f32[1]	2.01605248
CDD_MtrCurrDax_Amp_G_f32[0]	10.2299995
CDD_MtrCurrDax_Amp_G_f32[1]	20.5599995
CDD_MtrCurrK1_Amps_G_f32[0]	-63.7799988
CDD_MtrCurrK1_Amps_G_f32[1]	-56.2299995
CDD_MtrCurrK2_Amps_G_f32[0]	72.3700027
CDD_MtrCurrK2_Amps_G_f32[1]	88.3199997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	147.304993
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	158.048004
CDD_MtrCurrQax_Amp_G_f32[0]	144.751007
CDD_MtrCurrQax_Amp_G_f32[1]	155.233994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	0
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	0
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3809
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5283
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5987
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8649
CDD_PhaseAdvFinal_Cnt_G_u16[0]	2962
CDD_PhaseAdvFinal_Cnt_G_u16[1]	3974
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3809
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5283
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3204
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4348
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6108
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8836
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	33423
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	33423
PXAccumPrev_Cnt_M_u32[0]	5503
PXAccumPrev_Cnt_M_u32[1]	7901
PXAccumPrev_Cnt_M_u32[2]	61589
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3413.25	3413.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.5	0.5	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	32768	32768	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.06199646	0.06199646 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	159	159	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	0	0	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	5283	5283	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8649	8649	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	372	372	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12744	12744	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10346	10346	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536827572	536827572	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9023	9023	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	158	158	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524398804	0.524398804 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	20.5599995	20.5599995	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-56.2299995	-56.2299995	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	88.3199997	88.3199997	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	158.048004	158.048004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	155.233994	155.233994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8836	8836	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.509994507	0.509994507 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	33423	33423	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.52 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2720.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3600.28003
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	33423
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4128
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4194
CDD_Die1RxError_Cnt_G_u16[0]	158
CDD_Die1RxError_Cnt_G_u16[1]	160
CDD_Die1RxMtrPos_Cnt_G_u16[0]	126
CDD_Die1RxMtrPos_Cnt_G_u16[1]	156
CDD_Die1RxRevCtr_Cnt_G_u16[0]	142
CDD_Die1RxRevCtr_Cnt_G_u16[1]	158
CDD_Die2RxError_Cnt_G_u16[0]	150
CDD_Die2RxError_Cnt_G_u16[1]	159
CDD_Die2RxMtrPos_Cnt_G_u16[0]	100
CDD_Die2RxMtrPos_Cnt_G_u16[1]	150
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3039
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6350
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9210
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	150
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	159
CDD_ModIdxFinal_Uls_G_u16p16[0]	10898
CDD_ModIdxFinal_Uls_G_u16p16[1]	10905
CDD_MtrCurr1_Volts_G_f32[0]	2.01299477
CDD_MtrCurr1_Volts_G_f32[1]	1.01299477
CDD_MtrCurr2_Volts_G_f32[0]	2.01299477
CDD_MtrCurr2_Volts_G_f32[1]	1.01299477
CDD_MtrCurrDax_Amp_G_f32[0]	15.7799997
CDD_MtrCurrDax_Amp_G_f32[1]	25.2299995
CDD_MtrCurrK1_Amps_G_f32[0]	12.5600004
CDD_MtrCurrK1_Amps_G_f32[1]	14.8900003
CDD_MtrCurrK2_Amps_G_f32[0]	-35.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	30.6900005
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-181.828003
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-170.824997
CDD_MtrCurrQax_Amp_G_f32[0]	-168.791
CDD_MtrCurrQax_Amp_G_f32[1]	-159.533997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	200000
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3930
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5470
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6108
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8836
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3083
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4161
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3930
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5470
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3325
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6229
CDD_SysCVSwitchADC_Cnt_G_u16[1]	9023
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	33423
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	34079
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	33423
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	34079
PXAccumPrev_Cnt_M_u32[0]	5624
PXAccumPrev_Cnt_M_u32[1]	8088
PXAccumPrev_Cnt_M_u32[2]	62814
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146005

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	105748	105748	✓
PXAccumPrev_Cnt_M_u32[1]	105748	105748	✓
PXAccumPrev_Cnt_M_u32[2]	18250	18250	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01299477	1.01299477 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01299477	1.01299477 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3600.28003	3600.28003	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.509994507	0.509994507	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	33423	33423	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0639953613	-0.0639953613 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	160	160	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	156	156	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	158	158	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	159	159	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	200000	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	5470	5470	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8836	8836	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	390	390	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	100124	100124	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	97660	97660	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536826348	536826348	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9210	9210	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	159	159	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.166397095	0.166397095 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	25.2299995	25.2299995	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	14.8900003	14.8900003	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	30.6900005	30.6900005	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-170.824997	-170.824997	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-159.533997	-159.533997	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	9023	9023	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.520004272	0.520004272 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	34079	34079	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.53 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2841.84009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3787.28003
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	33423
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	34078
CDD_CumMechMtrPos_Rev_G_s15p16[0]	425
CDD_CumMechMtrPos_Rev_G_s15p16[1]	432
CDD_Die1RxError_Cnt_G_u16[0]	166
CDD_Die1RxError_Cnt_G_u16[1]	168
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die1RxRevCtr_Cnt_G_u16[0]	150
CDD_Die1RxRevCtr_Cnt_G_u16[1]	159
CDD_Die2RxError_Cnt_G_u16[0]	158
CDD_Die2RxError_Cnt_G_u16[1]	160
CDD_Die2RxMtrPos_Cnt_G_u16[0]	126
CDD_Die2RxMtrPos_Cnt_G_u16[1]	156
CDD_Die2RxRevCtr_Cnt_G_u16[0]	142
CDD_Die2RxRevCtr_Cnt_G_u16[1]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	214
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	312
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	158
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	160
CDD_ModIdxFinal_Uls_G_u16p16[0]	15243
CDD_ModIdxFinal_Uls_G_u16p16[1]	15250
CDD_MtrCurr1_Volts_G_f32[0]	2.01324964
CDD_MtrCurr1_Volts_G_f32[1]	1.01324964
CDD_MtrCurr2_Volts_G_f32[0]	1.01324964
CDD_MtrCurr2_Volts_G_f32[1]	2.01324964
CDD_MtrCurrDax_Amp_G_f32[0]	66.1999969
CDD_MtrCurrDax_Amp_G_f32[1]	88.0999985
CDD_MtrCurrK1_Amps_G_f32[0]	29.6399994
CDD_MtrCurrK1_Amps_G_f32[1]	25.8099995
CDD_MtrCurrK2_Amps_G_f32[0]	-78.0100021
CDD_MtrCurrK2_Amps_G_f32[1]	67.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	194.345001
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	205.608002
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2962
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	3974
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	4051
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5657
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6229
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	9023
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3204
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4348
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	100
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	150
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3446
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4722
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6350
CDD_SysCVSwitchADC_Cnt_G_u16[1]	9210
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	34734
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	34734
PXAccumPrev_Cnt_M_u32[0]	5745
PXAccumPrev_Cnt_M_u32[1]	8275
PXAccumPrev_Cnt_M_u32[2]	64039
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	946012

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[2]	118251	118251	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01324964	2.01324964 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01324964	1.01324964 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	2841.84009	2841.84009	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.509994507	0.509994507	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	33423	33423	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00648498535	0.00650024414 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	142	142	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2962	2962	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4051	4051	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6229	6229	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	300	300	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12503	12503	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9973	9973	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	54212	54212	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	214	214	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	158	158	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232589722	0.23260498 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	66.1999969	66.1999969	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	29.6399994	29.6399994	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-78.0100021	-78.0100021	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	194.345001	194.345001	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	192.830994	192.830994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6350	6350	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.54 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	190.257996
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	192.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	34734
CDD_CumMechMtrPos_Rev_G_s15p16[0]	4390
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4456
CDD_Die1RxError_Cnt_G_u16[0]	174
CDD_Die1RxError_Cnt_G_u16[1]	176
CDD_Die1RxMtrPos_Cnt_G_u16[0]	142
CDD_Die1RxMtrPos_Cnt_G_u16[1]	158
CDD_Die1RxRevCtr_Cnt_G_u16[0]	158
CDD_Die1RxRevCtr_Cnt_G_u16[1]	160
CDD_Die2RxError_Cnt_G_u16[0]	166
CDD_Die2RxError_Cnt_G_u16[1]	168
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die2RxRevCtr_Cnt_G_u16[0]	150
CDD_Die2RxRevCtr_Cnt_G_u16[1]	159
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	222
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	368
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	166
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	168
CDD_ModIdxFinal_Uls_G_u16p16[0]	24202
CDD_ModIdxFinal_Uls_G_u16p16[1]	24208
CDD_MtrCurr1_Volts_G_f32[0]	0.0135043999
CDD_MtrCurr1_Volts_G_f32[1]	2.01350451
CDD_MtrCurr2_Volts_G_f32[0]	0.0135043999
CDD_MtrCurr2_Volts_G_f32[1]	1.01350439
CDD_MtrCurrDax_Amp_G_f32[0]	-32
CDD_MtrCurrDax_Amp_G_f32[1]	-28
CDD_MtrCurrK1_Amps_G_f32[0]	30.8600006
CDD_MtrCurrK1_Amps_G_f32[1]	26.5900002
CDD_MtrCurrK2_Amps_G_f32[0]	10.2299995
CDD_MtrCurrK2_Amps_G_f32[1]	20.5599995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	120.710999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	130.934006
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	0
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	0
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6350
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	9210
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3325
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	126
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	156
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3567
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4909
CDD_SysCVSwitchADC_Cnt_G_u16[0]	214
CDD_SysCVSwitchADC_Cnt_G_u16[1]	312
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	35389
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	35389
PXAccumPrev_Cnt_M_u32[0]	3325
PXAccumPrev_Cnt_M_u32[1]	4535
PXAccumPrev_Cnt_M_u32[2]	65264
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146019

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[1]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[2]	18252	18252	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01350451	2.01350451 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01350439	1.01350439 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	192.25	192.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.529998779	0.529998779	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	34734	34734	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0679931641	0.0679931641 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	160	160	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	159	159	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	816	816	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	0	0	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	9210	9210	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	425	425	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14924	14924	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	13714	13714	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536823900	536823900	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	368	368	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	168	168	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.369384766	0.369400024 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-28	-28	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	26.5900002	26.5900002	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	20.5599995	20.5599995	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	130.934006	130.934006	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	312	312	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.539993286	0.539993286 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	35389	35389	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.55 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.28711
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	35389
CDD_CumMechMtrPos_Rev_G_s15p16[0]	4521
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4587
CDD_Die1RxError_Cnt_G_u16[0]	182
CDD_Die1RxError_Cnt_G_u16[1]	184
CDD_Die1RxMtrPos_Cnt_G_u16[0]	150
CDD_Die1RxMtrPos_Cnt_G_u16[1]	159
CDD_Die1RxRevCtr_Cnt_G_u16[0]	166
CDD_Die1RxRevCtr_Cnt_G_u16[1]	168
CDD_Die2RxError_Cnt_G_u16[0]	174
CDD_Die2RxError_Cnt_G_u16[1]	176
CDD_Die2RxMtrPos_Cnt_G_u16[0]	142
CDD_Die2RxMtrPos_Cnt_G_u16[1]	158
CDD_Die2RxRevCtr_Cnt_G_u16[0]	158
CDD_Die2RxRevCtr_Cnt_G_u16[1]	160
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2236
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	2852
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	174
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	176
CDD_ModIdxFinal_Uls_G_u16p16[0]	32151
CDD_ModIdxFinal_Uls_G_u16p16[1]	32158
CDD_MtrCurr1_Volts_G_f32[0]	1.01375926
CDD_MtrCurr1_Volts_G_f32[1]	2.01375914
CDD_MtrCurr2_Volts_G_f32[0]	1.01375926
CDD_MtrCurr2_Volts_G_f32[1]	2.01375914
CDD_MtrCurrDax_Amp_G_f32[0]	6.26999998
CDD_MtrCurrDax_Amp_G_f32[1]	11.2799997
CDD_MtrCurrK1_Amps_G_f32[0]	-27.3700008
CDD_MtrCurrK1_Amps_G_f32[1]	-32.0800018
CDD_MtrCurrK2_Amps_G_f32[0]	15.7799997
CDD_MtrCurrK2_Amps_G_f32[1]	25.2299995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	144.751007
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	155.233994
CDD_MtrCurrQax_Amp_G_f32[0]	-176.199997
CDD_MtrCurrQax_Amp_G_f32[1]	-165.716995
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	294
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	872
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	200000
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	214
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	312
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3446
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4722
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2357
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3039
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3688
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5096
CDD_SysCVSwitchADC_Cnt_G_u16[0]	222
CDD_SysCVSwitchADC_Cnt_G_u16[1]	368
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	35389
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	36045
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	35389
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	36045
PXAccumPrev_Cnt_M_u32[0]	3446
PXAccumPrev_Cnt_M_u32[1]	4722
PXAccumPrev_Cnt_M_u32[2]	66489
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146005
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146005
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146026

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18250	18250	✔
PXAccumPrev_Cnt_M_u32[1]	18250	18250	✔
PXAccumPrev_Cnt_M_u32[2]	18253	18253	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01375914	2.01375914 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01375914	2.01375914 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3974.28711	3974.28711	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.539993286	0.539993286	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	35389	35389	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0699920654	0.0700073242 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	159	159	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	160	160	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	872	872	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	312	312	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	442	442	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14804	14804	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	13528	13528	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536822676	536822676	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	2852	2852	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	176	176	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.490692139	0.490707397 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	11.2799997	11.2799997	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-32.0800018	-32.0800018	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	25.2299995	25.2299995	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	155.233994	155.233994	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-165.716995	-165.716995	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.550003052	0.550003052 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	36045	36045	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.56 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3083.13989
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4161.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	35389
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	36044
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4653
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4718
CDD_Die1RxError_Cnt_G_u16[0]	190
CDD_Die1RxError_Cnt_G_u16[1]	192
CDD_Die1RxMtrPos_Cnt_G_u16[0]	158
CDD_Die1RxMtrPos_Cnt_G_u16[1]	160
CDD_Die1RxRevCtr_Cnt_G_u16[0]	174
CDD_Die1RxRevCtr_Cnt_G_u16[1]	176
CDD_Die2RxError_Cnt_G_u16[0]	182
CDD_Die2RxError_Cnt_G_u16[1]	184
CDD_Die2RxMtrPos_Cnt_G_u16[0]	150
CDD_Die2RxMtrPos_Cnt_G_u16[1]	159
CDD_Die2RxRevCtr_Cnt_G_u16[0]	166
CDD_Die2RxRevCtr_Cnt_G_u16[1]	168
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6567
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8910
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	182
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	184
CDD_ModIdxFinal_Uls_G_u16p16[0]	43273
CDD_ModIdxFinal_Uls_G_u16p16[1]	43279
CDD_MtrCurr1_Volts_G_f32[0]	2.01401401
CDD_MtrCurr1_Volts_G_f32[1]	1.01401401
CDD_MtrCurr2_Volts_G_f32[0]	2.01401401
CDD_MtrCurr2_Volts_G_f32[1]	1.01401401
CDD_MtrCurrDax_Amp_G_f32[0]	34
CDD_MtrCurrDax_Amp_G_f32[1]	54
CDD_MtrCurrK1_Amps_G_f32[0]	-28.1499996
CDD_MtrCurrK1_Amps_G_f32[1]	-33.2999992
CDD_MtrCurrK2_Amps_G_f32[0]	66.1999969
CDD_MtrCurrK2_Amps_G_f32[1]	88.0999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-168.791
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-159.533997
CDD_MtrCurrQax_Amp_G_f32[0]	-201.020004
CDD_MtrCurrQax_Amp_G_f32[1]	-190.276993
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	302
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	928
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	150
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	159
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	222
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	368
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3567
CDD_PhaseAdvFinal_Cnt_G_u16[1]	4909
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	142
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	158
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3809
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5283
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2236
CDD_SysCVSwitchADC_Cnt_G_u16[1]	2852
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	36700
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	36700
PXAccumPrev_Cnt_M_u32[0]	3567
PXAccumPrev_Cnt_M_u32[1]	4909
PXAccumPrev_Cnt_M_u32[2]	67714
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	346033

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[1]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[2]	43254	43254	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01401401	2.01401401 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01401401	2.01401401 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3083.13989	3083.13989	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.539993286	0.539993286	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	35389	35389	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0709991455	-0.0709991455 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	190	190	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	182	182	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	302	302	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	150	150	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	222	222	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	334	334	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	114684	114684	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	113342	113342	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536846452	536846452	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6567	6567	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	182	182	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.660293579	0.660293579 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	34	34	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-28.1499996	-28.1499996	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	66.1999969	66.1999969	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-168.791	-168.791	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-201.020004	-201.020004	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	142	142	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2236	2236	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.57 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3204.25806
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4348.25781
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	36700
CDD_CumMechMtrPos_Rev_G_s15p16[0]	478
CDD_CumMechMtrPos_Rev_G_s15p16[1]	484
CDD_Die1RxError_Cnt_G_u16[0]	198
CDD_Die1RxError_Cnt_G_u16[1]	200
CDD_Die1RxMtrPos_Cnt_G_u16[0]	166
CDD_Die1RxMtrPos_Cnt_G_u16[1]	168
CDD_Die1RxRevCtr_Cnt_G_u16[0]	182
CDD_Die1RxRevCtr_Cnt_G_u16[1]	184
CDD_Die2RxError_Cnt_G_u16[0]	190
CDD_Die2RxError_Cnt_G_u16[1]	192
CDD_Die2RxMtrPos_Cnt_G_u16[0]	158
CDD_Die2RxMtrPos_Cnt_G_u16[1]	160
CDD_Die2RxRevCtr_Cnt_G_u16[0]	174
CDD_Die2RxRevCtr_Cnt_G_u16[1]	176
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	7688
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9097
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	190
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	192
CDD_ModIdxFinal_Uls_G_u16p16[0]	43194
CDD_ModIdxFinal_Uls_G_u16p16[1]	43201
CDD_MtrCurr1_Volts_G_f32[0]	2.01426888
CDD_MtrCurr1_Volts_G_f32[1]	4.01426888
CDD_MtrCurr2_Volts_G_f32[0]	1.01426876
CDD_MtrCurr2_Volts_G_f32[1]	4.01426888
CDD_MtrCurrDax_Amp_G_f32[0]	59.2700005
CDD_MtrCurrDax_Amp_G_f32[1]	67.8899994
CDD_MtrCurrK1_Amps_G_f32[0]	34.5200005
CDD_MtrCurrK1_Amps_G_f32[1]	28.9300003
CDD_MtrCurrK2_Amps_G_f32[0]	-32
CDD_MtrCurrK2_Amps_G_f32[1]	-28
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	192.830994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	203.834
CDD_MtrCurrQax_Amp_G_f32[0]	214.837006
CDD_MtrCurrQax_Amp_G_f32[1]	215.839996
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	655
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	984
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	214
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	312
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	0
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	0
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3688
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5096
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	150
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	159
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3930
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5470
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6567
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8910
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	36700
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	37356
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	36700
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	37356
PXAccumPrev_Cnt_M_u32[0]	3688
PXAccumPrev_Cnt_M_u32[1]	5096
PXAccumPrev_Cnt_M_u32[2]	68939
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146019
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146019
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146040

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18252	18252	✔
PXAccumPrev_Cnt_M_u32[1]	18252	18252	✔
PXAccumPrev_Cnt_M_u32[2]	18255	18255	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01426888	4.01426888 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01426888	4.01426888 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4348.25781	4348.25781	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.559997559	0.559997559	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	36700	36700	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00738525391	0.0074005127 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	160	160	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	984	984	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	312	312	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	0	0	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	477	477	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14564	14564	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	13156	13156	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536820228	536820228	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9097	9097	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	192	192	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659194946	0.659194946 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	67.8899994	67.8899994	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	28.9300003	28.9300003	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-28	-28	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	215.839996	215.839996	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	159	159	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8910	8910	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.570007324	0.570007324 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	37356	37356	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.58 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3325.25806
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4535.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	36700
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	37356
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4915
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4980
CDD_Die1RxError_Cnt_G_u16[0]	206
CDD_Die1RxError_Cnt_G_u16[1]	256
CDD_Die1RxMtrPos_Cnt_G_u16[0]	174
CDD_Die1RxMtrPos_Cnt_G_u16[1]	176
CDD_Die1RxRevCtr_Cnt_G_u16[0]	190
CDD_Die1RxRevCtr_Cnt_G_u16[1]	192
CDD_Die2RxError_Cnt_G_u16[0]	198
CDD_Die2RxError_Cnt_G_u16[1]	200
CDD_Die2RxMtrPos_Cnt_G_u16[0]	166
CDD_Die2RxMtrPos_Cnt_G_u16[1]	168
CDD_Die2RxRevCtr_Cnt_G_u16[0]	182
CDD_Die2RxRevCtr_Cnt_G_u16[1]	184
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4656
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	6592
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	198
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	200
CDD_ModIdxFinal_Uls_G_u16p16[0]	8100
CDD_ModIdxFinal_Uls_G_u16p16[1]	8106
CDD_MtrCurr1_Volts_G_f32[0]	2.01452351
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363
CDD_MtrCurrDax_Amp_G_f32[0]	-74
CDD_MtrCurrDax_Amp_G_f32[1]	-64
CDD_MtrCurrK1_Amps_G_f32[0]	35.7400017
CDD_MtrCurrK1_Amps_G_f32[1]	29.7099991
CDD_MtrCurrK2_Amps_G_f32[0]	6.26999998
CDD_MtrCurrK2_Amps_G_f32[1]	11.2799997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	141.156998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	151.380005
CDD_MtrCurrQax_Amp_G_f32[0]	10.25
CDD_MtrCurrQax_Amp_G_f32[1]	15.3599997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1026
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1040
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	222
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	368
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	200000
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3809
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5283
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	158
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	160
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3889
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5287
CDD_SysCVSwitchADC_Cnt_G_u16[0]	7688
CDD_SysCVSwitchADC_Cnt_G_u16[1]	9097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	37356
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	38011
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	37356
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	38011
PXAccumPrev_Cnt_M_u32[0]	3809
PXAccumPrev_Cnt_M_u32[1]	5283
PXAccumPrev_Cnt_M_u32[2]	70164
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	646047

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18253	18253	✔
PXAccumPrev_Cnt_M_u32[1]	18253	18253	✔
PXAccumPrev_Cnt_M_u32[2]	80755	80755	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5287	5287	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01452363	1.01452363 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01452363	1.01452363 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4535.27979	4535.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.570007324	0.570007324	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	37356	37356	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0759887695	-0.0760040283 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1040	1040	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	368	368	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	200000	200000	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	495	495	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14444	14444	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	12970	12970	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	10591	10591	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	200	200	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.123687744	0.123703003 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	29.7099991	29.7099991	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	11.2799997	11.2799997	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	15.3599997	15.3599997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	160	160	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.580001831	0.580001831 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	38011	38011	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.59 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4530.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	5471.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	37356
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	38010
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	878
CDD_Die1RxError_Cnt_G_u16[0]	5866
CDD_Die1RxError_Cnt_G_u16[1]	8462
CDD_Die1RxMtrPos_Cnt_G_u16[0]	182
CDD_Die1RxMtrPos_Cnt_G_u16[1]	184
CDD_Die1RxRevCtr_Cnt_G_u16[0]	198
CDD_Die1RxRevCtr_Cnt_G_u16[1]	200
CDD_Die2RxError_Cnt_G_u16[0]	206
CDD_Die2RxError_Cnt_G_u16[1]	256
CDD_Die2RxMtrPos_Cnt_G_u16[0]	174
CDD_Die2RxMtrPos_Cnt_G_u16[1]	176
CDD_Die2RxRevCtr_Cnt_G_u16[0]	190
CDD_Die2RxRevCtr_Cnt_G_u16[1]	192
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	254
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	592
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	206
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	256
CDD_ModIdxFinal_Uls_G_u16p16[0]	16108
CDD_ModIdxFinal_Uls_G_u16p16[1]	16115
CDD_MtrCurr1_Volts_G_f32[0]	2.01477838
CDD_MtrCurr1_Volts_G_f32[1]	1.01477838
CDD_MtrCurr2_Volts_G_f32[0]	1.01477838
CDD_MtrCurr2_Volts_G_f32[1]	2.01477838
CDD_MtrCurrDax_Amp_G_f32[0]	75.5
CDD_MtrCurrDax_Amp_G_f32[1]	83.8000031
CDD_MtrCurrK1_Amps_G_f32[0]	36.9599991
CDD_MtrCurrK1_Amps_G_f32[1]	30.4899998
CDD_MtrCurrK2_Amps_G_f32[0]	34
CDD_MtrCurrK2_Amps_G_f32[1]	54
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-176.199997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-165.716995
CDD_MtrCurrQax_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQax_Amp_G_f32[1]	35.8899994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1147
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1169
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	230
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	424
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6108
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8836
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3930
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5470
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	166
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	168
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	4530
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5471
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4656
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	38666
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	38666
PXAccumPrev_Cnt_M_u32[0]	3930
PXAccumPrev_Cnt_M_u32[1]	5470
PXAccumPrev_Cnt_M_u32[2]	71389
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146054

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[1]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[2]	18256	18256	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4530	4530	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01477838	2.01477838 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01477838	1.01477838 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4530.25	4530.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.570007324	0.570007324	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	37356	37356	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5866	5866	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	182	182	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	206	206	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	190	190	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1147	1147	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	230	230	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6108	6108	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	368	368	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	39324	39324	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	37784	37784	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536817779	536817779	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	254	254	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	206	206	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.245788574	0.245803833 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	75.5	75.5	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	36.9599991	36.9599991	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	34	34	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-176.199997	-176.199997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	25.3600006	25.3600006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4656	4656	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.60 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	38666
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-884
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-891
CDD_Die1RxError_Cnt_G_u16[0]	7688
CDD_Die1RxError_Cnt_G_u16[1]	9097
CDD_Die1RxMtrPos_Cnt_G_u16[0]	190
CDD_Die1RxMtrPos_Cnt_G_u16[1]	192
CDD_Die1RxRevCtr_Cnt_G_u16[0]	206
CDD_Die1RxRevCtr_Cnt_G_u16[1]	256
CDD_Die2RxError_Cnt_G_u16[0]	5866
CDD_Die2RxError_Cnt_G_u16[1]	8462
CDD_Die2RxMtrPos_Cnt_G_u16[0]	182
CDD_Die2RxMtrPos_Cnt_G_u16[1]	184
CDD_Die2RxRevCtr_Cnt_G_u16[0]	198
CDD_Die2RxRevCtr_Cnt_G_u16[1]	200
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	262
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	648
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5866
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8462
CDD_ModIdxFinal_Uls_G_u16p16[0]	38469
CDD_ModIdxFinal_Uls_G_u16p16[1]	57606
CDD_MtrCurr1_Volts_G_f32[0]	1.01503325
CDD_MtrCurr1_Volts_G_f32[1]	2.01503325
CDD_MtrCurr2_Volts_G_f32[0]	2.01503325
CDD_MtrCurr2_Volts_G_f32[1]	1.01503325
CDD_MtrCurrDax_Amp_G_f32[0]	50
CDD_MtrCurrDax_Amp_G_f32[1]	60
CDD_MtrCurrK1_Amps_G_f32[0]	38.1800003
CDD_MtrCurrK1_Amps_G_f32[1]	31.2700005
CDD_MtrCurrK2_Amps_G_f32[0]	59.2700005
CDD_MtrCurrK2_Amps_G_f32[1]	67.8899994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-201.020004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-190.276993
CDD_MtrCurrQax_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQax_Amp_G_f32[1]	56.4199982
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1268
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1356
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	238
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	480
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	254
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	592
CDD_PhaseAdvFinal_Cnt_G_u16[0]	100
CDD_PhaseAdvFinal_Cnt_G_u16[1]	150
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	174
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	176
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	238
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	480
CDD_SysCVSwitchADC_Cnt_G_u16[0]	0
CDD_SysCVSwitchADC_Cnt_G_u16[1]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	38666
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	39322
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	38666
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	39322
PXAccumPrev_Cnt_M_u32[0]	3889
PXAccumPrev_Cnt_M_u32[1]	5287
PXAccumPrev_Cnt_M_u32[2]	72614
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	846061

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18255	18255	✔
PXAccumPrev_Cnt_M_u32[1]	18255	18255	✔
PXAccumPrev_Cnt_M_u32[2]	105757	105757	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01503325	2.01503325 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01503325	1.01503325 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3974.25	3974.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.589996338	0.589996338	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	38666	38666	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0135955811	-0.0135955811 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	8462	8462	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1356	1356	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	480	480	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	592	592	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	14366	14366	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	12968	12968	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	33143	33143	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	648	648	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	8462	8462	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.878997803	0.878997803 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	31.2700005	31.2700005	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	67.8899994	67.8899994	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-190.276993	-190.276993	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	56.4199982	56.4199982	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.600006104	0.600006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	39322	39322	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.61 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3083.23999
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4161.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	38666
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	39322
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	904
CDD_Die1RxError_Cnt_G_u16[0]	222
CDD_Die1RxError_Cnt_G_u16[1]	368
CDD_Die1RxMtrPos_Cnt_G_u16[0]	198
CDD_Die1RxMtrPos_Cnt_G_u16[1]	200
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5866
CDD_Die1RxRevCtr_Cnt_G_u16[1]	8462
CDD_Die2RxError_Cnt_G_u16[0]	7688
CDD_Die2RxError_Cnt_G_u16[1]	9097
CDD_Die2RxMtrPos_Cnt_G_u16[0]	190
CDD_Die2RxMtrPos_Cnt_G_u16[1]	192
CDD_Die2RxRevCtr_Cnt_G_u16[0]	206
CDD_Die2RxRevCtr_Cnt_G_u16[1]	256
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	270
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	704
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5987
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8649
CDD_ModIdxFinal_Uls_G_u16p16[0]	43247
CDD_ModIdxFinal_Uls_G_u16p16[1]	43253
CDD_MtrCurr1_Volts_G_f32[0]	2.01095629
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641
CDD_MtrCurr2_Volts_G_f32[0]	2.01095629
CDD_MtrCurr2_Volts_G_f32[1]	1.01095641
CDD_MtrCurrDax_Amp_G_f32[0]	55.7999992
CDD_MtrCurrDax_Amp_G_f32[1]	65.9000015
CDD_MtrCurrK1_Amps_G_f32[0]	39.4000015
CDD_MtrCurrK1_Amps_G_f32[1]	32.0499992
CDD_MtrCurrK2_Amps_G_f32[0]	-74
CDD_MtrCurrK2_Amps_G_f32[1]	-64
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	214.837006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	215.839996
CDD_MtrCurrQax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQax_Amp_G_f32[1]	76.9499969
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1389
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1543
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	246
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	536
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	262
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	648
CDD_PhaseAdvFinal_Cnt_G_u16[0]	126
CDD_PhaseAdvFinal_Cnt_G_u16[1]	156
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	182
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	184
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2962
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3974
CDD_SysCVSwitchADC_Cnt_G_u16[0]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[1]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	39322
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	39976
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	33423
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	34079
PXAccumPrev_Cnt_M_u32[0]	4530
PXAccumPrev_Cnt_M_u32[1]	5471
PXAccumPrev_Cnt_M_u32[2]	73839
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145949

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USeC_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USeC_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USeC_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USeC_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80755	80755	✔
PXAccumPrev_Cnt_M_u32[1]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[2]	18243	18243	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4161.27979	4161.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.600006104	0.600006104	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	39322	39322	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0137939453	0.0137939453 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	8462	8462	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1543	1543	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	536	536	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	648	648	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	76225	76225	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	62771	62771	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536815316	536815316	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USeC_u32.value	704	704	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USeC_u32.value	8649	8649	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659988403	0.660003662 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	32.0499992	32.0499992	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	215.839996	215.839996	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	76.9499969	76.9499969	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.609985352	0.61000061 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	34079	34079	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.62 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	6229.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	9023.54004
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	39322
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	39976
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-910
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-917
CDD_Die1RxError_Cnt_G_u16[0]	230
CDD_Die1RxError_Cnt_G_u16[1]	424
CDD_Die1RxMtrPos_Cnt_G_u16[0]	206
CDD_Die1RxMtrPos_Cnt_G_u16[1]	256
CDD_Die1RxRevCtr_Cnt_G_u16[0]	7688
CDD_Die1RxRevCtr_Cnt_G_u16[1]	9097
CDD_Die2RxError_Cnt_G_u16[0]	222
CDD_Die2RxError_Cnt_G_u16[1]	368
CDD_Die2RxMtrPos_Cnt_G_u16[0]	198
CDD_Die2RxMtrPos_Cnt_G_u16[1]	200
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5866
CDD_Die2RxRevCtr_Cnt_G_u16[1]	8462
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6567
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8910
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	6108
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8836
CDD_ModIdxFinal_Uls_G_u16p16[0]	8152
CDD_ModIdxFinal_Uls_G_u16p16[1]	8159
CDD_MtrCurr1_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr1_Volts_G_f32[1]	4.01554298
CDD_MtrCurr2_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr2_Volts_G_f32[1]	4.01554298
CDD_MtrCurrDax_Amp_G_f32[0]	-68.6399994
CDD_MtrCurrDax_Amp_G_f32[1]	-57.4700012
CDD_MtrCurrK1_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK1_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrK2_Amps_G_f32[0]	75.5
CDD_MtrCurrK2_Amps_G_f32[1]	83.8000031
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	10.25
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	15.3599997
CDD_MtrCurrQax_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQax_Amp_G_f32[1]	-70.6900024
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1510
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1730
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	254
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	592
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	270
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	704
CDD_PhaseAdvFinal_Cnt_G_u16[0]	134
CDD_PhaseAdvFinal_Cnt_G_u16[1]	157
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	190
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	192
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3083
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4161
CDD_SysCVSwitchADC_Cnt_G_u16[0]	2357
CDD_SysCVSwitchADC_Cnt_G_u16[1]	3039
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	40632
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	34734
PXAccumPrev_Cnt_M_u32[0]	6567
PXAccumPrev_Cnt_M_u32[1]	8910
PXAccumPrev_Cnt_M_u32[2]	75064
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145956

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18256	18256	✓
PXAccumPrev_Cnt_M_u32[1]	18243	18243	✓
PXAccumPrev_Cnt_M_u32[2]	18244	18244	✓
target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16.value	3083	3083	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6229.27979	6229.27979	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.600006104	0.600006104	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	39322	39322	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.013885498	-0.0139007568 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	230	230	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	206	206	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	7688	7688	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	222	222	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	198	198	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5866	5866	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1510	1510	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	254	254	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	270	270	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	12	12	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	11689	11689	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9333	9333	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536814092	536814092	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6567	6567	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	6108	6108	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124389648	0.124404907 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-68.6399994	-68.6399994	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-87.8199997	-87.8199997	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	75.5	75.5	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	10.25	10.25	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-97.4800034	-97.4800034	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	190	190	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	2357	2357	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.63 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	6350.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	9210.28027
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	40632
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-530
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-537
CDD_Die1RxError_Cnt_G_u16[0]	238
CDD_Die1RxError_Cnt_G_u16[1]	480
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5866
CDD_Die1RxMtrPos_Cnt_G_u16[1]	8462
CDD_Die1RxRevCtr_Cnt_G_u16[0]	222
CDD_Die1RxRevCtr_Cnt_G_u16[1]	368
CDD_Die2RxError_Cnt_G_u16[0]	230
CDD_Die2RxError_Cnt_G_u16[1]	424
CDD_Die2RxMtrPos_Cnt_G_u16[0]	206
CDD_Die2RxMtrPos_Cnt_G_u16[1]	256
CDD_Die2RxRevCtr_Cnt_G_u16[0]	7688
CDD_Die2RxRevCtr_Cnt_G_u16[1]	9097
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	7688
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9097
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	6229
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	9023
CDD_ModIdxFinal_Uls_G_u16p16[0]	16161
CDD_ModIdxFinal_Uls_G_u16p16[1]	16167
CDD_MtrCurr1_Volts_G_f32[0]	1.01579762
CDD_MtrCurr1_Volts_G_f32[1]	2.01579762
CDD_MtrCurr2_Volts_G_f32[0]	1.01579762
CDD_MtrCurr2_Volts_G_f32[1]	2.01579762
CDD_MtrCurrDax_Amp_G_f32[0]	59.1399994
CDD_MtrCurrDax_Amp_G_f32[1]	71.3799973
CDD_MtrCurrK1_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK1_Amps_G_f32[1]	90.5599976
CDD_MtrCurrK2_Amps_G_f32[0]	50
CDD_MtrCurrK2_Amps_G_f32[1]	60
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	35.8899994
CDD_MtrCurrQax_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQax_Amp_G_f32[1]	-85.8000031
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1631
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1917
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	262
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	648
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6567
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8910
CDD_PhaseAdvFinal_Cnt_G_u16[0]	142
CDD_PhaseAdvFinal_Cnt_G_u16[1]	158
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	198
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	200
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	6229
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	9023
CDD_SysCVSwitchADC_Cnt_G_u16[0]	254
CDD_SysCVSwitchADC_Cnt_G_u16[1]	592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	35389
PXAccumPrev_Cnt_M_u32[0]	7688
PXAccumPrev_Cnt_M_u32[1]	9097
PXAccumPrev_Cnt_M_u32[2]	76289
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	645963

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	105757	105757	✔
PXAccumPrev_Cnt_M_u32[1]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[2]	80745	80745	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	9023	9023	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	9210.28027	9210.28027	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.619995117	0.619995117	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	40632	40632	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.00819396973	-0.00819396973 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	8462	8462	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1917	1917	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	648	648	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8910	8910	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	98069	98069	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9147	9147	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	4456	4456	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9097	9097	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	9023	9023	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246688843	0.246704102 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	71.3799973	71.3799973	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	90.5599976	90.5599976	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	35.8899994	35.8899994	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-85.8000031	-85.8000031	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	592	592	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	35389	35389	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.64 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5019.52002
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7153.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	40632
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	41288
CDD_CumMechMtrPos_Rev_G_s15p16[0]	655
CDD_CumMechMtrPos_Rev_G_s15p16[1]	1310
CDD_Die1RxError_Cnt_G_u16[0]	2962
CDD_Die1RxError_Cnt_G_u16[1]	3974
CDD_Die1RxMtrPos_Cnt_G_u16[0]	7688
CDD_Die1RxMtrPos_Cnt_G_u16[1]	9097
CDD_Die1RxRevCtr_Cnt_G_u16[0]	230
CDD_Die1RxRevCtr_Cnt_G_u16[1]	424
CDD_Die2RxError_Cnt_G_u16[0]	238
CDD_Die2RxError_Cnt_G_u16[1]	480
CDD_Die2RxMtrPos_Cnt_G_u16[0]	5866
CDD_Die2RxMtrPos_Cnt_G_u16[1]	8462
CDD_Die2RxRevCtr_Cnt_G_u16[0]	222
CDD_Die2RxRevCtr_Cnt_G_u16[1]	368
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4656
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	6592
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	6350
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	9210
CDD_ModIdxFinal_Uls_G_u16p16[0]	20532
CDD_ModIdxFinal_Uls_G_u16p16[1]	20538
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237
CDD_MtrCurr1_Volts_G_f32[1]	2.01605248
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237
CDD_MtrCurr2_Volts_G_f32[1]	2.01605248
CDD_MtrCurrDax_Amp_G_f32[0]	60.8100014
CDD_MtrCurrDax_Amp_G_f32[1]	74.1200027
CDD_MtrCurrK1_Amps_G_f32[0]	72.5
CDD_MtrCurrK1_Amps_G_f32[1]	93.2900009
CDD_MtrCurrK2_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	65.9000015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.4199982
CDD_MtrCurrQax_Amp_G_f32[0]	100.910004
CDD_MtrCurrQax_Amp_G_f32[1]	138.539993
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	1752
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	2104
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	270
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	704
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	7688
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	9097
CDD_PhaseAdvFinal_Cnt_G_u16[0]	150
CDD_PhaseAdvFinal_Cnt_G_u16[1]	159
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	206
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	256
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	6350
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	9210
CDD_SysCVSwitchADC_Cnt_G_u16[0]	262
CDD_SysCVSwitchADC_Cnt_G_u16[1]	648
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	65534
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	65534
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	41943
PXAccumPrev_Cnt_M_u32[0]	5382
PXAccumPrev_Cnt_M_u32[1]	7714
PXAccumPrev_Cnt_M_u32[2]	60364
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145970

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[1]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[2]	18246	18246	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	9210	9210	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7153.8501	7153.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.630004883	0.630004883	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	41288	41288	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0199890137	0.0200042725 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	8462	8462	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2104	2104	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	704	704	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	9097	9097	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	62860	62860	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	73031	73031	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536828794	536828794	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	9210	9210	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.31338501	0.313400269 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	74.1200027	74.1200027	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	93.2900009	93.2900009	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	56.4199982	56.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	138.539993	138.539993	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	648	648	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.999969482	0.999984741 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	41943	41943	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.65 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.81006
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	41943
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-1966
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-2621
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	222
CDD_Die1RxMtrPos_Cnt_G_u16[1]	368
CDD_Die1RxRevCtr_Cnt_G_u16[0]	238
CDD_Die1RxRevCtr_Cnt_G_u16[1]	480
CDD_Die2RxError_Cnt_G_u16[0]	2962
CDD_Die2RxError_Cnt_G_u16[1]	3974
CDD_Die2RxMtrPos_Cnt_G_u16[0]	7688
CDD_Die2RxMtrPos_Cnt_G_u16[1]	9097
CDD_Die2RxRevCtr_Cnt_G_u16[0]	230
CDD_Die2RxRevCtr_Cnt_G_u16[1]	424
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	270
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	704
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	214
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	312
CDD_ModIdxFinal_Uls_G_u16p16[0]	27007
CDD_ModIdxFinal_Uls_G_u16p16[1]	27013
CDD_MtrCurr1_Volts_G_f32[0]	2.01630712
CDD_MtrCurr1_Volts_G_f32[1]	1.01630723
CDD_MtrCurr2_Volts_G_f32[0]	2.01630712
CDD_MtrCurr2_Volts_G_f32[1]	1.01630723
CDD_MtrCurrDax_Amp_G_f32[0]	-76.8600006
CDD_MtrCurrDax_Amp_G_f32[1]	-62.4799995
CDD_MtrCurrK1_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK1_Amps_G_f32[1]	96.0390015
CDD_MtrCurrK2_Amps_G_f32[0]	-68.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	-57.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	76.9499969
CDD_MtrCurrQax_Amp_G_f32[0]	116.019997
CDD_MtrCurrQax_Amp_G_f32[1]	159.070007
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	278
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	760
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4656
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6592
CDD_PhaseAdvFinal_Cnt_G_u16[0]	158
CDD_PhaseAdvFinal_Cnt_G_u16[1]	160
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5866
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	8462
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	214
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	312
CDD_SysCVSwitchADC_Cnt_G_u16[0]	270
CDD_SysCVSwitchADC_Cnt_G_u16[1]	704
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	47841
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	42598
PXAccumPrev_Cnt_M_u32[0]	5503
PXAccumPrev_Cnt_M_u32[1]	7901
PXAccumPrev_Cnt_M_u32[2]	61589
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145977

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18243	18243	✓
PXAccumPrev_Cnt_M_u32[1]	18246	18246	✓
PXAccumPrev_Cnt_M_u32[2]	18247	18247	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	214	214	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.81006	5140.81006	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0299987793	-0.0299987793 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3083	3083	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	222	222	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	238	238	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	2962	2962	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	7688	7688	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	230	230	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1873	1873	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	278	278	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4656	4656	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12740	12740	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10345	10345	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536827570	536827570	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	270	270	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	214	214	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.412094116	0.412094116 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-76.8600006	-76.8600006	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	74.1699982	74.1699982	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-68.6399994	-68.6399994	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	55.5800018	55.5800018	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	116.019997	116.019997	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5866	5866	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	270	270	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.66 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5261.41016
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7527.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	42598
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3276
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3932
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	230
CDD_Die1RxMtrPos_Cnt_G_u16[1]	424
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3974
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	222
CDD_Die2RxMtrPos_Cnt_G_u16[1]	368
CDD_Die2RxRevCtr_Cnt_G_u16[0]	238
CDD_Die2RxRevCtr_Cnt_G_u16[1]	480
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	0
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	0
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4656
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6592
CDD_ModIdxFinal_Uls_G_u16p16[0]	34347
CDD_ModIdxFinal_Uls_G_u16p16[1]	34353
CDD_MtrCurr1_Volts_G_f32[0]	2.01656199
CDD_MtrCurr1_Volts_G_f32[1]	1.01656199
CDD_MtrCurr2_Volts_G_f32[0]	1.01656199
CDD_MtrCurr2_Volts_G_f32[1]	2.01656199
CDD_MtrCurrDax_Amp_G_f32[0]	64.1500015
CDD_MtrCurrDax_Amp_G_f32[1]	79.5999985
CDD_MtrCurrK1_Amps_G_f32[0]	-74
CDD_MtrCurrK1_Amps_G_f32[1]	-64
CDD_MtrCurrK2_Amps_G_f32[0]	59.1399994
CDD_MtrCurrK2_Amps_G_f32[1]	71.3799973
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	131.130005
CDD_MtrCurrQax_Amp_G_f32[1]	179.600006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6779
CDD_PhaseAdvFinal_Cnt_G_u16[0]	166
CDD_PhaseAdvFinal_Cnt_G_u16[1]	168
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	7688
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	9097
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	222
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	368
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6567
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8910
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	42598
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	43254
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	42598
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	43254
PXAccumPrev_Cnt_M_u32[0]	5624
PXAccumPrev_Cnt_M_u32[1]	8088
PXAccumPrev_Cnt_M_u32[2]	62814
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01656199	1.01656199 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01656199	2.01656199 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7527.8501	7527.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.649993896	0.649993896	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	42598	42598	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0599975586	0.0599975586 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2478	2478	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	816	816	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	15	15	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12620	12620	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10159	10159	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	42934	42934	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	0	0	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524185181	0.524200439 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	79.5999985	79.5999985	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	71.3799973	71.3799973	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	179.600006	179.600006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8910	8910	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.660003662	0.660003662 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	43254	43254	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.67 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.41016
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.52002
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	42598
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	43254
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4587
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-5242
CDD_Die1RxError_Cnt_G_u16[0]	3325
CDD_Die1RxError_Cnt_G_u16[1]	4535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	238
CDD_Die1RxMtrPos_Cnt_G_u16[1]	480
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	3204
CDD_Die2RxError_Cnt_G_u16[1]	4348
CDD_Die2RxMtrPos_Cnt_G_u16[0]	230
CDD_Die2RxMtrPos_Cnt_G_u16[1]	424
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2962
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3974
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4294967295
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	254
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	592
CDD_ModIdxFinal_Uls_G_u16p16[0]	10885
CDD_ModIdxFinal_Uls_G_u16p16[1]	10892
CDD_MtrCurr1_Volts_G_f32[0]	2.01681685
CDD_MtrCurr1_Volts_G_f32[1]	4.01681662
CDD_MtrCurr2_Volts_G_f32[0]	2.01681685
CDD_MtrCurr2_Volts_G_f32[1]	4.01681662
CDD_MtrCurrDax_Amp_G_f32[0]	65.8199997
CDD_MtrCurrDax_Amp_G_f32[1]	82.3399963
CDD_MtrCurrK1_Amps_G_f32[0]	75.5
CDD_MtrCurrK1_Amps_G_f32[1]	83.8000031
CDD_MtrCurrK2_Amps_G_f32[0]	60.8100014
CDD_MtrCurrK2_Amps_G_f32[1]	74.1200027
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	-200.130005
CDD_MtrCurrQax_Amp_G_f32[1]	-146.240005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4898
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6966
CDD_PhaseAdvFinal_Cnt_G_u16[0]	174
CDD_PhaseAdvFinal_Cnt_G_u16[1]	176
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	222
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	368
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	230
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	424
CDD_SysCVSwitchADC_Cnt_G_u16[0]	7688
CDD_SysCVSwitchADC_Cnt_G_u16[1]	9097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	43909
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	43909
PXAccumPrev_Cnt_M_u32[0]	2357
PXAccumPrev_Cnt_M_u32[1]	3039
PXAccumPrev_Cnt_M_u32[2]	77514
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145991

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[1]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[2]	18248	18248	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.52002	7714.52002	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.660003662	0.660003662	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	43254	43254	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0799865723	-0.0800018311 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	424	424	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2665	2665	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6966	6966	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	16	16	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	78388	78388	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	102709	102709	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536811646	536811646	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	592	592	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16619873	0.16619873 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	82.3399963	82.3399963	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	83.8000031	83.8000031	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	74.1200027	74.1200027	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-85.8000031	-85.8000031	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-146.240005	-146.240005	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	368	368	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.669998169	0.669998169 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	43909	43909	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.68 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.1499
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	43909
CDD_CumMechMtrPos_Rev_G_s15p16[0]	5898
CDD_CumMechMtrPos_Rev_G_s15p16[1]	655
CDD_Die1RxError_Cnt_G_u16[0]	3446
CDD_Die1RxError_Cnt_G_u16[1]	4722
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2962
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3974
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4348
CDD_Die2RxError_Cnt_G_u16[0]	3325
CDD_Die2RxError_Cnt_G_u16[1]	4535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	238
CDD_Die2RxMtrPos_Cnt_G_u16[1]	480
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4161
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6567
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8910
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	262
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	648
CDD_ModIdxFinal_Uls_G_u16p16[0]	15230
CDD_ModIdxFinal_Uls_G_u16p16[1]	15237
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	67.4899979
CDD_MtrCurrDax_Amp_G_f32[1]	85.0800018
CDD_MtrCurrK1_Amps_G_f32[0]	50
CDD_MtrCurrK1_Amps_G_f32[1]	60
CDD_MtrCurrK2_Amps_G_f32[0]	-76.8600006
CDD_MtrCurrK2_Amps_G_f32[1]	-62.4799995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	100.910004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	138.539993
CDD_MtrCurrQax_Amp_G_f32[0]	-210.660004
CDD_MtrCurrQax_Amp_G_f32[1]	-161.350006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7153
CDD_PhaseAdvFinal_Cnt_G_u16[0]	214
CDD_PhaseAdvFinal_Cnt_G_u16[1]	312
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	230
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	424
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	238
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	480
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4656
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	44564
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	44564
PXAccumPrev_Cnt_M_u32[0]	2478
PXAccumPrev_Cnt_M_u32[1]	3226
PXAccumPrev_Cnt_M_u32[2]	78739
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✓
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✓
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	238	238	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5503.1499	5503.1499	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0899963379	0.0899963379 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3446	3446	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	2962	2962	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3204	3204	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3325	3325	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	238	238	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3083	3083	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2236	2236	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5019	5019	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	20	20	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	15768	15768	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	15022	15022	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536810422	536810422	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6567	6567	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	262	262	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232391357	0.232406616 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	67.4899979	67.4899979	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	50	50	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-76.8600006	-76.8600006	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	100.910004	100.910004	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-210.660004	-210.660004	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	230	230	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4656	4656	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.69 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.77979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	44564
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-7208
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-7864
CDD_Die1RxError_Cnt_G_u16[0]	3567
CDD_Die1RxError_Cnt_G_u16[1]	4909
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4535
CDD_Die2RxError_Cnt_G_u16[0]	3446
CDD_Die2RxError_Cnt_G_u16[1]	4722
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2962
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3974
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4348
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	7688
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9097
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	0
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	0
CDD_ModIdxFinal_Uls_G_u16p16[0]	24189
CDD_ModIdxFinal_Uls_G_u16p16[1]	24195
CDD_MtrCurr1_Volts_G_f32[0]	1.01732635
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635
CDD_MtrCurr2_Volts_G_f32[0]	2.01732635
CDD_MtrCurr2_Volts_G_f32[1]	1.01732635
CDD_MtrCurrDax_Amp_G_f32[0]	-87.8199997
CDD_MtrCurrDax_Amp_G_f32[1]	-69.1600037
CDD_MtrCurrK1_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	65.9000015
CDD_MtrCurrK2_Amps_G_f32[0]	64.1500015
CDD_MtrCurrK2_Amps_G_f32[1]	79.5999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	116.019997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	159.070007
CDD_MtrCurrQax_Amp_G_f32[0]	-25.5799999
CDD_MtrCurrQax_Amp_G_f32[1]	-20.4699993
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	2357
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	3039
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	3446
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	4722
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	5140
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	7340
CDD_PhaseAdvFinal_Cnt_G_u16[0]	222
CDD_PhaseAdvFinal_Cnt_G_u16[1]	368
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	238
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	480
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2962
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3974
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4777
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6779
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	44564
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	45220
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	44564
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	45220
PXAccumPrev_Cnt_M_u32[0]	2599
PXAccumPrev_Cnt_M_u32[1]	3413
PXAccumPrev_Cnt_M_u32[2]	79964
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146005

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18247	18247	✓
PXAccumPrev_Cnt_M_u32[1]	18249	18249	✓
PXAccumPrev_Cnt_M_u32[2]	18250	18250	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3974	3974	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01732635	2.01732635 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01732635	1.01732635 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.8501	8088.8501	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.679992676	0.679992676	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	44564	44564	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.119995117	-0.119995117 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4909	4909	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4722	4722	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3974	3974	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4348	4348	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3039	3039	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4722	4722	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7340	7340	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	34	34	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	15648	15648	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	14836	14836	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536809198	536809198	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9097	9097	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	0	0	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.369186401	0.36920166 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-69.1600037	-69.1600037	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	65.9000015	65.9000015	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	79.5999985	79.5999985	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	159.070007	159.070007	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-20.4699993	-20.4699993	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	480	480	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6779	6779	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.690002441	0.690002441 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	45220	45220	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.70 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4656.77979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6592.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	44564
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	45220
CDD_CumMechMtrPos_Rev_G_s15p16[0]	8519
CDD_CumMechMtrPos_Rev_G_s15p16[1]	9175
CDD_Die1RxError_Cnt_G_u16[0]	3688
CDD_Die1RxError_Cnt_G_u16[1]	5096
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3446
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4722
CDD_Die2RxError_Cnt_G_u16[0]	3567
CDD_Die2RxError_Cnt_G_u16[1]	4909
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4656
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	6592
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4294967295
CDD_ModIdxFinal_Uls_G_u16p16[0]	32138
CDD_ModIdxFinal_Uls_G_u16p16[1]	32145
CDD_MtrCurr1_Volts_G_f32[0]	1.01732635
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635
CDD_MtrCurr2_Volts_G_f32[0]	0.0135043999
CDD_MtrCurr2_Volts_G_f32[1]	1.01350439
CDD_MtrCurrDax_Amp_G_f32[0]	70.8300018
CDD_MtrCurrDax_Amp_G_f32[1]	90.5599976
CDD_MtrCurrK1_Amps_G_f32[0]	-68.6399994
CDD_MtrCurrK1_Amps_G_f32[1]	-57.4700012
CDD_MtrCurrK2_Amps_G_f32[0]	65.8199997
CDD_MtrCurrK2_Amps_G_f32[1]	82.3399963
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	131.130005
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	179.600006
CDD_MtrCurrQax_Amp_G_f32[0]	46.4199982
CDD_MtrCurrQax_Amp_G_f32[1]	56.9500008
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2478
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	3226
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3567
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4909
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5261
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7527
CDD_PhaseAdvFinal_Cnt_G_u16[0]	230
CDD_PhaseAdvFinal_Cnt_G_u16[1]	424
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2962
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3974
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3083
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4161
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4898
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6966
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	45875
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	45875
PXAccumPrev_Cnt_M_u32[0]	2720
PXAccumPrev_Cnt_M_u32[1]	3600
PXAccumPrev_Cnt_M_u32[2]	81189
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146005
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146005

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[1]	18250	18250	✔
PXAccumPrev_Cnt_M_u32[2]	18250	18250	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01732635	2.01732635 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01350439	1.01350439 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6592.50977	6592.50977	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.690002441	0.690002441	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	45220	45220	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.13999939	0.13999939 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3226	3226	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4909	4909	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7527	7527	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	39	39	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	103028	103028	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	14650	14650	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536807973	536807973	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.490493774	0.490493774 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	90.5599976	90.5599976	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-57.4700012	-57.4700012	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	82.3399963	82.3399963	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	179.600006	179.600006	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	56.9500008	56.9500008	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.699996948	0.699996948 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	45875	45875	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.71 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4777.8501
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6779.58008
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	45875
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-9830
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-10485
CDD_Die1RxError_Cnt_G_u16[0]	3809
CDD_Die1RxError_Cnt_G_u16[1]	5283
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3567
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4909
CDD_Die2RxError_Cnt_G_u16[0]	3688
CDD_Die2RxError_Cnt_G_u16[1]	5096
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3446
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4722
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4777
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	6779
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	7688
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	9097
CDD_ModIdxFinal_Uls_G_u16p16[0]	43260
CDD_ModIdxFinal_Uls_G_u16p16[1]	43266
CDD_MtrCurr1_Volts_G_f32[0]	1.01375926
CDD_MtrCurr1_Volts_G_f32[1]	2.01375914
CDD_MtrCurr2_Volts_G_f32[0]	1.01375926
CDD_MtrCurr2_Volts_G_f32[1]	2.01375914
CDD_MtrCurrDax_Amp_G_f32[0]	72.5
CDD_MtrCurrDax_Amp_G_f32[1]	93.2900009
CDD_MtrCurrK1_Amps_G_f32[0]	-25.5799999
CDD_MtrCurrK1_Amps_G_f32[1]	-20.4699993
CDD_MtrCurrK2_Amps_G_f32[0]	67.4899979
CDD_MtrCurrK2_Amps_G_f32[1]	85.0800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-200.130005
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-146.240005
CDD_MtrCurrQax_Amp_G_f32[0]	72.3700027
CDD_MtrCurrQax_Amp_G_f32[1]	88.3199997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2599
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	3413
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3688
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	5096
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5382
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7714
CDD_PhaseAdvFinal_Cnt_G_u16[0]	238
CDD_PhaseAdvFinal_Cnt_G_u16[1]	480
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3204
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4348
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5019
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7153
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	53739
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	54394
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	39322
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	39976
PXAccumPrev_Cnt_M_u32[0]	2841
PXAccumPrev_Cnt_M_u32[1]	3787
PXAccumPrev_Cnt_M_u32[2]	82414
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	946012

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[1]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[2]	118251	118251	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01375926	1.01375926 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01375926	1.01375926 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4777.8501	4777.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.149993896	-0.149993896 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2599	2599	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3688	3688	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5382	5382	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	22	22	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	15407	15407	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	114464	114464	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	35837	35837	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4777	4777	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7688	7688	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.660095215	0.660095215 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	72.5	72.5	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-25.5799999	-25.5799999	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	67.4899979	67.4899979	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-200.130005	-200.130005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	72.3700027	72.3700027	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5019	5019	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.819992065	0.820007324 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	39322	39322	✔



# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.72 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4898.12012
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6966.58008
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	0
CDD_CumMechMtrPos_Rev_G_s15p16[0]	30801
CDD_CumMechMtrPos_Rev_G_s15p16[1]	31457
CDD_Die1RxError_Cnt_G_u16[0]	3930
CDD_Die1RxError_Cnt_G_u16[1]	5470
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3446
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4722
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5096
CDD_Die2RxError_Cnt_G_u16[0]	3809
CDD_Die2RxError_Cnt_G_u16[1]	5283
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3567
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4909
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	4898
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	6966
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4656
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6592
CDD_ModIdxFinal_Uls_G_u16p16[0]	8165
CDD_ModIdxFinal_Uls_G_u16p16[1]	8172
CDD_MtrCurr1_Volts_G_f32[0]	2.01401401
CDD_MtrCurr1_Volts_G_f32[1]	1.01401401
CDD_MtrCurr2_Volts_G_f32[0]	2.01401401
CDD_MtrCurr2_Volts_G_f32[1]	1.01401401
CDD_MtrCurrDax_Amp_G_f32[0]	74.1699982
CDD_MtrCurrDax_Amp_G_f32[1]	96.0390015
CDD_MtrCurrK1_Amps_G_f32[0]	46.4199982
CDD_MtrCurrK1_Amps_G_f32[1]	56.9500008
CDD_MtrCurrK2_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK2_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-210.660004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-161.350006
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2720
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	3600
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3567
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4910
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5503
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7901
CDD_PhaseAdvFinal_Cnt_G_u16[0]	246
CDD_PhaseAdvFinal_Cnt_G_u16[1]	536
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3325
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5140
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7340
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	55050
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	40632
PXAccumPrev_Cnt_M_u32[0]	190
PXAccumPrev_Cnt_M_u32[1]	192
PXAccumPrev_Cnt_M_u32[2]	83639
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146019
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146019

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[1]	18252	18252	✔
PXAccumPrev_Cnt_M_u32[2]	18252	18252	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01401401	1.01401401 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01401401	1.01401401 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6966.58008	6966.58008	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.479995728	0.479995728 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3600	3600	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4910	4910	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7901	7901	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	50	50	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18059	18059	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18060	18060	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536805525	536805525	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6966	6966	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	6592	6592	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124694824	0.124694824 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	96.0390015	96.0390015	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	56.9500008	56.9500008	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-69.1600037	-69.1600037	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-161.350006	-161.350006	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.839996338	0.839996338 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	40632	40632	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.73 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5019.12012
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7153.83984
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	65535
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3211
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3276
CDD_Die1RxError_Cnt_G_u16[0]	100
CDD_Die1RxError_Cnt_G_u16[1]	150
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5283
CDD_Die2RxError_Cnt_G_u16[0]	3930
CDD_Die2RxError_Cnt_G_u16[1]	5470
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3446
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4722
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5096
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5019
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	7153
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4777
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6779
CDD_ModIdxFinal_Uls_G_u16p16[0]	16174
CDD_ModIdxFinal_Uls_G_u16p16[1]	16180
CDD_MtrCurr1_Volts_G_f32[0]	2.01426888
CDD_MtrCurr1_Volts_G_f32[1]	4.01426888
CDD_MtrCurr2_Volts_G_f32[0]	1.01426876
CDD_MtrCurr2_Volts_G_f32[1]	4.01426888
CDD_MtrCurrDax_Amp_G_f32[0]	30.8600006
CDD_MtrCurrDax_Amp_G_f32[1]	26.5900002
CDD_MtrCurrK1_Amps_G_f32[0]	72.3700027
CDD_MtrCurrK1_Amps_G_f32[1]	88.3199997
CDD_MtrCurrK2_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK2_Amps_G_f32[1]	90.5599976
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-25.5799999
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-20.4699993
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2841
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	3787
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	6567
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	8910
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5624
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8088
CDD_PhaseAdvFinal_Cnt_G_u16[0]	254
CDD_PhaseAdvFinal_Cnt_G_u16[1]	592
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3446
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4722
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5261
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7527
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	55050
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	55705
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	40632
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	41288
PXAccumPrev_Cnt_M_u32[0]	2962
PXAccumPrev_Cnt_M_u32[1]	3974
PXAccumPrev_Cnt_M_u32[2]	84864
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146005
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146026

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18250	18250	✓
PXAccumPrev_Cnt_M_u32[1]	18253	18253	✓
PXAccumPrev_Cnt_M_u32[2]	18253	18253	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4722	4722	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01426888	4.01426888 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01426888	4.01426888 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7153.83984	7153.83984	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.999984741	0.999984741	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	65535	65535	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.049987793	-0.0500030518 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4909	4909	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5283	5283	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4722	4722	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5096	5096	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3787	3787	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	8910	8910	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8088	8088	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	55	55	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	15288	15288	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	14279	14279	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536804301	536804301	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	7153	7153	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	6779	6779	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246887207	0.246902466 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	26.5900002	26.5900002	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	88.3199997	88.3199997	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	90.5599976	90.5599976	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-20.4699993	-20.4699993	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	151.380005	151.380005	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7527	7527	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.849990845	0.850006104 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	41288	41288	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.74 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.75
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	47841
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3342
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3407
CDD_Die1RxError_Cnt_G_u16[0]	126
CDD_Die1RxError_Cnt_G_u16[1]	156
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5470
CDD_Die2RxError_Cnt_G_u16[0]	100
CDD_Die2RxError_Cnt_G_u16[1]	150
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5283
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5140
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	7340
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4898
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6966
CDD_ModIdxFinal_Uls_G_u16p16[0]	26981
CDD_ModIdxFinal_Uls_G_u16p16[1]	26987
CDD_MtrCurr1_Volts_G_f32[0]	2.01452351
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363
CDD_MtrCurrDax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrDax_Amp_G_f32[1]	76.9499969
CDD_MtrCurrK1_Amps_G_f32[0]	-35.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	30.6900005
CDD_MtrCurrK2_Amps_G_f32[0]	72.5
CDD_MtrCurrK2_Amps_G_f32[1]	93.2900009
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	46.4199982
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.9500008
CDD_MtrCurrQax_Amp_G_f32[0]	100.264999
CDD_MtrCurrQax_Amp_G_f32[1]	110.487999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	192
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	7688
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	9097
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5745
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8275
CDD_PhaseAdvFinal_Cnt_G_u16[0]	262
CDD_PhaseAdvFinal_Cnt_G_u16[1]	648
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3446
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4722
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3567
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4909
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5382
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7714
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	55705
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	56360
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	0
PXAccumPrev_Cnt_M_u32[0]	3083
PXAccumPrev_Cnt_M_u32[1]	4161
PXAccumPrev_Cnt_M_u32[2]	86089
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	346033

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[1]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[2]	43254	43254	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01452351	2.01452351 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01452351	2.01452351 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.75	5140.75	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.050994873	0.050994873 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	190	190	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	7688	7688	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5745	5745	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	24	24	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	115168	115168	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	39093	39093	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536828077	536828077	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5140	5140	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4898	4898	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.411697388	0.411697388 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-35.7999992	-35.7999992	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	72.5	72.5	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	46.4199982	46.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	100.264999	100.264999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.849990845	0.850006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.75 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5140.75
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7340.50977
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	47841
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3342
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3407
CDD_Die1RxError_Cnt_G_u16[0]	126
CDD_Die1RxError_Cnt_G_u16[1]	156
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5470
CDD_Die2RxError_Cnt_G_u16[0]	100
CDD_Die2RxError_Cnt_G_u16[1]	150
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3567
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4909
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5283
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5140
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	7340
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	4898
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	6966
CDD_ModIdxFinal_Uls_G_u16p16[0]	26981
CDD_ModIdxFinal_Uls_G_u16p16[1]	26987
CDD_MtrCurr1_Volts_G_f32[0]	2.01452351
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363
CDD_MtrCurrDax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrDax_Amp_G_f32[1]	76.9499969
CDD_MtrCurrK1_Amps_G_f32[0]	-35.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	30.6900005
CDD_MtrCurrK2_Amps_G_f32[0]	72.5
CDD_MtrCurrK2_Amps_G_f32[1]	93.2900009
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	46.4199982
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.9500008
CDD_MtrCurrQax_Amp_G_f32[0]	100.264999
CDD_MtrCurrQax_Amp_G_f32[1]	110.487999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	190
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	192
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	7688
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	9097
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5745
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8275
CDD_PhaseAdvFinal_Cnt_G_u16[0]	262
CDD_PhaseAdvFinal_Cnt_G_u16[1]	648
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3446
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4722
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3688
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5096
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5382
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7714
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	55705
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	56360
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	0
PXAccumPrev_Cnt_M_u32[0]	3083
PXAccumPrev_Cnt_M_u32[1]	4161
PXAccumPrev_Cnt_M_u32[2]	86089
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	946012
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	346033

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	118251	118251	✔
PXAccumPrev_Cnt_M_u32[1]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[2]	43254	43254	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01452351	2.01452351 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01452351	2.01452351 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5140.75	5140.75	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.050994873	0.050994873 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3688	3688	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	190	190	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	7688	7688	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5745	5745	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	24	24	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	115168	115168	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	39093	39093	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536828077	536828077	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5140	5140	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4898	4898	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.411697388	0.411697388 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-35.7999992	-35.7999992	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	72.5	72.5	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	46.4199982	46.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	100.264999	100.264999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3446	3446	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5382	5382	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.849990845	0.850006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.76 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5261.18018
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7527.8501
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	47841
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	48497
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3473
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3538
CDD_Die1RxError_Cnt_G_u16[0]	2357
CDD_Die1RxError_Cnt_G_u16[1]	3039
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3809
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5283
CDD_Die1RxRevCtr_Cnt_G_u16[0]	100
CDD_Die1RxRevCtr_Cnt_G_u16[1]	150
CDD_Die2RxError_Cnt_G_u16[0]	126
CDD_Die2RxError_Cnt_G_u16[1]	156
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3688
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5096
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5470
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5261
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	7527
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5019
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7153
CDD_ModIdxFinal_Uls_G_u16p16[0]	15230
CDD_ModIdxFinal_Uls_G_u16p16[1]	15237
CDD_MtrCurr1_Volts_G_f32[0]	2.01477838
CDD_MtrCurr1_Volts_G_f32[1]	1.01477838
CDD_MtrCurr2_Volts_G_f32[0]	1.01477838
CDD_MtrCurr2_Volts_G_f32[1]	2.01477838
CDD_MtrCurrDax_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrDax_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrK1_Amps_G_f32[0]	72.5
CDD_MtrCurrK1_Amps_G_f32[1]	93.2900009
CDD_MtrCurrK2_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK2_Amps_G_f32[1]	96.0390015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	72.3700027
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	88.3199997
CDD_MtrCurrQax_Amp_G_f32[0]	-134.268005
CDD_MtrCurrQax_Amp_G_f32[1]	-123.785004
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	198
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	200
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	3867
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	5911
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	5628
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	8097
CDD_PhaseAdvFinal_Cnt_G_u16[0]	270
CDD_PhaseAdvFinal_Cnt_G_u16[1]	704
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3567
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4909
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3809
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5283
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5503
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7901
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	48497
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	49152
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	65535
PXAccumPrev_Cnt_M_u32[0]	3204
PXAccumPrev_Cnt_M_u32[1]	4348
PXAccumPrev_Cnt_M_u32[2]	87314
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146019
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146040

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18252	18252	✔
PXAccumPrev_Cnt_M_u32[1]	18255	18255	✔
PXAccumPrev_Cnt_M_u32[2]	18255	18255	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01477838	1.01477838 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01477838	2.01477838 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7527.8501	7527.8501	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.740005493	0.740005493	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	48497	48497	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0539855957	-0.0540008545 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	200	200	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	5911	5911	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8097	8097	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	66	66	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	15048	15048	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	13907	13907	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536801853	536801853	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	7527	7527	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7153	7153	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232498169	0.232498169 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	93.2900009	93.2900009	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	96.0390015	96.0390015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	88.3199997	88.3199997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-123.785004	-123.785004	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4909	4909	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.75	0.75 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	65535	65535	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.77 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5382.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7714.95996
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	48496
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	49152
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3604
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3670
CDD_Die1RxError_Cnt_G_u16[0]	142
CDD_Die1RxError_Cnt_G_u16[1]	158
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die1RxRevCtr_Cnt_G_u16[0]	126
CDD_Die1RxRevCtr_Cnt_G_u16[1]	156
CDD_Die2RxError_Cnt_G_u16[0]	2357
CDD_Die2RxError_Cnt_G_u16[1]	3039
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3809
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5283
CDD_Die2RxRevCtr_Cnt_G_u16[0]	100
CDD_Die2RxRevCtr_Cnt_G_u16[1]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5382
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	7714
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5140
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7340
CDD_ModIdxFinal_Uls_G_u16p16[0]	24189
CDD_ModIdxFinal_Uls_G_u16p16[1]	24195
CDD_MtrCurr1_Volts_G_f32[0]	1.01503325
CDD_MtrCurr1_Volts_G_f32[1]	2.01503325
CDD_MtrCurr2_Volts_G_f32[0]	2.01503325
CDD_MtrCurr2_Volts_G_f32[1]	1.01503325
CDD_MtrCurrDax_Amp_G_f32[0]	-118.010002
CDD_MtrCurrDax_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrK1_Amps_G_f32[0]	7.01528788
CDD_MtrCurrK1_Amps_G_f32[1]	28.0152874
CDD_MtrCurrK2_Amps_G_f32[0]	-140.014786
CDD_MtrCurrK2_Amps_G_f32[1]	63.0147781
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.4199982
CDD_MtrCurrQax_Amp_G_f32[0]	147.304993
CDD_MtrCurrQax_Amp_G_f32[1]	158.048004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	278
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	760
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4656
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6592
CDD_PhaseAdvFinal_Cnt_G_u16[0]	150
CDD_PhaseAdvFinal_Cnt_G_u16[1]	159
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3688
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5096
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3930
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5470
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5624
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8088
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	49807
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	47841
PXAccumPrev_Cnt_M_u32[0]	6350
PXAccumPrev_Cnt_M_u32[1]	9210
PXAccumPrev_Cnt_M_u32[2]	39539
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	646047

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18253	18253	✓
PXAccumPrev_Cnt_M_u32[1]	80755	80755	✓
PXAccumPrev_Cnt_M_u32[2]	80755	80755	✓
target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01503325	2.01503325 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01503325	1.01503325 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7714.95996	7714.95996	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.75	0.75	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	49152	49152	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0559997559	0.0559997559 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	158	158	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	156	156	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5283	5283	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2291	2291	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	760	760	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6592	6592	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	11903	11903	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	71545	71545	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	41216	41216	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	7714	7714	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7340	7340	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.369186401	0.36920166 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-85.8000031	-85.8000031	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	28.0152874	28.0152874	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	63.0147781	63.0147781	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	56.4199982	56.4199982	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	158.048004	158.048004	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5096	5096	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8088	8088	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.759994507	0.759994507 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	47841	47841	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.78 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.77979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	49807
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-32768
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-32768
CDD_Die1RxError_Cnt_G_u16[0]	166
CDD_Die1RxError_Cnt_G_u16[1]	168
CDD_Die1RxMtrPos_Cnt_G_u16[0]	100
CDD_Die1RxMtrPos_Cnt_G_u16[1]	150
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3039
CDD_Die2RxError_Cnt_G_u16[0]	142
CDD_Die2RxError_Cnt_G_u16[1]	158
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die2RxRevCtr_Cnt_G_u16[0]	126
CDD_Die2RxRevCtr_Cnt_G_u16[1]	156
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5503
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	7901
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5261
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7527
CDD_ModIdxFinal_Uls_G_u16p16[0]	27007
CDD_ModIdxFinal_Uls_G_u16p16[1]	27013
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.01095629
CDD_MtrCurr2_Volts_G_f32[1]	1.01095641
CDD_MtrCurrDax_Amp_G_f32[0]	100.910004
CDD_MtrCurrDax_Amp_G_f32[1]	138.539993
CDD_MtrCurrK1_Amps_G_f32[0]	8.01554298
CDD_MtrCurrK1_Amps_G_f32[1]	30.015543
CDD_MtrCurrK2_Amps_G_f32[0]	-140.01503
CDD_MtrCurrK2_Amps_G_f32[1]	63.0150337
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	76.9499969
CDD_MtrCurrQax_Amp_G_f32[0]	-181.828003
CDD_MtrCurrQax_Amp_G_f32[1]	-170.824997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6779
CDD_PhaseAdvFinal_Cnt_G_u16[0]	158
CDD_PhaseAdvFinal_Cnt_G_u16[1]	160
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3809
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5283
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	100
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	150
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5745
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8275
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	49807
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	50462
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	49807
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	50462
PXAccumPrev_Cnt_M_u32[0]	214
PXAccumPrev_Cnt_M_u32[1]	312
PXAccumPrev_Cnt_M_u32[2]	40764
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146054

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[1]	18256	18256	✔
PXAccumPrev_Cnt_M_u32[2]	18256	18256	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01095629	2.01095629 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5503.16992	5503.16992	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.5	-0.5 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	142	142	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1994	1994	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	286	286	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4777	4777	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	43040	43040	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17944	17944	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536848404	536848404	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5503	5503	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5261	5261	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.412094116	0.412094116 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	100.910004	100.910004	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	8.01554298	8.01554298	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-140.01503	-140.01503	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-181.828003	-181.828003	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3809	3809	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5745	5745	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.759994507	0.759994507 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	49807	49807	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.79 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	49807
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	50463
CDD_CumMechMtrPos_Rev_G_s15p16[0]	32767
CDD_CumMechMtrPos_Rev_G_s15p16[1]	32767
CDD_Die1RxError_Cnt_G_u16[0]	174
CDD_Die1RxError_Cnt_G_u16[1]	176
CDD_Die1RxMtrPos_Cnt_G_u16[0]	126
CDD_Die1RxMtrPos_Cnt_G_u16[1]	156
CDD_Die1RxRevCtr_Cnt_G_u16[0]	142
CDD_Die1RxRevCtr_Cnt_G_u16[1]	158
CDD_Die2RxError_Cnt_G_u16[0]	166
CDD_Die2RxError_Cnt_G_u16[1]	168
CDD_Die2RxMtrPos_Cnt_G_u16[0]	100
CDD_Die2RxMtrPos_Cnt_G_u16[1]	150
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3039
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5624
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8088
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5382
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7714
CDD_ModIdxFinal_Uls_G_u16p16[0]	34347
CDD_ModIdxFinal_Uls_G_u16p16[1]	34353
CDD_MtrCurr1_Volts_G_f32[0]	1.01732635
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635
CDD_MtrCurr2_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr2_Volts_G_f32[1]	4.01554298
CDD_MtrCurrDax_Amp_G_f32[0]	116.019997
CDD_MtrCurrDax_Amp_G_f32[1]	159.070007
CDD_MtrCurrK1_Amps_G_f32[0]	7.01605225
CDD_MtrCurrK1_Amps_G_f32[1]	28.0160522
CDD_MtrCurrK2_Amps_G_f32[0]	-120.015289
CDD_MtrCurrK2_Amps_G_f32[1]	25.0152874
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	194.345001
CDD_MtrCurrQax_Amp_G_f32[1]	205.608002
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4898
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6966
CDD_PhaseAdvFinal_Cnt_G_u16[0]	166
CDD_PhaseAdvFinal_Cnt_G_u16[1]	168
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3930
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5470
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	126
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	156
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5628
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	51118
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	51118
PXAccumPrev_Cnt_M_u32[0]	222
PXAccumPrev_Cnt_M_u32[1]	368
PXAccumPrev_Cnt_M_u32[2]	41989
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	846061

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18255	18255	✓
PXAccumPrev_Cnt_M_u32[1]	105757	105757	✓
PXAccumPrev_Cnt_M_u32[2]	105757	105757	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	156	156	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01732635	2.01732635 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01554298	4.01554298 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.27979	8088.27979	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.770004272	0.770004272	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	50463	50463	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.499984741	0.5 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	176	176	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	156	156	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	158	158	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	168	168	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2665	2665	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4348	4348	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6966	6966	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	15	15	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18033	18033	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	105389	105389	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	63768	63768	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8088	8088	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	7714	7714	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524185181	0.524200439 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	159.070007	159.070007	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	28.0160522	28.0160522	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	25.0152874	25.0152874	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	205.608002	205.608002	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8097	8097	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.779998779	0.779998779 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	51118	51118	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.80 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5745.14014
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8275.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	51118
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	0
CDD_Die1RxError_Cnt_G_u16[0]	182
CDD_Die1RxError_Cnt_G_u16[1]	184
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die1RxRevCtr_Cnt_G_u16[0]	166
CDD_Die1RxRevCtr_Cnt_G_u16[1]	168
CDD_Die2RxError_Cnt_G_u16[0]	174
CDD_Die2RxError_Cnt_G_u16[1]	176
CDD_Die2RxMtrPos_Cnt_G_u16[0]	126
CDD_Die2RxMtrPos_Cnt_G_u16[1]	156
CDD_Die2RxRevCtr_Cnt_G_u16[0]	142
CDD_Die2RxRevCtr_Cnt_G_u16[1]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5745
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8275
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5503
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7901
CDD_ModIdxFinal_Uls_G_u16p16[0]	10885
CDD_ModIdxFinal_Uls_G_u16p16[1]	10892
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	131.130005
CDD_MtrCurrDax_Amp_G_f32[1]	179.600006
CDD_MtrCurrK1_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	65.9000015
CDD_MtrCurrK2_Amps_G_f32[0]	64.1500015
CDD_MtrCurrK2_Amps_G_f32[1]	79.5999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	120.710999
CDD_MtrCurrQax_Amp_G_f32[1]	130.934006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7153
CDD_PhaseAdvFinal_Cnt_G_u16[0]	174
CDD_PhaseAdvFinal_Cnt_G_u16[1]	176
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	100
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	150
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2357
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3039
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5628
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	51773
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	51773
PXAccumPrev_Cnt_M_u32[0]	230
PXAccumPrev_Cnt_M_u32[1]	424
PXAccumPrev_Cnt_M_u32[2]	43214
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5745.14014	5745.14014	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	182	182	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	142	142	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2236	2236	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5019	5019	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	16	16	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18016	18016	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17824	17824	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536845947	536845947	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5745	5745	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5503	5503	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.166091919	0.166107178 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	131.130005	131.130005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	55.7999992	55.7999992	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	64.1500015	64.1500015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-118.010002	-118.010002	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	120.710999	120.710999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5628	5628	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.81 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5745.14014
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8275.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	51118
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-19660
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-26214
CDD_Die1RxError_Cnt_G_u16[0]	182
CDD_Die1RxError_Cnt_G_u16[1]	184
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die1RxRevCtr_Cnt_G_u16[0]	166
CDD_Die1RxRevCtr_Cnt_G_u16[1]	168
CDD_Die2RxError_Cnt_G_u16[0]	174
CDD_Die2RxError_Cnt_G_u16[1]	176
CDD_Die2RxMtrPos_Cnt_G_u16[0]	126
CDD_Die2RxMtrPos_Cnt_G_u16[1]	156
CDD_Die2RxRevCtr_Cnt_G_u16[0]	142
CDD_Die2RxRevCtr_Cnt_G_u16[1]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5745
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8275
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5503
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	7901
CDD_ModIdxFinal_Uls_G_u16p16[0]	10885
CDD_ModIdxFinal_Uls_G_u16p16[1]	10892
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	131.130005
CDD_MtrCurrDax_Amp_G_f32[1]	179.600006
CDD_MtrCurrK1_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	65.9000015
CDD_MtrCurrK2_Amps_G_f32[0]	64.1500015
CDD_MtrCurrK2_Amps_G_f32[1]	79.5999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	120.710999
CDD_MtrCurrQax_Amp_G_f32[1]	130.934006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7153
CDD_PhaseAdvFinal_Cnt_G_u16[0]	174
CDD_PhaseAdvFinal_Cnt_G_u16[1]	176
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	100
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	150
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	142
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	158
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5628
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	51773
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	51773
PXAccumPrev_Cnt_M_u32[0]	230
PXAccumPrev_Cnt_M_u32[1]	424
PXAccumPrev_Cnt_M_u32[2]	43214
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✓
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✓
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✓
target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16.value	142	142	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5745.14014	5745.14014	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.299987793	-0.300003052 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	182	182	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	2357	2357	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	166	166	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	174	174	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	126	126	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	142	142	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2236	2236	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5019	5019	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	16	16	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18016	18016	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17824	17824	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536845947	536845947	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5745	5745	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5503	5503	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.166091919	0.166107178 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	131.130005	131.130005	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	55.7999992	55.7999992	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	64.1500015	64.1500015	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-118.010002	-118.010002	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	120.710999	120.710999	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	100	100	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5628	5628	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.82 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5628.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8097.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	51773
CDD_CumMechMtrPos_Rev_G_s15p16[0]	20971
CDD_CumMechMtrPos_Rev_G_s15p16[1]	26869
CDD_Die1RxError_Cnt_G_u16[0]	190
CDD_Die1RxError_Cnt_G_u16[1]	192
CDD_Die1RxMtrPos_Cnt_G_u16[0]	142
CDD_Die1RxMtrPos_Cnt_G_u16[1]	158
CDD_Die1RxRevCtr_Cnt_G_u16[0]	174
CDD_Die1RxRevCtr_Cnt_G_u16[1]	176
CDD_Die2RxError_Cnt_G_u16[0]	182
CDD_Die2RxError_Cnt_G_u16[1]	184
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die2RxRevCtr_Cnt_G_u16[0]	166
CDD_Die2RxRevCtr_Cnt_G_u16[1]	168
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5628
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8097
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	5624
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	8088
CDD_ModIdxFinal_Uls_G_u16p16[0]	8100
CDD_ModIdxFinal_Uls_G_u16p16[1]	8106
CDD_MtrCurr1_Volts_G_f32[0]	2.01452351
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363
CDD_MtrCurrDax_Amp_G_f32[0]	-200.130005
CDD_MtrCurrDax_Amp_G_f32[1]	-146.240005
CDD_MtrCurrK1_Amps_G_f32[0]	35.7400017
CDD_MtrCurrK1_Amps_G_f32[1]	29.7099991
CDD_MtrCurrK2_Amps_G_f32[0]	6.26999998
CDD_MtrCurrK2_Amps_G_f32[1]	11.2799997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	141.156998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	151.380005
CDD_MtrCurrQax_Amp_G_f32[0]	144.751007
CDD_MtrCurrQax_Amp_G_f32[1]	155.233994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1026
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1040
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	222
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	368
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6567
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8910
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3809
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5283
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	126
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	156
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	150
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	159
CDD_SysCVSwitchADC_Cnt_G_u16[0]	254
CDD_SysCVSwitchADC_Cnt_G_u16[1]	592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	51773
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	52429
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	51773
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	52429
PXAccumPrev_Cnt_M_u32[0]	238
PXAccumPrev_Cnt_M_u32[1]	480
PXAccumPrev_Cnt_M_u32[2]	44439
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	646047

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18253	18253	✔
PXAccumPrev_Cnt_M_u32[1]	18253	18253	✔
PXAccumPrev_Cnt_M_u32[2]	80755	80755	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	159	159	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01452363	1.01452363 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01452363	1.01452363 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8097.25	8097.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.789993286	0.789993286	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	51773	51773	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.409988403	0.410003662 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1040	1040	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	368	368	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8910	8910	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	495	495	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18015	18015	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17773	17773	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	36316	36316	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8097	8097	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	8088	8088	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.123687744	0.123703003 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-146.240005	-146.240005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	29.7099991	29.7099991	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	11.2799997	11.2799997	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	155.233994	155.233994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	592	592	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.800003052	0.800003052 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	52429	52429	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.83 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2841.84009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3787.28003
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	53084
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	53740
CDD_CumMechMtrPos_Rev_G_s15p16[0]	4521
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4587
CDD_Die1RxError_Cnt_G_u16[0]	0
CDD_Die1RxError_Cnt_G_u16[1]	0
CDD_Die1RxMtrPos_Cnt_G_u16[0]	182
CDD_Die1RxMtrPos_Cnt_G_u16[1]	184
CDD_Die1RxRevCtr_Cnt_G_u16[0]	198
CDD_Die1RxRevCtr_Cnt_G_u16[1]	200
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	174
CDD_Die2RxMtrPos_Cnt_G_u16[1]	176
CDD_Die2RxRevCtr_Cnt_G_u16[0]	190
CDD_Die2RxRevCtr_Cnt_G_u16[1]	192
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	3930
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	5470
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	214
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	312
CDD_ModIdxFinal_Uls_G_u16p16[0]	43247
CDD_ModIdxFinal_Uls_G_u16p16[1]	43253
CDD_MtrCurr1_Volts_G_f32[0]	2.01095629
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641
CDD_MtrCurr2_Volts_G_f32[0]	2.01095629
CDD_MtrCurr2_Volts_G_f32[1]	1.01095641
CDD_MtrCurrDax_Amp_G_f32[0]	46.4199982
CDD_MtrCurrDax_Amp_G_f32[1]	56.9500008
CDD_MtrCurrK1_Amps_G_f32[0]	39.4000015
CDD_MtrCurrK1_Amps_G_f32[1]	32.0499992
CDD_MtrCurrK2_Amps_G_f32[0]	-74
CDD_MtrCurrK2_Amps_G_f32[1]	-64
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	214.837006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	215.839996
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1389
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1543
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	246
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	536
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6779
CDD_PhaseAdvFinal_Cnt_G_u16[0]	126
CDD_PhaseAdvFinal_Cnt_G_u16[1]	156
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	166
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	168
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	158
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	160
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6567
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8910
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	53740
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	54395
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	53740
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	54395
PXAccumPrev_Cnt_M_u32[0]	262
PXAccumPrev_Cnt_M_u32[1]	648
PXAccumPrev_Cnt_M_u32[2]	48114
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145949

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80755	80755	✔
PXAccumPrev_Cnt_M_u32[1]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[2]	18243	18243	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	160	160	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3787.28003	3787.28003	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.820007324	0.820007324	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	53740	53740	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0699920654	0.0700073242 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1543	1543	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	536	536	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	80493	80493	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	67594	67594	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536841041	536841041	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5470	5470	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	312	312	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659988403	0.660003662 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	56.9500008	56.9500008	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	32.0499992	32.0499992	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	215.839996	215.839996	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8910	8910	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.830001831	0.830001831 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	54395	54395	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.84 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	190.257996
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	192.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	53740
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	54394
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4653
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4718
CDD_Die1RxError_Cnt_G_u16[0]	65535
CDD_Die1RxError_Cnt_G_u16[1]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	190
CDD_Die1RxMtrPos_Cnt_G_u16[1]	192
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	3204
CDD_Die2RxError_Cnt_G_u16[1]	4348
CDD_Die2RxMtrPos_Cnt_G_u16[0]	182
CDD_Die2RxMtrPos_Cnt_G_u16[1]	184
CDD_Die2RxRevCtr_Cnt_G_u16[0]	198
CDD_Die2RxRevCtr_Cnt_G_u16[1]	200
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	100
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	150
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	222
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	368
CDD_ModIdxFinal_Uls_G_u16p16[0]	8152
CDD_ModIdxFinal_Uls_G_u16p16[1]	8159
CDD_MtrCurr1_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr1_Volts_G_f32[1]	4.01554298
CDD_MtrCurr2_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr2_Volts_G_f32[1]	4.01554298
CDD_MtrCurrDax_Amp_G_f32[0]	72.3700027
CDD_MtrCurrDax_Amp_G_f32[1]	88.3199997
CDD_MtrCurrK1_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK1_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrK2_Amps_G_f32[0]	75.5
CDD_MtrCurrK2_Amps_G_f32[1]	83.8000031
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	10.25
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	15.3599997
CDD_MtrCurrQax_Amp_G_f32[0]	-176.199997
CDD_MtrCurrQax_Amp_G_f32[1]	-165.716995
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1510
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1730
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	254
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	592
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4898
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6966
CDD_PhaseAdvFinal_Cnt_G_u16[0]	134
CDD_PhaseAdvFinal_Cnt_G_u16[1]	157
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	174
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	176
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	166
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	168
CDD_SysCVSwitchADC_Cnt_G_u16[0]	7688
CDD_SysCVSwitchADC_Cnt_G_u16[1]	9097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	55050
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	55050
PXAccumPrev_Cnt_M_u32[0]	270
PXAccumPrev_Cnt_M_u32[1]	704
PXAccumPrev_Cnt_M_u32[2]	49339
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145956

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18256	18256	✔
PXAccumPrev_Cnt_M_u32[1]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[2]	18244	18244	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	190.257996	190.257996	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.820007324	0.820007324	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	53740	53740	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0709991455	-0.0709991455 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	190	190	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3083	3083	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	182	182	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1510	1510	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	254	254	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4898	4898	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	12	12	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	17986	17986	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	17539	17539	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536839817	536839817	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	100	100	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	222	222	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124389648	0.124404907 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	72.3700027	72.3700027	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-87.8199997	-87.8199997	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	75.5	75.5	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	10.25	10.25	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-176.199997	-176.199997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7688	7688	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.85 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.28711
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	55050
CDD_CumMechMtrPos_Rev_G_s15p16[0]	478
CDD_CumMechMtrPos_Rev_G_s15p16[1]	484
CDD_Die1RxError_Cnt_G_u16[0]	4898
CDD_Die1RxError_Cnt_G_u16[1]	6966
CDD_Die1RxMtrPos_Cnt_G_u16[0]	198
CDD_Die1RxMtrPos_Cnt_G_u16[1]	200
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4348
CDD_Die2RxError_Cnt_G_u16[0]	3325
CDD_Die2RxError_Cnt_G_u16[1]	4535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	190
CDD_Die2RxMtrPos_Cnt_G_u16[1]	192
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4161
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	126
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	156
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	230
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	424
CDD_ModIdxFinal_Uls_G_u16p16[0]	16161
CDD_ModIdxFinal_Uls_G_u16p16[1]	16167
CDD_MtrCurr1_Volts_G_f32[0]	1.01579762
CDD_MtrCurr1_Volts_G_f32[1]	2.01579762
CDD_MtrCurr2_Volts_G_f32[0]	1.01579762
CDD_MtrCurr2_Volts_G_f32[1]	2.01579762
CDD_MtrCurrDax_Amp_G_f32[0]	192.830994
CDD_MtrCurrDax_Amp_G_f32[1]	203.834
CDD_MtrCurrK1_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK1_Amps_G_f32[1]	90.5599976
CDD_MtrCurrK2_Amps_G_f32[0]	50
CDD_MtrCurrK2_Amps_G_f32[1]	60
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	35.8899994
CDD_MtrCurrQax_Amp_G_f32[0]	-201.020004
CDD_MtrCurrQax_Amp_G_f32[1]	-190.276993
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1631
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1917
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	262
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	648
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7153
CDD_PhaseAdvFinal_Cnt_G_u16[0]	142
CDD_PhaseAdvFinal_Cnt_G_u16[1]	158
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	182
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	184
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	174
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	176
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4656
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	55050
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	55706
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	55050
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	55706
PXAccumPrev_Cnt_M_u32[0]	6567
PXAccumPrev_Cnt_M_u32[1]	8910
PXAccumPrev_Cnt_M_u32[2]	50564
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	645963

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	105757	105757	✔
PXAccumPrev_Cnt_M_u32[1]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[2]	80745	80745	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	176	176	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3974.28711	3974.28711	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.839996338	0.839996338	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	55050	55050	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00738525391	0.0074005127 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	6966	6966	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1917	1917	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	648	648	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7153	7153	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	99190	99190	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9334	9334	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	30181	30181	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	156	156	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	424	424	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246688843	0.246704102 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	90.5599976	90.5599976	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	35.8899994	35.8899994	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-190.276993	-190.276993	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6592	6592	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.850006104	0.850006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	55706	55706	✔

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.86 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3083.13989
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4161.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	55050
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	55706
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4915
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4980
CDD_Die1RxError_Cnt_G_u16[0]	190
CDD_Die1RxError_Cnt_G_u16[1]	192
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4535
CDD_Die2RxError_Cnt_G_u16[0]	0
CDD_Die2RxError_Cnt_G_u16[1]	0
CDD_Die2RxMtrPos_Cnt_G_u16[0]	198
CDD_Die2RxMtrPos_Cnt_G_u16[1]	200
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4348
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	2357
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	3039
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	238
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	480
CDD_ModIdxFinal_Uls_G_u16p16[0]	20532
CDD_ModIdxFinal_Uls_G_u16p16[1]	20538
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237
CDD_MtrCurr1_Volts_G_f32[1]	2.01605248
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237
CDD_MtrCurr2_Volts_G_f32[1]	2.01605248
CDD_MtrCurrDax_Amp_G_f32[0]	141.156998
CDD_MtrCurrDax_Amp_G_f32[1]	151.380005
CDD_MtrCurrK1_Amps_G_f32[0]	72.5
CDD_MtrCurrK1_Amps_G_f32[1]	93.2900009
CDD_MtrCurrK2_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	65.9000015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.4199982
CDD_MtrCurrQax_Amp_G_f32[0]	214.837006
CDD_MtrCurrQax_Amp_G_f32[1]	215.839996
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1752
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2104
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	270
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	704
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5140
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7340
CDD_PhaseAdvFinal_Cnt_G_u16[0]	150
CDD_PhaseAdvFinal_Cnt_G_u16[1]	159
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	190
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	192
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	182
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	184
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4777
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6779
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	55706
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	56361
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	55706
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	56361
PXAccumPrev_Cnt_M_u32[0]	7688
PXAccumPrev_Cnt_M_u32[1]	9097
PXAccumPrev_Cnt_M_u32[2]	51789
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145970

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[1]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[2]	18246	18246	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4161.27979	4161.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.850006104	0.850006104	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	55706	55706	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0759887695	-0.0760040283 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2104	2104	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	704	704	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7340	7340	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	60554	60554	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	71648	71648	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536837369	536837369	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	3039	3039	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	480	480	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.31338501	0.313400269 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	93.2900009	93.2900009	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	56.4199982	56.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	215.839996	215.839996	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.860000061	0.860000061 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	56361	56361	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.87 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3204.25806
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4348.25781
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	55706
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	56360
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	878
CDD_Die1RxError_Cnt_G_u16[0]	198
CDD_Die1RxError_Cnt_G_u16[1]	200
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3039
CDD_Die2RxError_Cnt_G_u16[0]	65535
CDD_Die2RxError_Cnt_G_u16[1]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	142
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	158
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2962
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3974
CDD_ModIdxFinal_Uls_G_u16p16[0]	27007
CDD_ModIdxFinal_Uls_G_u16p16[1]	27013
CDD_MtrCurr1_Volts_G_f32[0]	2.01630712
CDD_MtrCurr1_Volts_G_f32[1]	1.01630723
CDD_MtrCurr2_Volts_G_f32[0]	2.01630712
CDD_MtrCurr2_Volts_G_f32[1]	1.01630723
CDD_MtrCurrDax_Amp_G_f32[0]	100.264999
CDD_MtrCurrDax_Amp_G_f32[1]	110.487999
CDD_MtrCurrK1_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK1_Amps_G_f32[1]	96.0390015
CDD_MtrCurrK2_Amps_G_f32[0]	-68.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	-57.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	76.9499969
CDD_MtrCurrQax_Amp_G_f32[0]	10.25
CDD_MtrCurrQax_Amp_G_f32[1]	15.3599997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	278
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	760
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5261
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7527
CDD_PhaseAdvFinal_Cnt_G_u16[0]	158
CDD_PhaseAdvFinal_Cnt_G_u16[1]	160
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	198
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	200
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	190
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	192
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4898
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6966
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	57016
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	57016
PXAccumPrev_Cnt_M_u32[0]	4656
PXAccumPrev_Cnt_M_u32[1]	6592
PXAccumPrev_Cnt_M_u32[2]	53014
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145977

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18243	18243	✓
PXAccumPrev_Cnt_M_u32[1]	18246	18246	✓
PXAccumPrev_Cnt_M_u32[2]	18247	18247	✓
target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16.value	190	190	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3204.25806	3204.25806	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.850006104	0.850006104	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	55706	55706	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	198	198	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3204	3204	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	2357	2357	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3083	3083	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3325	3325	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1873	1873	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	278	278	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5261	5261	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13587	13587	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11654	11654	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536836145	536836145	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	142	142	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	2962	2962	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.412094116	0.412094116 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	100.264999	100.264999	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	74.1699982	74.1699982	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-68.6399994	-68.6399994	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	55.5800018	55.5800018	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	10.25	10.25	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	198	198	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4898	4898	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.88 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3325.25806
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4535.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	57016
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-884
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-891
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	142
CDD_Die1RxRevCtr_Cnt_G_u16[1]	158
CDD_Die2RxError_Cnt_G_u16[0]	5261
CDD_Die2RxError_Cnt_G_u16[1]	7527
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3688
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5096
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	159
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3083
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4161
CDD_ModIdxFinal_Uls_G_u16p16[0]	34347
CDD_ModIdxFinal_Uls_G_u16p16[1]	34353
CDD_MtrCurr1_Volts_G_f32[0]	2.01656199
CDD_MtrCurr1_Volts_G_f32[1]	1.01656199
CDD_MtrCurr2_Volts_G_f32[0]	1.01656199
CDD_MtrCurr2_Volts_G_f32[1]	2.01656199
CDD_MtrCurrDax_Amp_G_f32[0]	-134.268005
CDD_MtrCurrDax_Amp_G_f32[1]	-123.785004
CDD_MtrCurrK1_Amps_G_f32[0]	-74
CDD_MtrCurrK1_Amps_G_f32[1]	-64
CDD_MtrCurrK2_Amps_G_f32[0]	59.1399994
CDD_MtrCurrK2_Amps_G_f32[1]	71.3799973
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQax_Amp_G_f32[1]	35.8899994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5382
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7714
CDD_PhaseAdvFinal_Cnt_G_u16[0]	166
CDD_PhaseAdvFinal_Cnt_G_u16[1]	168
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	198
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	200
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5019
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7153
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	57016
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	57672
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	57016
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	57672
PXAccumPrev_Cnt_M_u32[0]	4777
PXAccumPrev_Cnt_M_u32[1]	6779
PXAccumPrev_Cnt_M_u32[2]	54239
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	200	200	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01656199	1.01656199 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01656199	2.01656199 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4535.27979	4535.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.869995117	0.869995117	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	57016	57016	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0135955811	-0.0135955811 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	7527	7527	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5096	5096	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2478	2478	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	816	816	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7714	7714	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	15	15	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13467	13467	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11468	11468	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	51509	51509	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	159	159	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4161	4161	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524185181	0.524200439 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-123.785004	-123.785004	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	71.3799973	71.3799973	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	35.8899994	35.8899994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.880004883	0.880004883 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	57672	57672	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.89 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4530.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	5471.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	57016
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	57672
CDD_CumMechMtrPos_Rev_G_s15p16[0]	0
CDD_CumMechMtrPos_Rev_G_s15p16[1]	904
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die1RxRevCtr_Cnt_G_u16[0]	0
CDD_Die1RxRevCtr_Cnt_G_u16[1]	0
CDD_Die2RxError_Cnt_G_u16[0]	190
CDD_Die2RxError_Cnt_G_u16[1]	192
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3809
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5283
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	160
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4348
CDD_ModIdxFinal_Uls_G_u16p16[0]	10885
CDD_ModIdxFinal_Uls_G_u16p16[1]	10892
CDD_MtrCurr1_Volts_G_f32[0]	2.01681685
CDD_MtrCurr1_Volts_G_f32[1]	4.01681662
CDD_MtrCurr2_Volts_G_f32[0]	2.01681685
CDD_MtrCurr2_Volts_G_f32[1]	4.01681662
CDD_MtrCurrDax_Amp_G_f32[0]	147.304993
CDD_MtrCurrDax_Amp_G_f32[1]	158.048004
CDD_MtrCurrK1_Amps_G_f32[0]	75.5
CDD_MtrCurrK1_Amps_G_f32[1]	83.8000031
CDD_MtrCurrK2_Amps_G_f32[0]	60.8100014
CDD_MtrCurrK2_Amps_G_f32[1]	74.1200027
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQax_Amp_G_f32[1]	56.4199982
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5503
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7901
CDD_PhaseAdvFinal_Cnt_G_u16[0]	174
CDD_PhaseAdvFinal_Cnt_G_u16[1]	176
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	206
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	256
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5140
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7340
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	58327
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	58327
PXAccumPrev_Cnt_M_u32[0]	4898
PXAccumPrev_Cnt_M_u32[1]	6966
PXAccumPrev_Cnt_M_u32[2]	55464
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145991

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[1]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[2]	18248	18248	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	256	256	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5471.25	5471.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.880004883	0.880004883	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	57672	57672	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0137939453	0.0137939453 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2665	2665	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7901	7901	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	16	16	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	75847	75847	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	98782	98782	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536833696	536833696	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	160	160	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16619873	0.16619873 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	158.048004	158.048004	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	83.8000031	83.8000031	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	74.1200027	74.1200027	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-85.8000031	-85.8000031	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	56.4199982	56.4199982	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7340	7340	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.88999939	0.88999939 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	58327	58327	✔



# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.90 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	58327
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-910
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-917
CDD_Die1RxError_Cnt_G_u16[0]	3325
CDD_Die1RxError_Cnt_G_u16[1]	4535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	100
CDD_Die1RxMtrPos_Cnt_G_u16[1]	150
CDD_Die1RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[1]	65535
CDD_Die2RxError_Cnt_G_u16[0]	198
CDD_Die2RxError_Cnt_G_u16[1]	200
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5470
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	166
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	168
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3325
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4535
CDD_ModIdxFinal_Uls_G_u16p16[0]	15230
CDD_ModIdxFinal_Uls_G_u16p16[1]	15237
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	-181.828003
CDD_MtrCurrDax_Amp_G_f32[1]	-170.824997
CDD_MtrCurrK1_Amps_G_f32[0]	50
CDD_MtrCurrK1_Amps_G_f32[1]	60
CDD_MtrCurrK2_Amps_G_f32[0]	-76.8600006
CDD_MtrCurrK2_Amps_G_f32[1]	-62.4799995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	100.910004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	138.539993
CDD_MtrCurrQax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQax_Amp_G_f32[1]	76.9499969
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5624
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8088
CDD_PhaseAdvFinal_Cnt_G_u16[0]	214
CDD_PhaseAdvFinal_Cnt_G_u16[1]	312
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	5866
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	8462
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5261
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7527
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	58982
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	58982
PXAccumPrev_Cnt_M_u32[0]	5019
PXAccumPrev_Cnt_M_u32[1]	7153
PXAccumPrev_Cnt_M_u32[2]	56689
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5866	5866	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	2962.25	2962.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.013885498	-0.0139007568 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2236	2236	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5624	5624	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	20	20	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13227	13227	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11095	11095	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536832472	536832472	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	166	166	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232391357	0.232406616 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-181.828003	-181.828003	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	50	50	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-76.8600006	-76.8600006	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	100.910004	100.910004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5261	5261	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.91 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	3083.23999
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4161.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	58982
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-530
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-537
CDD_Die1RxError_Cnt_G_u16[0]	3930
CDD_Die1RxError_Cnt_G_u16[1]	5470
CDD_Die1RxMtrPos_Cnt_G_u16[0]	126
CDD_Die1RxMtrPos_Cnt_G_u16[1]	156
CDD_Die1RxRevCtr_Cnt_G_u16[0]	5503
CDD_Die1RxRevCtr_Cnt_G_u16[1]	7901
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	100
CDD_Die2RxMtrPos_Cnt_G_u16[1]	150
CDD_Die2RxRevCtr_Cnt_G_u16[0]	100
CDD_Die2RxRevCtr_Cnt_G_u16[1]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	174
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	176
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3446
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4722
CDD_ModIdxFinal_Uls_G_u16p16[0]	24189
CDD_ModIdxFinal_Uls_G_u16p16[1]	24195
CDD_MtrCurr1_Volts_G_f32[0]	1.01732635
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635
CDD_MtrCurr2_Volts_G_f32[0]	2.01732635
CDD_MtrCurr2_Volts_G_f32[1]	1.01732635
CDD_MtrCurrDax_Amp_G_f32[0]	194.345001
CDD_MtrCurrDax_Amp_G_f32[1]	205.608002
CDD_MtrCurrK1_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	65.9000015
CDD_MtrCurrK2_Amps_G_f32[0]	64.1500015
CDD_MtrCurrK2_Amps_G_f32[1]	79.5999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	116.019997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	159.070007
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2357
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	3039
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3446
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4722
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5745
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8275
CDD_PhaseAdvFinal_Cnt_G_u16[0]	222
CDD_PhaseAdvFinal_Cnt_G_u16[1]	368
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2962
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3974
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	7688
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	9097
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5382
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7714
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	22282
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	22938
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	22282
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	22938
PXAccumPrev_Cnt_M_u32[0]	5140
PXAccumPrev_Cnt_M_u32[1]	7340
PXAccumPrev_Cnt_M_u32[2]	57914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146005

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USe	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USe		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USe	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USe		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[1]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[2]	18250	18250	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	9097	9097	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01732635	2.01732635 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01732635	1.01732635 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4161.27979	4161.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.899993896	0.899993896	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	58982	58982	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.00819396973	-0.00819396973 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3039	3039	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8275	8275	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	34	34	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13107	13107	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10909	10909	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536831248	536831248	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USe	176	176	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USe	4722	4722	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.369186401	0.36920166 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	205.608002	205.608002	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	79.5999985	79.5999985	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	159.070007	159.070007	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3974	3974	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.350006104	0.350006104 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	22938	22938	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.92 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	6229.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	9023.54004
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	22282
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	22938
CDD_CumMechMtrPos_Rev_G_s15p16[0]	655
CDD_CumMechMtrPos_Rev_G_s15p16[1]	1310
CDD_Die1RxError_Cnt_G_u16[0]	100
CDD_Die1RxError_Cnt_G_u16[1]	150
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die1RxRevCtr_Cnt_G_u16[0]	190
CDD_Die1RxRevCtr_Cnt_G_u16[1]	192
CDD_Die2RxError_Cnt_G_u16[0]	3204
CDD_Die2RxError_Cnt_G_u16[1]	4348
CDD_Die2RxMtrPos_Cnt_G_u16[0]	126
CDD_Die2RxMtrPos_Cnt_G_u16[1]	156
CDD_Die2RxRevCtr_Cnt_G_u16[0]	0
CDD_Die2RxRevCtr_Cnt_G_u16[1]	0
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	182
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	184
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3567
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4909
CDD_ModIdxFinal_Uls_G_u16p16[0]	8100
CDD_ModIdxFinal_Uls_G_u16p16[1]	8106
CDD_MtrCurr1_Volts_G_f32[0]	2.01452351
CDD_MtrCurr1_Volts_G_f32[1]	1.01452363
CDD_MtrCurr2_Volts_G_f32[0]	2.01452351
CDD_MtrCurr2_Volts_G_f32[1]	1.01452363
CDD_MtrCurrDax_Amp_G_f32[0]	120.710999
CDD_MtrCurrDax_Amp_G_f32[1]	130.934006
CDD_MtrCurrK1_Amps_G_f32[0]	35.7400017
CDD_MtrCurrK1_Amps_G_f32[1]	29.7099991
CDD_MtrCurrK2_Amps_G_f32[0]	6.26999998
CDD_MtrCurrK2_Amps_G_f32[1]	11.2799997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	141.156998
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	151.380005
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1026
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1040
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	222
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	368
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5628
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8097
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3809
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5283
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	222
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	368
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5503
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7901
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	22938
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	23593
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	22938
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	23593
PXAccumPrev_Cnt_M_u32[0]	5261
PXAccumPrev_Cnt_M_u32[1]	7527
PXAccumPrev_Cnt_M_u32[2]	59139
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146026
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	646047

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18253	18253	✓
PXAccumPrev_Cnt_M_u32[1]	18253	18253	✓
PXAccumPrev_Cnt_M_u32[2]	80755	80755	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	368	368	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01452363	1.01452363 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01452363	1.01452363 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	9023.54004	9023.54004	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.350006104	0.350006104	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	22938	22938	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0199890137	0.0200042725 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	192	192	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4348	4348	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	156	156	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1040	1040	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	368	368	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8097	8097	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	495	495	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12992	12992	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10726	10726	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	21616	21616	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	184	184	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4909	4909	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.123687744	0.123703003 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	130.934006	130.934006	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	29.7099991	29.7099991	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	11.2799997	11.2799997	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	151.380005	151.380005	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	151.380005	151.380005	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7901	7901	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.36000061	0.36000061 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	23593	23593	✓



# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.93 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	6350.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	9210.28027
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	22938
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	23592
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-1966
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-2621
CDD_Die1RxError_Cnt_G_u16[0]	126
CDD_Die1RxError_Cnt_G_u16[1]	156
CDD_Die1RxMtrPos_Cnt_G_u16[0]	142
CDD_Die1RxMtrPos_Cnt_G_u16[1]	158
CDD_Die1RxRevCtr_Cnt_G_u16[0]	198
CDD_Die1RxRevCtr_Cnt_G_u16[1]	200
CDD_Die2RxError_Cnt_G_u16[0]	3325
CDD_Die2RxError_Cnt_G_u16[1]	4535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die2RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[1]	65535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	190
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	192
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3688
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5096
CDD_ModIdxFinal_Uls_G_u16p16[0]	16108
CDD_ModIdxFinal_Uls_G_u16p16[1]	16115
CDD_MtrCurr1_Volts_G_f32[0]	2.01477838
CDD_MtrCurr1_Volts_G_f32[1]	1.01477838
CDD_MtrCurr2_Volts_G_f32[0]	1.01477838
CDD_MtrCurr2_Volts_G_f32[1]	2.01477838
CDD_MtrCurrDax_Amp_G_f32[0]	144.751007
CDD_MtrCurrDax_Amp_G_f32[1]	155.233994
CDD_MtrCurrK1_Amps_G_f32[0]	36.9599991
CDD_MtrCurrK1_Amps_G_f32[1]	30.4899998
CDD_MtrCurrK2_Amps_G_f32[0]	34
CDD_MtrCurrK2_Amps_G_f32[1]	54
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-176.199997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-165.716995
CDD_MtrCurrQax_Amp_G_f32[0]	100.264999
CDD_MtrCurrQax_Amp_G_f32[1]	110.487999
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1147
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1169
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	230
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	424
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4656
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6592
CDD_PhaseAdvFinal_Cnt_G_u16[0]	3930
CDD_PhaseAdvFinal_Cnt_G_u16[1]	5470
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	230
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	424
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5624
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8088
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	24248
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	24248
PXAccumPrev_Cnt_M_u32[0]	5382
PXAccumPrev_Cnt_M_u32[1]	7714
PXAccumPrev_Cnt_M_u32[2]	60364
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	346033
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146054

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[1]	43254	43254	✔
PXAccumPrev_Cnt_M_u32[2]	18256	18256	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	230	230	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01477838	2.01477838 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01477838	1.01477838 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6350.27979	6350.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.350006104	0.350006104	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	22938	22938	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0299987793	-0.0299987793 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	142	142	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1147	1147	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	230	230	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4656	4656	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	368	368	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	37872	37872	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	35540	35540	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536828804	536828804	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	190	190	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3688	3688	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.245788574	0.245803833 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	144.751007	144.751007	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	36.9599991	36.9599991	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	34	34	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-176.199997	-176.199997	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	100.264999	100.264999	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5624	5624	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.94 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5503.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	7901.77979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	24248
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3276
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3932
CDD_Die1RxError_Cnt_G_u16[0]	2357
CDD_Die1RxError_Cnt_G_u16[1]	3039
CDD_Die1RxMtrPos_Cnt_G_u16[0]	166
CDD_Die1RxMtrPos_Cnt_G_u16[1]	168
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	3930
CDD_Die2RxError_Cnt_G_u16[1]	5470
CDD_Die2RxMtrPos_Cnt_G_u16[0]	142
CDD_Die2RxMtrPos_Cnt_G_u16[1]	158
CDD_Die2RxRevCtr_Cnt_G_u16[0]	5745
CDD_Die2RxRevCtr_Cnt_G_u16[1]	8275
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	198
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	200
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3809
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5283
CDD_ModIdxFinal_Uls_G_u16p16[0]	38469
CDD_ModIdxFinal_Uls_G_u16p16[1]	57606
CDD_MtrCurr1_Volts_G_f32[0]	1.01503325
CDD_MtrCurr1_Volts_G_f32[1]	2.01503325
CDD_MtrCurr2_Volts_G_f32[0]	2.01503325
CDD_MtrCurr2_Volts_G_f32[1]	1.01503325
CDD_MtrCurrDax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrDax_Amp_G_f32[1]	76.9499969
CDD_MtrCurrK1_Amps_G_f32[0]	38.1800003
CDD_MtrCurrK1_Amps_G_f32[1]	31.2700005
CDD_MtrCurrK2_Amps_G_f32[0]	59.2700005
CDD_MtrCurrK2_Amps_G_f32[1]	67.8899994
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-201.020004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-190.276993
CDD_MtrCurrQax_Amp_G_f32[0]	-134.268005
CDD_MtrCurrQax_Amp_G_f32[1]	-123.785004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1268
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1356
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	238
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	480
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6779
CDD_PhaseAdvFinal_Cnt_G_u16[0]	100
CDD_PhaseAdvFinal_Cnt_G_u16[1]	150
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	238
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	480
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5745
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8275
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	24248
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	24904
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	24248
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	24904
PXAccumPrev_Cnt_M_u32[0]	6567
PXAccumPrev_Cnt_M_u32[1]	8910
PXAccumPrev_Cnt_M_u32[2]	50564
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	146040
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	846061

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18255	18255	✔
PXAccumPrev_Cnt_M_u32[1]	18255	18255	✔
PXAccumPrev_Cnt_M_u32[2]	105757	105757	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	480	480	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01503325	2.01503325 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01503325	1.01503325 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	7901.77979	7901.77979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.369995117	0.369995117	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	24248	24248	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0599975586	0.0599975586 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1356	1356	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	480	480	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	11688	11688	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	9345	9345	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	55193	55193	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	200	200	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5283	5283	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.878997803	0.878997803 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	76.9499969	76.9499969	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	31.2700005	31.2700005	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	67.8899994	67.8899994	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-190.276993	-190.276993	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-123.785004	-123.785004	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.380004883	0.380004883 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	24904	24904	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.95 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	24248
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	24904
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4587
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-5242
CDD_Die1RxError_Cnt_G_u16[0]	166
CDD_Die1RxError_Cnt_G_u16[1]	168
CDD_Die1RxMtrPos_Cnt_G_u16[0]	0
CDD_Die1RxMtrPos_Cnt_G_u16[1]	0
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4348
CDD_Die2RxError_Cnt_G_u16[0]	100
CDD_Die2RxError_Cnt_G_u16[1]	150
CDD_Die2RxMtrPos_Cnt_G_u16[0]	166
CDD_Die2RxMtrPos_Cnt_G_u16[1]	168
CDD_Die2RxRevCtr_Cnt_G_u16[0]	190
CDD_Die2RxRevCtr_Cnt_G_u16[1]	192
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	206
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	256
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3930
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5470
CDD_ModIdxFinal_Uls_G_u16p16[0]	43247
CDD_ModIdxFinal_Uls_G_u16p16[1]	43253
CDD_MtrCurr1_Volts_G_f32[0]	2.01095629
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641
CDD_MtrCurr2_Volts_G_f32[0]	2.01095629
CDD_MtrCurr2_Volts_G_f32[1]	1.01095641
CDD_MtrCurrDax_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrDax_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrK1_Amps_G_f32[0]	39.4000015
CDD_MtrCurrK1_Amps_G_f32[1]	32.0499992
CDD_MtrCurrK2_Amps_G_f32[0]	-74
CDD_MtrCurrK2_Amps_G_f32[1]	-64
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	214.837006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	215.839996
CDD_MtrCurrQax_Amp_G_f32[0]	147.304993
CDD_MtrCurrQax_Amp_G_f32[1]	158.048004
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1389
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1543
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	246
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	536
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	6567
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8910
CDD_PhaseAdvFinal_Cnt_G_u16[0]	126
CDD_PhaseAdvFinal_Cnt_G_u16[1]	156
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3446
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4722
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3204
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4348
CDD_SysCVSwitchADC_Cnt_G_u16[0]	254
CDD_SysCVSwitchADC_Cnt_G_u16[1]	592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	25559
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	25559
PXAccumPrev_Cnt_M_u32[0]	7688
PXAccumPrev_Cnt_M_u32[1]	9097
PXAccumPrev_Cnt_M_u32[2]	51789
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145949

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80755	80755	✔
PXAccumPrev_Cnt_M_u32[1]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[2]	18243	18243	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.27979	8088.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.380004883	0.380004883	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	24904	24904	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0799865723	-0.0800018311 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1543	1543	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	536	536	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8910	8910	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	73067	73067	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	59145	59145	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536837366	536837366	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	256	256	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5470	5470	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659988403	0.660003662 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	32.0499992	32.0499992	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	215.839996	215.839996	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	158.048004	158.048004	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4722	4722	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	592	592	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.38999939	0.38999939 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	25559	25559	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.96 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5745.14014
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8275.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	25559
CDD_CumMechMtrPos_Rev_G_s15p16[0]	5898
CDD_CumMechMtrPos_Rev_G_s15p16[1]	655
CDD_Die1RxError_Cnt_G_u16[0]	174
CDD_Die1RxError_Cnt_G_u16[1]	176
CDD_Die1RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4535
CDD_Die2RxError_Cnt_G_u16[0]	126
CDD_Die2RxError_Cnt_G_u16[1]	156
CDD_Die2RxMtrPos_Cnt_G_u16[0]	174
CDD_Die2RxMtrPos_Cnt_G_u16[1]	176
CDD_Die2RxRevCtr_Cnt_G_u16[0]	198
CDD_Die2RxRevCtr_Cnt_G_u16[1]	200
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5866
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8462
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	100
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	150
CDD_ModIdxFinal_Uls_G_u16p16[0]	8152
CDD_ModIdxFinal_Uls_G_u16p16[1]	8159
CDD_MtrCurr1_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr1_Volts_G_f32[1]	4.01554298
CDD_MtrCurr2_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr2_Volts_G_f32[1]	4.01554298
CDD_MtrCurrDax_Amp_G_f32[0]	-118.010002
CDD_MtrCurrDax_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrK1_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK1_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrK2_Amps_G_f32[0]	75.5
CDD_MtrCurrK2_Amps_G_f32[1]	83.8000031
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	10.25
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	15.3599997
CDD_MtrCurrQax_Amp_G_f32[0]	-181.828003
CDD_MtrCurrQax_Amp_G_f32[1]	-170.824997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1510
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1730
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	254
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	592
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	7688
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	9097
CDD_PhaseAdvFinal_Cnt_G_u16[0]	134
CDD_PhaseAdvFinal_Cnt_G_u16[1]	157
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3567
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4909
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3325
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	262
CDD_SysCVSwitchADC_Cnt_G_u16[1]	648
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	26214
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	26214
PXAccumPrev_Cnt_M_u32[0]	4656
PXAccumPrev_Cnt_M_u32[1]	6592
PXAccumPrev_Cnt_M_u32[2]	53014
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145956

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u32	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18256	18256	✔
PXAccumPrev_Cnt_M_u32[1]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[2]	18244	18244	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5745.14014	5745.14014	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0899963379	0.0899963379 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1510	1510	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	254	254	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7688	7688	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	12	12	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13600	13600	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11651	11651	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536836142	536836142	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5866	5866	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	100	100	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124389648	0.124404907 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-118.010002	-118.010002	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-87.8199997	-87.8199997	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	75.5	75.5	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	10.25	10.25	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-181.828003	-181.828003	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3567	3567	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	262	262	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.97 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5628.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8097.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	26214
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-7208
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-7864
CDD_Die1RxError_Cnt_G_u16[0]	182
CDD_Die1RxError_Cnt_G_u16[1]	184
CDD_Die1RxMtrPos_Cnt_G_u16[0]	5503
CDD_Die1RxMtrPos_Cnt_G_u16[1]	7901
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die1RxRevCtr_Cnt_G_u16[1]	5470
CDD_Die2RxError_Cnt_G_u16[0]	2357
CDD_Die2RxError_Cnt_G_u16[1]	3039
CDD_Die2RxMtrPos_Cnt_G_u16[0]	100
CDD_Die2RxMtrPos_Cnt_G_u16[1]	150
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4161
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5987
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8649
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	126
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	156
CDD_ModIdxFinal_Uls_G_u16p16[0]	16161
CDD_ModIdxFinal_Uls_G_u16p16[1]	16167
CDD_MtrCurr1_Volts_G_f32[0]	1.01579762
CDD_MtrCurr1_Volts_G_f32[1]	2.01579762
CDD_MtrCurr2_Volts_G_f32[0]	1.01579762
CDD_MtrCurr2_Volts_G_f32[1]	2.01579762
CDD_MtrCurrDax_Amp_G_f32[0]	100.910004
CDD_MtrCurrDax_Amp_G_f32[1]	138.539993
CDD_MtrCurrK1_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK1_Amps_G_f32[1]	90.5599976
CDD_MtrCurrK2_Amps_G_f32[0]	50
CDD_MtrCurrK2_Amps_G_f32[1]	60
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	35.8899994
CDD_MtrCurrQax_Amp_G_f32[0]	194.345001
CDD_MtrCurrQax_Amp_G_f32[1]	205.608002
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1631
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1917
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	262
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	648
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4656
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6592
CDD_PhaseAdvFinal_Cnt_G_u16[0]	142
CDD_PhaseAdvFinal_Cnt_G_u16[1]	158
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3688
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5096
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3930
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5470
CDD_SysCVSwitchADC_Cnt_G_u16[0]	270
CDD_SysCVSwitchADC_Cnt_G_u16[1]	704
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	26214
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	26870
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	26214
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	26870
PXAccumPrev_Cnt_M_u32[0]	4777
PXAccumPrev_Cnt_M_u32[1]	6779
PXAccumPrev_Cnt_M_u32[2]	54239
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	645963

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	105757	105757	✓
PXAccumPrev_Cnt_M_u32[1]	18244	18244	✓
PXAccumPrev_Cnt_M_u32[2]	80745	80745	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8097.25	8097.25	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.399993896	0.399993896	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	26214	26214	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.119995117	-0.119995117 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	184	184	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	7901	7901	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1917	1917	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	648	648	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6592	6592	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	14	14	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	100980	100980	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11465	11465	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	26506	26506	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8649	8649	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	156	156	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246688843	0.246704102 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	138.539993	138.539993	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	90.5599976	90.5599976	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	60	60	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	35.8899994	35.8899994	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	205.608002	205.608002	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5096	5096	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	704	704	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.410003662	0.410003662 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	26870	26870	✓

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.98 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2599.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3413.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	26214
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	26870
CDD_CumMechMtrPos_Rev_G_s15p16[0]	8519
CDD_CumMechMtrPos_Rev_G_s15p16[1]	9175
CDD_Die1RxError_Cnt_G_u16[0]	190
CDD_Die1RxError_Cnt_G_u16[1]	192
CDD_Die1RxMtrPos_Cnt_G_u16[0]	190
CDD_Die1RxMtrPos_Cnt_G_u16[1]	192
CDD_Die1RxRevCtr_Cnt_G_u16[0]	100
CDD_Die1RxRevCtr_Cnt_G_u16[1]	150
CDD_Die2RxError_Cnt_G_u16[0]	166
CDD_Die2RxError_Cnt_G_u16[1]	168
CDD_Die2RxMtrPos_Cnt_G_u16[0]	0
CDD_Die2RxMtrPos_Cnt_G_u16[1]	0
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3204
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4348
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6108
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8836
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2357
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3039
CDD_ModIdxFinal_Uls_G_u16p16[0]	20532
CDD_ModIdxFinal_Uls_G_u16p16[1]	20538
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237
CDD_MtrCurr1_Volts_G_f32[1]	2.01605248
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237
CDD_MtrCurr2_Volts_G_f32[1]	2.01605248
CDD_MtrCurrDax_Amp_G_f32[0]	116.019997
CDD_MtrCurrDax_Amp_G_f32[1]	159.070007
CDD_MtrCurrK1_Amps_G_f32[0]	72.5
CDD_MtrCurrK1_Amps_G_f32[1]	93.2900009
CDD_MtrCurrK2_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	65.9000015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.4199982
CDD_MtrCurrQax_Amp_G_f32[0]	120.710999
CDD_MtrCurrQax_Amp_G_f32[1]	130.934006
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1752
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2104
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	270
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	704
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6779
CDD_PhaseAdvFinal_Cnt_G_u16[0]	150
CDD_PhaseAdvFinal_Cnt_G_u16[1]	159
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3809
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	5283
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	100
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	150
CDD_SysCVSwitchADC_Cnt_G_u16[0]	6567
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8910
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	27525
PXAccumPrev_Cnt_M_u32[0]	4898
PXAccumPrev_Cnt_M_u32[1]	6966
PXAccumPrev_Cnt_M_u32[2]	55464
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145970

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[1]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[2]	18246	18246	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3413.25	3413.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.410003662	0.410003662	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	26870	26870	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.13999939	0.13999939 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2104	2104	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	704	704	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	63344	63344	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	73779	73779	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536833694	536833694	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8836	8836	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3039	3039	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.31338501	0.313400269 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	159.070007	159.070007	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	93.2900009	93.2900009	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	56.4199982	56.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	130.934006	130.934006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	5283	5283	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8910	8910	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.419998169	0.419998169 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	27525	27525	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.99 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2720.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3600.28003
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-9830
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-10485
CDD_Die1RxError_Cnt_G_u16[0]	198
CDD_Die1RxError_Cnt_G_u16[1]	200
CDD_Die1RxMtrPos_Cnt_G_u16[0]	198
CDD_Die1RxMtrPos_Cnt_G_u16[1]	200
CDD_Die1RxRevCtr_Cnt_G_u16[0]	126
CDD_Die1RxRevCtr_Cnt_G_u16[1]	156
CDD_Die2RxError_Cnt_G_u16[0]	174
CDD_Die2RxError_Cnt_G_u16[1]	176
CDD_Die2RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3325
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4535
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6229
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9023
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	142
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	158
CDD_ModIdxFinal_Uls_G_u16p16[0]	27007
CDD_ModIdxFinal_Uls_G_u16p16[1]	27013
CDD_MtrCurr1_Volts_G_f32[0]	2.01630712
CDD_MtrCurr1_Volts_G_f32[1]	1.01630723
CDD_MtrCurr2_Volts_G_f32[0]	2.01630712
CDD_MtrCurr2_Volts_G_f32[1]	1.01630723
CDD_MtrCurrDax_Amp_G_f32[0]	131.130005
CDD_MtrCurrDax_Amp_G_f32[1]	179.600006
CDD_MtrCurrK1_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK1_Amps_G_f32[1]	96.0390015
CDD_MtrCurrK2_Amps_G_f32[0]	-68.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	-57.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	76.9499969
CDD_MtrCurrQax_Amp_G_f32[0]	144.751007
CDD_MtrCurrQax_Amp_G_f32[1]	155.233994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	278
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	760
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4898
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6966
CDD_PhaseAdvFinal_Cnt_G_u16[0]	158
CDD_PhaseAdvFinal_Cnt_G_u16[1]	160
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	100
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	150
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	126
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	156
CDD_SysCVSwitchADC_Cnt_G_u16[0]	7688
CDD_SysCVSwitchADC_Cnt_G_u16[1]	9097
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28180
PXAccumPrev_Cnt_M_u32[0]	5019
PXAccumPrev_Cnt_M_u32[1]	7153
PXAccumPrev_Cnt_M_u32[2]	56689
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145977

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[1]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[2]	18247	18247	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	2720.28003	2720.28003	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.149993896	-0.149993896 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1873	1873	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	278	278	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4898	4898	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13224	13224	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11093	11093	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536832470	536832470	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	6229	6229	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	142	142	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.412094116	0.412094116 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	131.130005	131.130005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	74.1699982	74.1699982	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-68.6399994	-68.6399994	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	144.751007	144.751007	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	100	100	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7688	7688	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.100 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2841.84009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3787.28003
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_CumMechMtrPos_Rev_G_s15p16[0]	30801
CDD_CumMechMtrPos_Rev_G_s15p16[1]	31457
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3039
CDD_Die2RxError_Cnt_G_u16[0]	182
CDD_Die2RxError_Cnt_G_u16[1]	184
CDD_Die2RxMtrPos_Cnt_G_u16[0]	4656
CDD_Die2RxMtrPos_Cnt_G_u16[1]	6592
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5470
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6350
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9210
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	150
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	159
CDD_ModIdxFinal_Uls_G_u16p16[0]	34347
CDD_ModIdxFinal_Uls_G_u16p16[1]	34353
CDD_MtrCurr1_Volts_G_f32[0]	2.01656199
CDD_MtrCurr1_Volts_G_f32[1]	1.01656199
CDD_MtrCurr2_Volts_G_f32[0]	1.01656199
CDD_MtrCurr2_Volts_G_f32[1]	2.01656199
CDD_MtrCurrDax_Amp_G_f32[0]	-200.130005
CDD_MtrCurrDax_Amp_G_f32[1]	-146.240005
CDD_MtrCurrK1_Amps_G_f32[0]	-74
CDD_MtrCurrK1_Amps_G_f32[1]	-64
CDD_MtrCurrK2_Amps_G_f32[0]	59.1399994
CDD_MtrCurrK2_Amps_G_f32[1]	71.3799973
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	-168.791
CDD_MtrCurrQax_Amp_G_f32[1]	-159.533997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7153
CDD_PhaseAdvFinal_Cnt_G_u16[0]	166
CDD_PhaseAdvFinal_Cnt_G_u16[1]	168
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2357
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3039
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4656
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28836
PXAccumPrev_Cnt_M_u32[0]	5140
PXAccumPrev_Cnt_M_u32[1]	7340
PXAccumPrev_Cnt_M_u32[2]	57914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_Usec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_Usec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_Usec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_Usec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✓
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✓
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01656199	1.01656199 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01656199	2.01656199 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3787.28003	3787.28003	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.429992676	0.429992676	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28180	28180	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.479995728	0.479995728 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	184	184	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	6592	6592	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2478	2478	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	816	816	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7153	7153	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	15	15	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13104	13104	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10907	10907	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	47834	47834	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_Usec_u32.value	9210	9210	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_Usec_u32.value	159	159	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524185181	0.524200439 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-146.240005	-146.240005	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-64	-64	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	71.3799973	71.3799973	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-159.533997	-159.533997	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4348	4348	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6592	6592	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.440002441	0.440002441 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	28836	28836	✓

# TEST DETAILS REPORT

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.101 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	190.257996
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	192.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3211
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3276
CDD_Die1RxError_Cnt_G_u16[0]	166
CDD_Die1RxError_Cnt_G_u16[1]	168
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die1RxRevCtr_Cnt_G_u16[0]	166
CDD_Die1RxRevCtr_Cnt_G_u16[1]	168
CDD_Die2RxError_Cnt_G_u16[0]	190
CDD_Die2RxError_Cnt_G_u16[1]	192
CDD_Die2RxMtrPos_Cnt_G_u16[0]	190
CDD_Die2RxMtrPos_Cnt_G_u16[1]	192
CDD_Die2RxRevCtr_Cnt_G_u16[0]	100
CDD_Die2RxRevCtr_Cnt_G_u16[1]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	160
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4348
CDD_ModIdxFinal_Uls_G_u16p16[0]	10885
CDD_ModIdxFinal_Uls_G_u16p16[1]	10892
CDD_MtrCurr1_Volts_G_f32[0]	2.01681685
CDD_MtrCurr1_Volts_G_f32[1]	4.01681662
CDD_MtrCurr2_Volts_G_f32[0]	2.01681685
CDD_MtrCurr2_Volts_G_f32[1]	4.01681662
CDD_MtrCurrDax_Amp_G_f32[0]	-210.660004
CDD_MtrCurrDax_Amp_G_f32[1]	-161.350006
CDD_MtrCurrK1_Amps_G_f32[0]	75.5
CDD_MtrCurrK1_Amps_G_f32[1]	83.8000031
CDD_MtrCurrK2_Amps_G_f32[0]	60.8100014
CDD_MtrCurrK2_Amps_G_f32[1]	74.1200027
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5140
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7340
CDD_PhaseAdvFinal_Cnt_G_u16[0]	174
CDD_PhaseAdvFinal_Cnt_G_u16[1]	176
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	0
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	142
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	158
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4777
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6779
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	29491
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	29491
PXAccumPrev_Cnt_M_u32[0]	5140
PXAccumPrev_Cnt_M_u32[1]	7340
PXAccumPrev_Cnt_M_u32[2]	57914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145991

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[1]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[2]	18248	18248	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	192.25	192.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.440002441	0.440002441	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28836	28836	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.049987793	-0.0500030518 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2665	2665	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7340	7340	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	16	16	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	75605	75605	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	98408	98408	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536831246	536831246	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	160	160	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16619873	0.16619873 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-161.350006	-161.350006	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	83.8000031	83.8000031	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	74.1200027	74.1200027	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-85.8000031	-85.8000031	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.449996948	0.449996948 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	29491	29491	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.102 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.28003
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.28711
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	29491
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3342
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3407
CDD_Die1RxError_Cnt_G_u16[0]	174
CDD_Die1RxError_Cnt_G_u16[1]	176
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	174
CDD_Die1RxRevCtr_Cnt_G_u16[1]	176
CDD_Die2RxError_Cnt_G_u16[0]	198
CDD_Die2RxError_Cnt_G_u16[1]	200
CDD_Die2RxMtrPos_Cnt_G_u16[0]	198
CDD_Die2RxMtrPos_Cnt_G_u16[1]	200
CDD_Die2RxRevCtr_Cnt_G_u16[0]	126
CDD_Die2RxRevCtr_Cnt_G_u16[1]	156
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	166
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	168
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3325
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4535
CDD_ModIdxFinal_Uls_G_u16p16[0]	15230
CDD_ModIdxFinal_Uls_G_u16p16[1]	15237
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	-25.5799999
CDD_MtrCurrDax_Amp_G_f32[1]	-20.4699993
CDD_MtrCurrK1_Amps_G_f32[0]	50
CDD_MtrCurrK1_Amps_G_f32[1]	60
CDD_MtrCurrK2_Amps_G_f32[0]	-76.8600006
CDD_MtrCurrK2_Amps_G_f32[1]	-62.4799995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	100.910004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	138.539993
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5261
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7527
CDD_PhaseAdvFinal_Cnt_G_u16[0]	214
CDD_PhaseAdvFinal_Cnt_G_u16[1]	312
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	65535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	166
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	168
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4898
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6966
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	29491
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	30146
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	29491
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	30146
PXAccumPrev_Cnt_M_u32[0]	5261
PXAccumPrev_Cnt_M_u32[1]	7527
PXAccumPrev_Cnt_M_u32[2]	59139
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✔
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	2962.28003	2962.28003	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.050994873	0.050994873 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2236	2236	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5261	5261	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	20	20	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12985	12985	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10721	10721	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536830022	536830022	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	166	166	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3325	3325	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232391357	0.232406616 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-25.5799999	-25.5799999	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	50	50	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-76.8600006	-76.8600006	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	100.910004	100.910004	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	141.156998	141.156998	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4898	4898	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.449996948	0.449996948 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	29491	29491	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.103 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4530.25
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	5471.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	29491
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	30147
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3473
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3538
CDD_Die1RxError_Cnt_G_u16[0]	182
CDD_Die1RxError_Cnt_G_u16[1]	184
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die1RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die1RxRevCtr_Cnt_G_u16[0]	182
CDD_Die1RxRevCtr_Cnt_G_u16[1]	184
CDD_Die2RxError_Cnt_G_u16[0]	3083
CDD_Die2RxError_Cnt_G_u16[1]	4161
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die2RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die2RxRevCtr_Cnt_G_u16[1]	3039
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	174
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	176
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3446
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4722
CDD_ModIdxFinal_Uls_G_u16p16[0]	24189
CDD_ModIdxFinal_Uls_G_u16p16[1]	24195
CDD_MtrCurr1_Volts_G_f32[0]	1.01732635
CDD_MtrCurr1_Volts_G_f32[1]	2.01732635
CDD_MtrCurr2_Volts_G_f32[0]	2.01732635
CDD_MtrCurr2_Volts_G_f32[1]	1.01732635
CDD_MtrCurrDax_Amp_G_f32[0]	46.4199982
CDD_MtrCurrDax_Amp_G_f32[1]	56.9500008
CDD_MtrCurrK1_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK1_Amps_G_f32[1]	65.9000015
CDD_MtrCurrK2_Amps_G_f32[0]	64.1500015
CDD_MtrCurrK2_Amps_G_f32[1]	79.5999985
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	116.019997
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	159.070007
CDD_MtrCurrQax_Amp_G_f32[0]	-176.199997
CDD_MtrCurrQax_Amp_G_f32[1]	-165.716995
CDD_PWMDDutyCycleASum_Cnt_G_u32[0]	2357
CDD_PWMDDutyCycleASum_Cnt_G_u32[1]	3039
CDD_PWMDDutyCycleBSum_Cnt_G_u32[0]	3446
CDD_PWMDDutyCycleBSum_Cnt_G_u32[1]	4722
CDD_PWMDDutyCycleCSum_Cnt_G_u32[0]	5382
CDD_PWMDDutyCycleCSum_Cnt_G_u32[1]	7714
CDD_PhaseAdvFinal_Cnt_G_u16[0]	222
CDD_PhaseAdvFinal_Cnt_G_u16[1]	368
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	5628
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	8097
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3204
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4348
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5019
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7153
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	26214
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	26870
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	26214
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	26870
PXAccumPrev_Cnt_M_u32[0]	5382
PXAccumPrev_Cnt_M_u32[1]	7714
PXAccumPrev_Cnt_M_u32[2]	60364
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145998
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	146005

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[1]	18249	18249	✔
PXAccumPrev_Cnt_M_u32[2]	18250	18250	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01732635	2.01732635 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01732635	1.01732635 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5471.25	5471.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.460006714	0.460006714	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	30147	30147	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0539855957	-0.0540008545 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	3039	3039	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7714	7714	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	34	34	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12865	12865	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10535	10535	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536828798	536828798	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	176	176	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4722	4722	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.369186401	0.36920166 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	56.9500008	56.9500008	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	79.5999985	79.5999985	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	159.070007	159.070007	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-165.716995	-165.716995	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	8097	8097	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7153	7153	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.410003662	0.410003662 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	26870	26870	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.104 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	0
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	26214
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	26870
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3604
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3670
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	100
CDD_Die1RxMtrPos_Cnt_G_u16[1]	150
CDD_Die1RxRevCtr_Cnt_G_u16[0]	190
CDD_Die1RxRevCtr_Cnt_G_u16[1]	192
CDD_Die2RxError_Cnt_G_u16[0]	166
CDD_Die2RxError_Cnt_G_u16[1]	168
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die2RxRevCtr_Cnt_G_u16[0]	166
CDD_Die2RxRevCtr_Cnt_G_u16[1]	168
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	182
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	184
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3567
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4909
CDD_ModIdxFinal_Uls_G_u16p16[0]	43247
CDD_ModIdxFinal_Uls_G_u16p16[1]	43253
CDD_MtrCurr1_Volts_G_f32[0]	2.01095629
CDD_MtrCurr1_Volts_G_f32[1]	1.01095641
CDD_MtrCurr2_Volts_G_f32[0]	2.01095629
CDD_MtrCurr2_Volts_G_f32[1]	1.01095641
CDD_MtrCurrDax_Amp_G_f32[0]	72.3700027
CDD_MtrCurrDax_Amp_G_f32[1]	88.3199997
CDD_MtrCurrK1_Amps_G_f32[0]	39.4000015
CDD_MtrCurrK1_Amps_G_f32[1]	32.0499992
CDD_MtrCurrK2_Amps_G_f32[0]	-74
CDD_MtrCurrK2_Amps_G_f32[1]	-64
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	214.837006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	215.839996
CDD_MtrCurrQax_Amp_G_f32[0]	-201.020004
CDD_MtrCurrQax_Amp_G_f32[1]	-190.276993
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1389
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1543
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	246
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	536
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5503
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7901
CDD_PhaseAdvFinal_Cnt_G_u16[0]	126
CDD_PhaseAdvFinal_Cnt_G_u16[1]	156
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3325
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	4535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5140
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7340
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	27525
PXAccumPrev_Cnt_M_u32[0]	6567
PXAccumPrev_Cnt_M_u32[1]	8910
PXAccumPrev_Cnt_M_u32[2]	50564
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	646047
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145949

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	80755	80755	✓
PXAccumPrev_Cnt_M_u32[1]	68242	68242	✓
PXAccumPrev_Cnt_M_u32[2]	18243	18243	✓
target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	1.01095641	1.01095641 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.410003662	0.410003662	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	26870	26870	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0559997559	0.0559997559 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	150	150	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	192	192	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	168	168	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	4348	4348	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	168	168	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1543	1543	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	536	536	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7901	7901	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	14	14	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	74188	74188	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	59332	59332	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536838591	536838591	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	184	184	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4909	4909	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.659988403	0.660003662 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	88.3199997	88.3199997	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	32.0499992	32.0499992	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-64	-64	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	215.839996	215.839996	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-190.276993	-190.276993	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4535	4535	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7340	7340	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.419998169	0.419998169 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	27525	27525	✓



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.105 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4.2949673e+009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4.2949673e+009
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3735
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3801
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	126
CDD_Die1RxMtrPos_Cnt_G_u16[1]	156
CDD_Die1RxRevCtr_Cnt_G_u16[0]	198
CDD_Die1RxRevCtr_Cnt_G_u16[1]	200
CDD_Die2RxError_Cnt_G_u16[0]	174
CDD_Die2RxError_Cnt_G_u16[1]	176
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die2RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	174
CDD_Die2RxRevCtr_Cnt_G_u16[1]	176
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	190
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	192
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3688
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5096
CDD_ModIdxFinal_Uls_G_u16p16[0]	8152
CDD_ModIdxFinal_Uls_G_u16p16[1]	8159
CDD_MtrCurr1_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr1_Volts_G_f32[1]	4.01554298
CDD_MtrCurr2_Volts_G_f32[0]	0.0155427996
CDD_MtrCurr2_Volts_G_f32[1]	4.01554298
CDD_MtrCurrDax_Amp_G_f32[0]	192.830994
CDD_MtrCurrDax_Amp_G_f32[1]	203.834
CDD_MtrCurrK1_Amps_G_f32[0]	-87.8199997
CDD_MtrCurrK1_Amps_G_f32[1]	-69.1600037
CDD_MtrCurrK2_Amps_G_f32[0]	75.5
CDD_MtrCurrK2_Amps_G_f32[1]	83.8000031
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	10.25
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	15.3599997
CDD_MtrCurrQax_Amp_G_f32[0]	214.837006
CDD_MtrCurrQax_Amp_G_f32[1]	215.839996
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1510
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1730
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	254
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	592
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5624
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8088
CDD_PhaseAdvFinal_Cnt_G_u16[0]	134
CDD_PhaseAdvFinal_Cnt_G_u16[1]	157
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	2962
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	3974
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	3930
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	5470
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5261
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7527
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28180
PXAccumPrev_Cnt_M_u32[0]	4777
PXAccumPrev_Cnt_M_u32[1]	6779
PXAccumPrev_Cnt_M_u32[2]	54239
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	146054
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145956

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18256	18256	✔
PXAccumPrev_Cnt_M_u32[1]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[2]	18244	18244	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	3930	3930	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0.0155427996	0.0155427996 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4.2949673e+009	4.2949673e+009	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0569915771	-0.0570068359 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3204	3204	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1510	1510	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	254	254	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5624	5624	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	12	12	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13479	13479	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11464	11464	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536834917	536834917	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	190	190	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3688	3688	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.124389648	0.124404907 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	192.830994	192.830994	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-87.8199997	-87.8199997	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	75.5	75.5	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	10.25	10.25	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	214.837006	214.837006	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	2962	2962	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5261	5261	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.106 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4777
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	6779
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3866
CDD_CumMechMtrPos_Rev_G_s15p16[1]	3932
CDD_Die1RxError_Cnt_G_u16[0]	3325
CDD_Die1RxError_Cnt_G_u16[1]	4535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die1RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die1RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die1RxRevCtr_Cnt_G_u16[1]	4161
CDD_Die2RxError_Cnt_G_u16[0]	182
CDD_Die2RxError_Cnt_G_u16[1]	184
CDD_Die2RxMtrPos_Cnt_G_u16[0]	3930
CDD_Die2RxMtrPos_Cnt_G_u16[1]	5470
CDD_Die2RxRevCtr_Cnt_G_u16[0]	182
CDD_Die2RxRevCtr_Cnt_G_u16[1]	184
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	198
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	200
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3809
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	5283
CDD_ModIdxFinal_Uls_G_u16p16[0]	16161
CDD_ModIdxFinal_Uls_G_u16p16[1]	16167
CDD_MtrCurr1_Volts_G_f32[0]	1.01579762
CDD_MtrCurr1_Volts_G_f32[1]	2.01579762
CDD_MtrCurr2_Volts_G_f32[0]	1.01579762
CDD_MtrCurr2_Volts_G_f32[1]	2.01579762
CDD_MtrCurrDax_Amp_G_f32[0]	141.156998
CDD_MtrCurrDax_Amp_G_f32[1]	151.380005
CDD_MtrCurrK1_Amps_G_f32[0]	70.8300018
CDD_MtrCurrK1_Amps_G_f32[1]	90.5599976
CDD_MtrCurrK2_Amps_G_f32[0]	50
CDD_MtrCurrK2_Amps_G_f32[1]	60
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	35.8899994
CDD_MtrCurrQax_Amp_G_f32[0]	10.25
CDD_MtrCurrQax_Amp_G_f32[1]	15.3599997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1631
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	1917
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	262
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	648
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5745
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8275
CDD_PhaseAdvFinal_Cnt_G_u16[0]	142
CDD_PhaseAdvFinal_Cnt_G_u16[1]	158
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3083
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4161
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	100
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	150
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5382
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7714
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28836
PXAccumPrev_Cnt_M_u32[0]	4898
PXAccumPrev_Cnt_M_u32[1]	6966
PXAccumPrev_Cnt_M_u32[2]	55464
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	846061
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	645963

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	105757	105757	✔
PXAccumPrev_Cnt_M_u32[1]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[2]	80745	80745	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01579762	2.01579762 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	6779	6779	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.429992676	0.429992676	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28180	28180	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.0599975586	0.0599975586 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	5470	5470	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1917	1917	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	648	648	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8275	8275	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	100859	100859	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	11278	11278	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	25281	25281	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	200	200	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	5283	5283	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.246688843	0.246704102 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	151.380005	151.380005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	90.5599976	90.5599976	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	60	60	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	35.8899994	35.8899994	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	15.3599997	15.3599997	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7714	7714	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.440002441	0.440002441 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	28836	28836	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.107 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5624.16992
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8088.27979
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3997
CDD_CumMechMtrPos_Rev_G_s15p16[1]	4063
CDD_Die1RxError_Cnt_G_u16[0]	2357
CDD_Die1RxError_Cnt_G_u16[1]	3039
CDD_Die1RxMtrPos_Cnt_G_u16[0]	166
CDD_Die1RxMtrPos_Cnt_G_u16[1]	168
CDD_Die1RxRevCtr_Cnt_G_u16[0]	166
CDD_Die1RxRevCtr_Cnt_G_u16[1]	168
CDD_Die2RxError_Cnt_G_u16[0]	2357
CDD_Die2RxError_Cnt_G_u16[1]	3039
CDD_Die2RxMtrPos_Cnt_G_u16[0]	100
CDD_Die2RxMtrPos_Cnt_G_u16[1]	150
CDD_Die2RxRevCtr_Cnt_G_u16[0]	190
CDD_Die2RxRevCtr_Cnt_G_u16[1]	192
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5866
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8462
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	100
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	150
CDD_ModIdxFinal_Uls_G_u16p16[0]	20532
CDD_ModIdxFinal_Uls_G_u16p16[1]	20538
CDD_MtrCurr1_Volts_G_f32[0]	1.01605237
CDD_MtrCurr1_Volts_G_f32[1]	2.01605248
CDD_MtrCurr2_Volts_G_f32[0]	1.01605237
CDD_MtrCurr2_Volts_G_f32[1]	2.01605248
CDD_MtrCurrDax_Amp_G_f32[0]	100.264999
CDD_MtrCurrDax_Amp_G_f32[1]	110.487999
CDD_MtrCurrK1_Amps_G_f32[0]	72.5
CDD_MtrCurrK1_Amps_G_f32[1]	93.2900009
CDD_MtrCurrK2_Amps_G_f32[0]	55.7999992
CDD_MtrCurrK2_Amps_G_f32[1]	65.9000015
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	56.4199982
CDD_MtrCurrQax_Amp_G_f32[0]	25.3600006
CDD_MtrCurrQax_Amp_G_f32[1]	35.8899994
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1752
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2104
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	270
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	704
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5628
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	8097
CDD_PhaseAdvFinal_Cnt_G_u16[0]	150
CDD_PhaseAdvFinal_Cnt_G_u16[1]	159
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	126
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	156
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5503
CDD_SysCVSwitchADC_Cnt_G_u16[1]	7901
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	25559
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	25559
PXAccumPrev_Cnt_M_u32[0]	0
PXAccumPrev_Cnt_M_u32[1]	0
PXAccumPrev_Cnt_M_u32[2]	0
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	545942
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145970

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	68242	68242	✔
PXAccumPrev_Cnt_M_u32[1]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[2]	18246	18246	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	156	156	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01605248	2.01605248 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8088.27979	8088.27979	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.440002441	0.440002441	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28836	28836	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.06199646	0.06199646 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2104	2104	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	704	704	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	8097	8097	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	68242	68242	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	80745	80745	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	18246	18246	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8462	8462	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	150	150	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.31338501	0.313400269 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	110.487999	110.487999	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	93.2900009	93.2900009	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	65.9000015	65.9000015	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	56.4199982	56.4199982	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	35.8899994	35.8899994	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	7901	7901	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.38999939	0.38999939 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	25559	25559	✔



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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.108 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5745.14014
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8275.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	25559
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-4128
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-4194
CDD_Die1RxError_Cnt_G_u16[0]	166
CDD_Die1RxError_Cnt_G_u16[1]	168
CDD_Die1RxMtrPos_Cnt_G_u16[0]	174
CDD_Die1RxMtrPos_Cnt_G_u16[1]	176
CDD_Die1RxRevCtr_Cnt_G_u16[0]	174
CDD_Die1RxRevCtr_Cnt_G_u16[1]	176
CDD_Die2RxError_Cnt_G_u16[0]	166
CDD_Die2RxError_Cnt_G_u16[1]	168
CDD_Die2RxMtrPos_Cnt_G_u16[0]	126
CDD_Die2RxMtrPos_Cnt_G_u16[1]	156
CDD_Die2RxRevCtr_Cnt_G_u16[0]	198
CDD_Die2RxRevCtr_Cnt_G_u16[1]	200
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	5987
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8649
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	126
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	156
CDD_ModIdxFinal_Uls_G_u16p16[0]	27007
CDD_ModIdxFinal_Uls_G_u16p16[1]	27013
CDD_MtrCurr1_Volts_G_f32[0]	2.01630712
CDD_MtrCurr1_Volts_G_f32[1]	1.01630723
CDD_MtrCurr2_Volts_G_f32[0]	2.01630712
CDD_MtrCurr2_Volts_G_f32[1]	1.01630723
CDD_MtrCurrDax_Amp_G_f32[0]	-134.268005
CDD_MtrCurrDax_Amp_G_f32[1]	-123.785004
CDD_MtrCurrK1_Amps_G_f32[0]	74.1699982
CDD_MtrCurrK1_Amps_G_f32[1]	96.0390015
CDD_MtrCurrK2_Amps_G_f32[0]	-68.6399994
CDD_MtrCurrK2_Amps_G_f32[1]	-57.4700012
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	76.9499969
CDD_MtrCurrQax_Amp_G_f32[0]	40.4700012
CDD_MtrCurrQax_Amp_G_f32[1]	56.4199982
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1873
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2291
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	278
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	760
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4656
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6592
CDD_PhaseAdvFinal_Cnt_G_u16[0]	158
CDD_PhaseAdvFinal_Cnt_G_u16[1]	160
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	2357
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	3039
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5624
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8088
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	26214
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	26214
PXAccumPrev_Cnt_M_u32[0]	536870911
PXAccumPrev_Cnt_M_u32[1]	536870911
PXAccumPrev_Cnt_M_u32[2]	536870911
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145949
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145977

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✔
PXAccumPrev_Cnt_M_u32[0]	18243	18243	✔
PXAccumPrev_Cnt_M_u32[1]	18246	18246	✔
PXAccumPrev_Cnt_M_u32[2]	18247	18247	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	2357	2357	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01630712	2.01630712 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	5745.14014	5745.14014	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.0629882813	-0.06300354 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	174	174	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	166	166	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	126	126	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	198	198	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	1873	1873	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	278	278	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	4656	4656	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	14	14	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	18244	18244	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	18247	18247	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	18248	18248	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	5987	5987	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	126	126	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.412094116	0.412094116 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-134.268005	-134.268005	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	74.1699982	74.1699982	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-68.6399994	-68.6399994	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	55.5800018	55.5800018	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	40.4700012	40.4700012	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	3325	3325	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	5624	5624	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.109 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	5628.27979
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	8097.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	26214
CDD_CumMechMtrPos_Rev_G_s15p16[0]	425
CDD_CumMechMtrPos_Rev_G_s15p16[1]	432
CDD_Die1RxError_Cnt_G_u16[0]	3204
CDD_Die1RxError_Cnt_G_u16[1]	4348
CDD_Die1RxMtrPos_Cnt_G_u16[0]	182
CDD_Die1RxMtrPos_Cnt_G_u16[1]	184
CDD_Die1RxRevCtr_Cnt_G_u16[0]	182
CDD_Die1RxRevCtr_Cnt_G_u16[1]	184
CDD_Die2RxError_Cnt_G_u16[0]	3204
CDD_Die2RxError_Cnt_G_u16[1]	4348
CDD_Die2RxMtrPos_Cnt_G_u16[0]	2357
CDD_Die2RxMtrPos_Cnt_G_u16[1]	3039
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3083
CDD_Die2RxRevCtr_Cnt_G_u16[1]	4161
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6108
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	8836
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	2357
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	3039
CDD_ModIdxFinal_Uls_G_u16p16[0]	34347
CDD_ModIdxFinal_Uls_G_u16p16[1]	34353
CDD_MtrCurr1_Volts_G_f32[0]	2.01656199
CDD_MtrCurr1_Volts_G_f32[1]	1.01656199
CDD_MtrCurr2_Volts_G_f32[0]	1.01656199
CDD_MtrCurr2_Volts_G_f32[1]	2.01656199
CDD_MtrCurrDax_Amp_G_f32[0]	147.304993
CDD_MtrCurrDax_Amp_G_f32[1]	158.048004
CDD_MtrCurrK1_Amps_G_f32[0]	-74
CDD_MtrCurrK1_Amps_G_f32[1]	-64
CDD_MtrCurrK2_Amps_G_f32[0]	59.1399994
CDD_MtrCurrK2_Amps_G_f32[1]	71.3799973
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	55.5800018
CDD_MtrCurrQax_Amp_G_f32[1]	76.9499969
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	4777
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	6779
CDD_PhaseAdvFinal_Cnt_G_u16[0]	166
CDD_PhaseAdvFinal_Cnt_G_u16[1]	168
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3325
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	142
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	158
CDD_SysCVSwitchADC_Cnt_G_u16[0]	5745
CDD_SysCVSwitchADC_Cnt_G_u16[1]	8275
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	27525
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	25559
PXAccumPrev_Cnt_M_u32[0]	2236
PXAccumPrev_Cnt_M_u32[1]	2852
PXAccumPrev_Cnt_M_u32[2]	79964
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✔
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✔
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✔
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	158	158	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01656199	1.01656199 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01656199	2.01656199 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	8097.25	8097.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.399993896	0.399993896	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	26214	26214	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.00659179688	0.00660705566 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	184	184	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	3039	3039	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	4161	4161	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2478	2478	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	816	816	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	6779	6779	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	15	15	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	16008	16008	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	15395	15395	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	25784	25784	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	8836	8836	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3039	3039	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524185181	0.524200439 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	158.048004	158.048004	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-64	-64	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	71.3799973	71.3799973	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	76.9499969	76.9499969	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4535	4535	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	8275	8275	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.419998169	0.419998169 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	25559	25559	✔

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CDDInterface\_Per1



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

## Test Step 2.110 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2841.84009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3787.28003
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28180
CDD_CumMechMtrPos_Rev_G_s15p16[0]	30801
CDD_CumMechMtrPos_Rev_G_s15p16[1]	31457
CDD_Die1RxError_Cnt_G_u16[0]	3083
CDD_Die1RxError_Cnt_G_u16[1]	4161
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3083
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4161
CDD_Die1RxRevCtr_Cnt_G_u16[0]	2357
CDD_Die1RxRevCtr_Cnt_G_u16[1]	3039
CDD_Die2RxError_Cnt_G_u16[0]	182
CDD_Die2RxError_Cnt_G_u16[1]	184
CDD_Die2RxMtrPos_Cnt_G_u16[0]	4656
CDD_Die2RxMtrPos_Cnt_G_u16[1]	6592
CDD_Die2RxRevCtr_Cnt_G_u16[0]	3930
CDD_Die2RxRevCtr_Cnt_G_u16[1]	5470
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	6350
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	9210
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	150
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	159
CDD_ModIdxFinal_Uls_G_u16p16[0]	34347
CDD_ModIdxFinal_Uls_G_u16p16[1]	34353
CDD_MtrCurr1_Volts_G_f32[0]	2.01656199
CDD_MtrCurr1_Volts_G_f32[1]	1.01656199
CDD_MtrCurr2_Volts_G_f32[0]	1.01656199
CDD_MtrCurr2_Volts_G_f32[1]	2.01656199
CDD_MtrCurrDax_Amp_G_f32[0]	-200.130005
CDD_MtrCurrDax_Amp_G_f32[1]	-146.240005
CDD_MtrCurrK1_Amps_G_f32[0]	-74
CDD_MtrCurrK1_Amps_G_f32[1]	-64
CDD_MtrCurrK2_Amps_G_f32[0]	59.1399994
CDD_MtrCurrK2_Amps_G_f32[1]	71.3799973
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-97.4800034
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-70.6900024
CDD_MtrCurrQax_Amp_G_f32[0]	-168.791
CDD_MtrCurrQax_Amp_G_f32[1]	-159.533997
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	1994
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2478
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	286
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	816
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5019
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7153
CDD_PhaseAdvFinal_Cnt_G_u16[0]	166
CDD_PhaseAdvFinal_Cnt_G_u16[1]	168
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	3204
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	4348
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	0
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	0
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4656
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6592
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	28180
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	28836
PXAccumPrev_Cnt_M_u32[0]	5140
PXAccumPrev_Cnt_M_u32[1]	7340
PXAccumPrev_Cnt_M_u32[2]	57914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145956
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145977
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	845984

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	18244	18244	✓
PXAccumPrev_Cnt_M_u32[1]	18247	18247	✓
PXAccumPrev_Cnt_M_u32[2]	105748	105748	✓
target_CDDInterface_Per1_Die1UnderVoltgFltAccum_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	1.01656199	1.01656199 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.01656199	2.01656199 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	3787.28003	3787.28003	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.429992676	0.429992676	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28180	28180	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.479995728	0.479995728 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4161	4161	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	3039	3039	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	184	184	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	6592	6592	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	5470	5470	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2478	2478	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	816	816	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7153	7153	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16.value	15	15	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	13104	13104	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10907	10907	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	47834	47834	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	9210	9210	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	159	159	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.524185181	0.524200439 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-146.240005	-146.240005	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-64	-64	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	71.3799973	71.3799973	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-70.6900024	-70.6900024	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-159.533997	-159.533997	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	4348	4348	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6592	6592	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.440002441	0.440002441 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	28836	28836	✓



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CDDInterface\_Per1

Test Step 2.111 (Repeat Count = 1)	
Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	190.257996
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	192.25
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	28180
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	28836
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-3211
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-3276
CDD_Die1RxError_Cnt_G_u16[0]	166
CDD_Die1RxError_Cnt_G_u16[1]	168
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3204
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4348
CDD_Die1RxRevCtr_Cnt_G_u16[0]	166
CDD_Die1RxRevCtr_Cnt_G_u16[1]	168
CDD_Die2RxError_Cnt_G_u16[0]	190
CDD_Die2RxError_Cnt_G_u16[1]	192
CDD_Die2RxMtrPos_Cnt_G_u16[0]	190
CDD_Die2RxMtrPos_Cnt_G_u16[1]	192
CDD_Die2RxRevCtr_Cnt_G_u16[0]	100
CDD_Die2RxRevCtr_Cnt_G_u16[1]	150
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	158
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	160
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3204
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4348
CDD_ModlxdFinal_Uls_G_u16p16[0]	10885
CDD_ModlxdFinal_Uls_G_u16p16[1]	10892
CDD_MtrCurr1_Volts_G_f32[0]	2.01681685
CDD_MtrCurr1_Volts_G_f32[1]	4.01681662
CDD_MtrCurr2_Volts_G_f32[0]	2.01681685
CDD_MtrCurr2_Volts_G_f32[1]	4.01681662
CDD_MtrCurrDax_Amp_G_f32[0]	-210.660004
CDD_MtrCurrDax_Amp_G_f32[1]	-161.350006
CDD_MtrCurrK1_Amps_G_f32[0]	75.5
CDD_MtrCurrK1_Amps_G_f32[1]	83.8000031
CDD_MtrCurrK2_Amps_G_f32[0]	60.8100014
CDD_MtrCurrK2_Amps_G_f32[1]	74.1200027
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-118.010002
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-85.8000031
CDD_MtrCurrQax_Amp_G_f32[0]	192.830994
CDD_MtrCurrQax_Amp_G_f32[1]	203.834
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2115
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2665
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3204
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4348
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5140
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7340
CDD_PhaseAdvFinal_Cnt_G_u16[0]	174
CDD_PhaseAdvFinal_Cnt_G_u16[1]	176
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	0
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[0]	65535
CDD_RxMtrPos1UnderVoltgFltAccum_Cnt_u16[1]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4777
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6779
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	29491
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	29491
PXAccumPrev_Cnt_M_u32[0]	5140
PXAccumPrev_Cnt_M_u32[1]	7340
PXAccumPrev_Cnt_M_u32[2]	57914
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	645963
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	845984
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145991
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16

# TEST DETAILS REPORT

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CDDInterface\_Per1

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltFitAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltFitAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16		
Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
PXAccumPrev_Cnt_M_u32[0]	80745	80745	✔
PXAccumPrev_Cnt_M_u32[1]	105748	105748	✔
PXAccumPrev_Cnt_M_u32[2]	18248	18248	✔
target_CDDInterface_Per1_Die1UnderVoltFitAccum_Cnt_u16.value	65535	65535	✔
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	4.01681662	4.01681662 ± 0.0625	✔
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	192.25	192.25	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.440002441	0.440002441	✔
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	28836	28836	✔
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.049987793	-0.0500030518 ± 0.0625	✔
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	4348	4348	✔
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	168	168	✔
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	192	192	✔
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	150	150	✔
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2665	2665	✔
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	7340	7340	✔
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	16	16	✔
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	75605	75605	✔
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	98408	98408	✔
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536831246	536831246	✔
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	160	160	✔
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4348	4348	✔
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.16619873	0.16619873 ± 0.0625	✔
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-161.350006	-161.350006	✔
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	83.8000031	83.8000031	✔
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	74.1200027	74.1200027	✔
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-85.8000031	-85.8000031	✔
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	203.834	203.834	✔
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	0	0	✔
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	6779	6779	✔
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.449996948	0.449996948 ± 0.0625	✔
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	29491	29491	✔

Test Step 2.112 (Repeat Count = 1)		✓
Name	Input Value	
CDD_CDDDataAccessBfr_Cnt_G_u16	0	
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	2962.28003	
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	3974.28711	
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0	
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	29491	
CDD_CumMechMtrPos_Rev_G_s15p16[0]	3342	

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Name	Input Value
CDD_CumMechMtrPos_Rev_G_u16p16[1]	3407
CDD_Die1RxError_Cnt_G_u16[0]	174
CDD_Die1RxError_Cnt_G_u16[1]	176
CDD_Die1RxMtrPos_Cnt_G_u16[0]	3325
CDD_Die1RxMtrPos_Cnt_G_u16[1]	4535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	174
CDD_Die1RxRevCtr_Cnt_G_u16[1]	176
CDD_Die2RxError_Cnt_G_u16[0]	198
CDD_Die2RxError_Cnt_G_u16[1]	200
CDD_Die2RxMtrPos_Cnt_G_u16[0]	198
CDD_Die2RxMtrPos_Cnt_G_u16[1]	200
CDD_Die2RxRevCtr_Cnt_G_u16[0]	126
CDD_Die2RxRevCtr_Cnt_G_u16[1]	156
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	166
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	168
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	3325
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	4535
CDD_ModIdxFinal_Uls_G_u16p16[0]	15230
CDD_ModIdxFinal_Uls_G_u16p16[1]	15237
CDD_MtrCurr1_Volts_G_f32[0]	2.00025487
CDD_MtrCurr1_Volts_G_f32[1]	1.00025475
CDD_MtrCurr2_Volts_G_f32[0]	2.00015473
CDD_MtrCurr2_Volts_G_f32[1]	2.00025487
CDD_MtrCurrDax_Amp_G_f32[0]	-25.5799999
CDD_MtrCurrDax_Amp_G_f32[1]	-20.4699993
CDD_MtrCurrK1_Amps_G_f32[0]	50
CDD_MtrCurrK1_Amps_G_f32[1]	60
CDD_MtrCurrK2_Amps_G_f32[0]	-76.8600006
CDD_MtrCurrK2_Amps_G_f32[1]	-62.4799995
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	100.910004
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	138.539993
CDD_MtrCurrQax_Amp_G_f32[0]	141.156998
CDD_MtrCurrQax_Amp_G_f32[1]	151.380005
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	2236
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	2852
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	3325
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	4535
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	5261
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	7527
CDD_PhaseAdvFinal_Cnt_G_u16[0]	214
CDD_PhaseAdvFinal_Cnt_G_u16[1]	312
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	65535
CDD_RxMtrPos1UnderVoltGFIAccum_Cnt_u16[0]	2357
CDD_RxMtrPos1UnderVoltGFIAccum_Cnt_u16[1]	3039
CDD_SysCVSwitchADC_Cnt_G_u16[0]	4898
CDD_SysCVSwitchADC_Cnt_G_u16[1]	6966
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	29491
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	30146
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	29491
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	30146
PXAccumPrev_Cnt_M_u32[0]	5261
PXAccumPrev_Cnt_M_u32[1]	7527
PXAccumPrev_Cnt_M_u32[2]	59139
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	145970
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	145991
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	145998
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltGFIAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltGFIAccum_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32

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Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16

Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	18246	18246	✓
PXAccumPrev_Cnt_M_u32[1]	18248	18248	✓
PXAccumPrev_Cnt_M_u32[2]	18249	18249	✓
target_CDDInterface_Per1_Die1UnderVoltFiltAccum_Cnt_u16.value	2357	2357	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	2.00025487	2.00025487 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	2.00015473	2.00015473 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	2962.28003	2962.28003	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.050994873	0.050994873 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	174	174	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	3325	3325	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	174	174	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	198	198	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	198	198	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	126	126	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	2236	2236	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	3325	3325	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	5261	5261	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	20	20	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	12985	12985	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	10721	10721	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	536830022	536830022	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	166	166	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	3325	3325	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.232391357	0.232406616 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-25.5799999	-25.5799999	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	50	50	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-76.8600006	-76.8600006	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	100.910004	100.910004	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	141.156998	141.156998	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	4898	4898	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.449996948	0.449996948 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	29491	29491	✓

## Test Case 3: Path Test

**Specification** Performance Metrics (With "None" Instrumentation and WithPS Environment)  
CPU Cycles:

TS3.1 1155.00 Cycles  
TS3.2 1154.00 Cycles

**Description** Vector Description:

TS3.1(PXAccum\_Cnt\_T\_u32[i] < PXAccumPrev\_Cnt\_M\_u32[i])=false,( PhaseAdvFinal\_Cnt\_T\_u16 >= D\_HALFREV\_CNT\_U16 )=false  
TS3.2(PXAccum\_Cnt\_T\_u32[i] < PXAccumPrev\_Cnt\_M\_u32[i])=true,( PhaseAdvFinal\_Cnt\_T\_u16 >= D\_HALFREV\_CNT\_U16 )=true

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	0
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	0

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Name	Input Value
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	0
CDD_CumMechMtrPos_Rev_G_s15p16[0]	-32768
CDD_CumMechMtrPos_Rev_G_s15p16[1]	-32768
CDD_Die1RxError_Cnt_G_u16[0]	0
CDD_Die1RxError_Cnt_G_u16[1]	0
CDD_Die1RxMtrPos_Cnt_G_u16[0]	0
CDD_Die1RxMtrPos_Cnt_G_u16[1]	0
CDD_Die1RxRevCtr_Cnt_G_u16[0]	0
CDD_Die1RxRevCtr_Cnt_G_u16[1]	0
CDD_Die2RxError_Cnt_G_u16[0]	0
CDD_Die2RxError_Cnt_G_u16[1]	0
CDD_Die2RxMtrPos_Cnt_G_u16[0]	0
CDD_Die2RxMtrPos_Cnt_G_u16[1]	0
CDD_Die2RxRevCtr_Cnt_G_u16[0]	0
CDD_Die2RxRevCtr_Cnt_G_u16[1]	0
CDD_MechMtrPos1TimeStamp_uSec_G_u32[0]	0
CDD_MechMtrPos1TimeStamp_uSec_G_u32[1]	0
CDD_MechMtrPos2TimeStamp_uSec_G_u32[0]	0
CDD_MechMtrPos2TimeStamp_uSec_G_u32[1]	0
CDD_ModIdxFinal_Uls_G_u16p16[0]	0
CDD_ModIdxFinal_Uls_G_u16p16[1]	0
CDD_MtrCurr1_Volts_G_f32[0]	0
CDD_MtrCurr1_Volts_G_f32[1]	0
CDD_MtrCurr2_Volts_G_f32[0]	0
CDD_MtrCurr2_Volts_G_f32[1]	0
CDD_MtrCurrDax_Amp_G_f32[0]	-220
CDD_MtrCurrDax_Amp_G_f32[1]	-220
CDD_MtrCurrK1_Amps_G_f32[0]	-220
CDD_MtrCurrK1_Amps_G_f32[1]	-220
CDD_MtrCurrK2_Amps_G_f32[0]	-220
CDD_MtrCurrK2_Amps_G_f32[1]	-220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	-220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	-220
CDD_MtrCurrQax_Amp_G_f32[0]	-220
CDD_MtrCurrQax_Amp_G_f32[1]	-220
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	0
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	0
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	0
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	0
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	0
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	0
CDD_PhaseAdvFinal_Cnt_G_u16[0]	0
CDD_PhaseAdvFinal_Cnt_G_u16[1]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	0
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	0
CDD_RxMtrPos1UnderVltgFltAccum_Cnt_u16[0]	65535
CDD_RxMtrPos1UnderVltgFltAccum_Cnt_u16[1]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[0]	0
CDD_SysCVSwitchADC_Cnt_G_u16[1]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	0
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	0
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	0
PXAccumPrev_Cnt_M_u32[0]	0
PXAccumPrev_Cnt_M_u32[1]	0
PXAccumPrev_Cnt_M_u32[2]	0
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	0
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	0
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	0
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVltgFltAccum_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16

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Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u32	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USe	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USe
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USe	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USe
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16

Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	1	1	✓
PXAccumPrev_Cnt_M_u32[0]	0	0	✓
PXAccumPrev_Cnt_M_u32[1]	0	0	✓
PXAccumPrev_Cnt_M_u32[2]	0	0	✓
target_CDDInterface_Per1_Die1UnderVoltFltAccum_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0	0	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	0	0	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	-0.5	-0.5 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	0	0	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	0	0	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	0	0	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	-220	-220	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	0	0	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0	0 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
CDD_CDDDataAccessBfr_Cnt_G_u16	1
CDD_CorrMtrCurrPosition_Rev_G_f32[0]	4.2949673e+009
CDD_CorrMtrCurrPosition_Rev_G_f32[1]	4.2949673e+009
CDD_CorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_CorrectedElecMtrPos_Rev_G_u0p16[1]	65535



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Name	Input Value
CDD_CumMechMtrPos_Rev_G_s15p16[0]	32767
CDD_CumMechMtrPos_Rev_G_s15p16[1]	32767
CDD_Die1RxError_Cnt_G_u16[0]	65535
CDD_Die1RxError_Cnt_G_u16[1]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die1RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die1RxRevCtr_Cnt_G_u16[1]	65535
CDD_Die2RxError_Cnt_G_u16[0]	65535
CDD_Die2RxError_Cnt_G_u16[1]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[0]	65535
CDD_Die2RxMtrPos_Cnt_G_u16[1]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[0]	65535
CDD_Die2RxRevCtr_Cnt_G_u16[1]	65535
CDD_MechMtrPos1TimeStamp_uSec_u32[0]	4294967295
CDD_MechMtrPos1TimeStamp_uSec_u32[1]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_u32[0]	4294967295
CDD_MechMtrPos2TimeStamp_uSec_u32[1]	4294967295
CDD_ModIdxFinal_Uls_G_u16p16[0]	65534
CDD_ModIdxFinal_Uls_G_u16p16[1]	65534
CDD_MtrCurr1_Volts_G_f32[0]	5
CDD_MtrCurr1_Volts_G_f32[1]	5
CDD_MtrCurr2_Volts_G_f32[0]	5
CDD_MtrCurr2_Volts_G_f32[1]	5
CDD_MtrCurrDax_Amp_G_f32[0]	220
CDD_MtrCurrDax_Amp_G_f32[1]	220
CDD_MtrCurrK1_Amps_G_f32[0]	220
CDD_MtrCurrK1_Amps_G_f32[1]	220
CDD_MtrCurrK2_Amps_G_f32[0]	220
CDD_MtrCurrK2_Amps_G_f32[1]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[0]	220
CDD_MtrCurrQaxFinalRef_Amp_G_f32[1]	220
CDD_MtrCurrQax_Amp_G_f32[0]	220
CDD_MtrCurrQax_Amp_G_f32[1]	220
CDD_PWMdutyCycleASum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleASum_Cnt_G_u32[1]	200000
CDD_PWMdutyCycleBSum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleBSum_Cnt_G_u32[1]	200000
CDD_PWMdutyCycleCSum_Cnt_G_u32[0]	200000
CDD_PWMdutyCycleCSum_Cnt_G_u32[1]	200000
CDD_PhaseAdvFinal_Cnt_G_u16[0]	65535
CDD_PhaseAdvFinal_Cnt_G_u16[1]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[0]	65535
CDD_RxMtrPos1ParityAccum_Cnt_G_u16[1]	65535
CDD_RxMtrPos1UnderVoltGFIAccum_Cnt_u16[0]	5140
CDD_RxMtrPos1UnderVoltGFIAccum_Cnt_u16[1]	7340
CDD_SysCVSwitchADC_Cnt_G_u16[0]	65535
CDD_SysCVSwitchADC_Cnt_G_u16[1]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[0]	65535
CDD_SysCorrectedElecMtrPos_Rev_G_u0p16[1]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[0]	65535
CDD_UncorrMechMtrPos1_Rev_G_u0p16[1]	65535
PXAccumPrev_Cnt_M_u32[0]	536870911
PXAccumPrev_Cnt_M_u32[1]	536870911
PXAccumPrev_Cnt_M_u32[2]	536870911
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	536870911
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	536870911
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	536870911
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr1_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ADCMtrCurr2_Volts_f32	tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32	tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev	tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16	tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_CumMechMtrPos_Rev_f32	tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxError_Cnt_u16	tgt_CDDInterface_Per1_Die1RxError_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1UnderVoltGFIAccum_Cnt_u16	target_CDDInterface_Per1_Die1UnderVoltGFIAccum_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die1RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxError_Cnt_u16	tgt_CDDInterface_Per1_Die2RxError_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxMtrPos_Cnt_u16	tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_Die2RxRevCtr_Cnt_u16	tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32

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CDDInterface\_Per1

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_LRPRPhaseadvanceCaptured	tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32	tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos1TimeStamp_USec	tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MechMtrPos2TimeStamp_USec	tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_ModIdxFinal_Uls_f32	tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrDax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK1_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrK2_Amp_f32	tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_MtrCurrQax_Amp_f32	tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16	tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCVSwitchADC_Cnt_u16	tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_SysCorrectedElecMtrPos_Rev	tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16	tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16

Name	Actual Value	Expected Value	Result
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
PXAccumPrev_Cnt_M_u32[0]	67108863	67108863	✓
PXAccumPrev_Cnt_M_u32[1]	67108863	67108863	✓
PXAccumPrev_Cnt_M_u32[2]	67108863	67108863	✓
target_CDDInterface_Per1_Die1UnderVoltFltAccum_Cnt_u16.value	7340	7340	✓
tgt_CDDInterface_Per1_ADCMtrCurr1_Volts_f32.value	5	5 ± 0.0625	✓
tgt_CDDInterface_Per1_ADCMtrCurr2_Volts_f32.value	5	5 ± 0.0625	✓
tgt_CDDInterface_Per1_CorrMtrCurrPosition_Rev_f32.value	4.2949673e+009	4.2949673e+009	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPosFloat_Rev_f32.value	0.999984741	0.999984741	✓
tgt_CDDInterface_Per1_CorrectedElecMtrPos_Rev_u0p16.value	65535	65535	✓
tgt_CDDInterface_Per1_CumMechMtrPos_Rev_f32.value	0.499984741	0.5 ± 0.0625	✓
tgt_CDDInterface_Per1_Die1RxError_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_Die1RxMtrPos_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_Die1RxRevCtr_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_Die2RxError_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_Die2RxMtrPos_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_Die2RxRevCtr_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_ExpectedOnTimeA_Cnt_u32.value	200000	200000	✓
tgt_CDDInterface_Per1_ExpectedOnTimeB_Cnt_u32.value	200000	200000	✓
tgt_CDDInterface_Per1_ExpectedOnTimeC_Cnt_u32.value	200000	200000	✓
tgt_CDDInterface_Per1_LRPRPhaseadvanceCaptured_Cnt_s16.value	0	0	✓
tgt_CDDInterface_Per1_MeasuredOnTimeA_Cnt_u32.value	67108864	67108864	✓
tgt_CDDInterface_Per1_MeasuredOnTimeB_Cnt_u32.value	67108864	67108864	✓
tgt_CDDInterface_Per1_MeasuredOnTimeC_Cnt_u32.value	67108864	67108864	✓
tgt_CDDInterface_Per1_MechMtrPos1TimeStamp_USec_u32.value	4294967295	4294967295	✓
tgt_CDDInterface_Per1_MechMtrPos2TimeStamp_USec_u32.value	4294967295	4294967295	✓
tgt_CDDInterface_Per1_ModIdxFinal_Uls_f32.value	0.999969482	0.999984741 ± 0.0625	✓
tgt_CDDInterface_Per1_MtrCurrDax_Amp_f32.value	220	220	✓
tgt_CDDInterface_Per1_MtrCurrK1_Amp_f32.value	220	220	✓
tgt_CDDInterface_Per1_MtrCurrK2_Amp_f32.value	220	220	✓
tgt_CDDInterface_Per1_MtrCurrQaxFinalRef_Amp_f32.value	220	220	✓
tgt_CDDInterface_Per1_MtrCurrQax_Amp_f32.value	220	220	✓
tgt_CDDInterface_Per1_RxMtrPos1ParityAccum_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_SysCVSwitchADC_Cnt_u16.value	65535	65535	✓
tgt_CDDInterface_Per1_SysCorrectedElecMtrPos_Rev_f32.value	0.999984741	0.999984741 ± 0.0625	✓
tgt_CDDInterface_Per1_UncorrMechMtrPos1_Rev_u0p16.value	65535	65535	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
CDDPorts_ClearPhsReasSum	1	CDDPorts_ClearPhsReasSum	1	✓

# TEST DETAILS REPORT

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CDDInterface\_Init3



Project	CDDInterface
Module	CDDInterface
Test Object	CDDInterface_Init3

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested."  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtrMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtrMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0

# TEST DETAILS REPORT

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CDDInterface\_Init3



Attributes	
Name	Value
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

**Test Case 1: Boundary Test** ✓

**Specification** Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS1.1 521.00 Cycles

**Description** Vector Description:

TS1.1 Tested for called stub count

**Test Step 1.1 (Repeat Count = 1)** ✓**Test Step Call Trace** ✓

Actual Function	Count	Expected Function	Count	Result
EnableMtrCtlInterrupt	1	EnableMtrCtlInterrupt	1	✓

# TEST DETAILS REPORT

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CDDInterface\_Per4



Project	CDDInterface
Module	CDDInterface
Test Object	CDDInterface_Per4

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Decision Coverage	100 %
Branch (C1) Coverage	100 %
MCC Coverage	98.38 %
MC/DC Coverage	98.38 %

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested.  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl



# TEST DETAILS REPORT

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CDDInterface\_Per4



Attributes	
Name	Value
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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CDDInterface\_Per4



## Test Case 1: Metrics Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 682.00 Cycles TS1.2 1254.00 Cycles
Description	Vector Description:  TS1.1"Shortest Execution Path:(MtrElecMechPolarity_Cnt_T_s08 != PrevMtrElecMechPolarity_Cnt_M_s08)=False,((D_WHLIMBSEL_CNT_U16 == CDD_EOLNxrWIRSelect_Cnt_G_u16) && (FALSE == CDD_WIRDisableSvc_Cnt_G_lgc) && (0U == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTWHLIMBREJ_CNT_B32)) && ((NxrMEC_Uls_G_enum != ProductionMode)    ((NxrMEC_Uls_G_enum == ProductionMode) && (Nvm_CMEC_Cnt_u8 == 0U))))=False,((D_SVCDFTENGON_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTENGON_CNT_B32))    (CDD_PwrAsstModeSvc_Cnt_G_lgc == TRUE))=True,(D_SVCDFTFRICLRN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTFRICLRN_CNT_B32))=True,(D_SVCDFTKININTDIAG_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTKININTDIAG_CNT_B32))=True,(D_SVCDFTTHERMALDC_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTHERMALDC_CNT_B32))=True,(D_SVCDFTTEOTIMPACT_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTEOTIMPACT_CNT_B32))=True,(D_SVCDFTTHERMALDC_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTHERMALDC_CNT_B32))=True,(D_SVCDFTTMRVELNRMLRN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTMRVELNRMLRN_CNT_B32))=True,(D_SVCDFTMRPARMNRMLRN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTMRPARMNRMLRN_CNT_B32))=True,(D_SVCDFTTRQRMPCNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTRQRMPCNT_B32))=True,(D_SVCDFTMODIDX_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTMODIDX_CNT_B32))=True,((D_SVCDFTPULLCOMP_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTPULLCOMP_CNT_B32))    (CDD_PullCompDisableSvc_Cnt_G_lgc == TRUE))=True,(D_SVCDFTPARKAST_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTPARKAST_CNT_B32))=True,(D_SVCDFTDRIVINGDYN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTDRIVINGDYN_CNT_B32))=True,(D_SVCDFTHYSTCOMP_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTHYSTCOMP_CNT_B32))=True,(D_SVCDFTHYSTADD_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTHYSTADD_CNT_B32))=True,(D_SVCDFTRETURN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTRETURN_CNT_B32))=True""  TS1.2"Longest Execution Path :(MtrElecMechPolarity_Cnt_T_s08 != PrevMtrElecMechPolarity_Cnt_M_s08)=True,((D_WHLIMBSEL_CNT_U16 == CDD_EOLNxrWIRSelect_Cnt_G_u16) && (FALSE == CDD_WIRDisableSvc_Cnt_G_lgc) && (0U == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTWHLIMBREJ_CNT_B32)) && ((NxrMEC_Uls_G_enum != ProductionMode)    ((NxrMEC_Uls_G_enum == ProductionMode) && (Nvm_CMEC_Cnt_u8 == 0U))))=True,((D_SVCDFTENGON_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTENGON_CNT_B32))    (CDD_PwrAsstModeSvc_Cnt_G_lgc == TRUE))=False,(D_SVCDFTFRICLRN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTFRICLRN_CNT_B32))=False,(D_SVCDFTKININTDIAG_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTKININTDIAG_CNT_B32))=False,(D_SVCDFTTHERMALDC_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTHERMALDC_CNT_B32))=False,(D_SVCDFTTEOTIMPACT_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTEOTIMPACT_CNT_B32))=False,(D_SVCDFTTHERMALDC_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTHERMALDC_CNT_B32))=False,(D_SVCDFTTMRVELNRMLRN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTMRVELNRMLRN_CNT_B32))=False,(D_SVCDFTMRPARMNRMLRN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTMRPARMNRMLRN_CNT_B32))=False,(D_SVCDFTTRQRMPCNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTTRQRMPCNT_B32))=False,(D_SVCDFTMODIDX_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTMODIDX_CNT_B32))=False,((D_SVCDFTPULLCOMP_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTPULLCOMP_CNT_B32))    (CDD_PullCompDisableSvc_Cnt_G_lgc == TRUE))=False,(D_SVCDFTPARKAST_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTPARKAST_CNT_B32))=False,(D_SVCDFTDRIVINGDYN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTDRIVINGDYN_CNT_B32))=False,(D_SVCDFTHYSTCOMP_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTHYSTCOMP_CNT_B32))=False,(D_SVCDFTHYSTADD_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTHYSTADD_CNT_B32))=False,(D_SVCDFTRETURN_CNT_B32 == (CDD_EOLSrlComSvcDft_Cnt_G_b32 & D_SVCDFTRETURN_CNT_B32))=False"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1
CDD_DftAsstTbl_Cnt_G_lgc	1
CDD_DisableCEBusNormComm_Cnt_lgc	1
CDD_DisableHSBusNormComm_Cnt_lgc	1
CDD_DwnldAsstGain_Uls_G_f32	10
CDD_EOLNxrWIRSelect_Cnt_G_u16	65535
CDD_EOLSrlComSvcDft_Cnt_G_b32	4294967295
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	1
CDD_PullCompDisableSvc_Cnt_G_lgc	1
CDD_PwrAsstModeSvc_Cnt_G_lgc	1
CDD_SttEndStpDisableSvc_Cnt_G_lgc	1
CDD_WIRDisableSvc_Cnt_G_lgc	1
MfgDiagInhibit_Uls_G_lgc	1
Nvm_CMEC_Cnt_u8	255
NxrMEC_Uls_G_enum	2
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	10	10 ± 0.00009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

# TEST DETAILS REPORT

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CDDInterface\_Per4

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	0		
CDD_DftAsstTbl_Cnt_G_lgc	0		
CDD_DisableCEBusNormComm_Cnt_lgc	0		
CDD_DisableHSBusNormComm_Cnt_lgc	0		
CDD_DwnldAsstGain_Uls_G_f32	0		
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402		
CDD_EOLSrIComSvcDft_Cnt_G_b32	0		
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0		
CDD_PullCompDisableSvc_Cnt_G_lgc	0		
CDD_PwrAsstModeSvc_Cnt_G_lgc	0		
CDD_SttEndStpDisableSvc_Cnt_G_lgc	0		
CDD_WIRDisableSvc_Cnt_G_lgc	0		
MfgDiagInhibit_Uls_G_lgc	0		
Nvm_CMEC_Cnt_u8	0		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SttEndStpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_SttEndStpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc.value	0	0	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc.value	1	1	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1		✓

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CDDInterface\_Per4



## Test Case 2: Boundary Test

### Specification

Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS2.1 726.00 Cycles  
TS2.2 762.00 Cycles  
TS2.3 731.00 Cycles  
TS2.4 737.00 Cycles  
TS2.5 1258.00 Cycles  
TS2.6 1213.00 Cycles  
TS2.7 1222.00 Cycles  
TS2.8 1279.00 Cycles  
TS2.9 748.00 Cycles  
TS2.10 768.00 Cycles  
TS2.11 759.00 Cycles  
TS2.12 764.00 Cycles  
TS2.13 1170.00 Cycles  
TS2.14 1255.00 Cycles  
TS2.15 1276.00 Cycles  
TS2.16 1193.00 Cycles  
TS2.17 735.00 Cycles  
TS2.18 803.00 Cycles  
TS2.19 1193.00 Cycles  
TS2.20 1170.00 Cycles  
TS2.21 1195.00 Cycles  
TS2.22 1182.00 Cycles  
TS2.23 784.00 Cycles  
TS2.24 755.00 Cycles  
TS2.25 1268.00 Cycles  
TS2.26 1183.00 Cycles  
TS2.27 1215.00 Cycles  
TS2.28 1252.00 Cycles  
TS2.29 768.00 Cycles  
TS2.30 754.00 Cycles  
TS2.31 1246.00 Cycles  
TS2.32 1145.00 Cycles  
TS2.33 1228.00 Cycles  
TS2.34 1209.00 Cycles  
TS2.35 741.00 Cycles  
TS2.36 724.00 Cycles  
TS2.37 1215.00 Cycles  
TS2.38 1205.00 Cycles  
TS2.39 1182.00 Cycles  
TS2.40 1216.00 Cycles  
TS2.41 1219.00 Cycles

### Description

Vector Description:

TS2.1All Min  
TS2.2All Max  
TS2.3MtrElecMechPolarity\_Cnt\_s08=min  
TS2.4MtrElecMechPolarity\_Cnt\_s08=max  
TS2.5PrevMtrElecMechPolarity\_Cnt\_M\_s08=min  
TS2.6PrevMtrElecMechPolarity\_Cnt\_M\_s08=max  
TS2.7CDD\_EOLNxrWIRSelect\_Cnt\_G\_u16=min  
TS2.8CDD\_EOLNxrWIRSelect\_Cnt\_G\_u16=max  
TS2.9CDD\_EOLNxrWIRSelect\_Cnt\_G\_u16=pos  
TS2.10CDD\_WIRDisableSvc\_Cnt\_G\_lgc=min  
TS2.11CDD\_WIRDisableSvc\_Cnt\_G\_lgc=max  
TS2.12CDD\_EOLSriComSvcDft\_Cnt\_G\_b32=min  
TS2.13CDD\_EOLSriComSvcDft\_Cnt\_G\_b32=max  
TS2.14CDD\_EOLSriComSvcDft\_Cnt\_G\_b32=pos  
TS2.15NxrMEC\_Uls\_G\_enum=ProductionMode  
TS2.16NxrMEC\_Uls\_G\_enum=ManufacturingMode  
TS2.17NxrMEC\_Uls\_G\_enum=EngineeringMode  
TS2.18Nvm\_CMEC\_Cnt\_u8=Min  
TS2.19Nvm\_CMEC\_Cnt\_u8=Max  
TS2.20Nvm\_CMEC\_Cnt\_u8=Pos  
TS2.21CDD\_DisableHSBusNormComm\_Cnt\_lgc=min  
TS2.22CDD\_DisableHSBusNormComm\_Cnt\_lgc=max  
TS2.23CDD\_DisableCEBusNormComm\_Cnt\_lgc=min  
TS2.24CDD\_DisableCEBusNormComm\_Cnt\_lgc=max  
TS2.25MfgDiagInhibit\_Uls\_G\_lgc=min  
TS2.26MfgDiagInhibit\_Uls\_G\_lgc=max  
TS2.27CDD\_DftAsstTbl\_Cnt\_G\_lgc=min  
TS2.28CDD\_DftAsstTbl\_Cnt\_G\_lgc=max  
TS2.29CDD\_DwnldAsstGain\_Uls\_G\_f32=min  
TS2.30CDD\_DwnldAsstGain\_Uls\_G\_f32=max  
TS2.31CDD\_DwnldAsstGain\_Uls\_G\_f32=pos  
TS2.32CDD\_PwrAsstModeSvc\_Cnt\_G\_lgc=min  
TS2.33CDD\_PwrAsstModeSvc\_Cnt\_G\_lgc=max  
TS2.34CDD\_PullCompDisableSvc\_Cnt\_G\_lgc=min  
TS2.35CDD\_PullCompDisableSvc\_Cnt\_G\_lgc=max  
TS2.36CDD\_BallNutTempEstDisableSvc\_Cnt\_G\_lgc=min  
TS2.37CDD\_BallNutTempEstDisableSvc\_Cnt\_G\_lgc=max  
TS2.38CDD\_SftEndStpDisableSvc\_Cnt\_G\_lgc=min  
TS2.39CDD\_SftEndStpDisableSvc\_Cnt\_G\_lgc=max  
TS2.40CDD\_GenPosTrajEnableFlag\_Cnt\_G\_lgc=min  
TS2.41CDD\_GenPosTrajEnableFlag\_Cnt\_G\_lgc=max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	0
CDD_DftAsstTbl_Cnt_G_lgc	0
CDD_DisableCEBusNormComm_Cnt_lgc	0
CDD_DisableHSBusNormComm_Cnt_lgc	0
CDD_DwnldAsstGain_Uls_G_f32	0



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Name	Input Value		
CDD_EOLNtrWIRSelect_Cnt_G_u16	0		
CDD_EOLSrIComSvcDft_Cnt_G_b32	0		
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0		
CDD_PullCompDisableSvc_Cnt_G_lgc	0		
CDD_PwrAsstModeSvc_Cnt_G_lgc	0		
CDD_SftEndStpDisableSvc_Cnt_G_lgc	0		
CDD_WIRDisableSvc_Cnt_G_lgc	0		
MfgDiagInhibit_Uls_G_lgc	0		
Nvm_CMEC_Cnt_u8	0		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SriComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSriComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_lgc.value	0	0	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

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CDDInterface\_Per4

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1
CDD_DftAssTbI_Cnt_G_lgc	1
CDD_DisableCEBusNormComm_Cnt_lgc	1
CDD_DisableHSBusNormComm_Cnt_lgc	1
CDD_DwnldAsstGain_Uls_f32	10
CDD_EOLNxrWIRSelect_Cnt_G_u16	65535
CDD_EOLSrlComSvcDft_Cnt_G_b32	4294967295
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	1
CDD_PullCompDisableSvc_Cnt_G_lgc	1
CDD_PwrAsstModeSvc_Cnt_G_lgc	1
CDD_SttEndStpDisableSvc_Cnt_G_lgc	1
CDD_WIRDisableSvc_Cnt_G_lgc	1
MfgDiagInhibit_Uls_G_lgc	1
Nvm_CMEC_Cnt_u8	255
NxrMEC_Uls_G_enum	2
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAssTbI_Cnt_lgc	tgt_CDDInterface_Per4_DftAssTbI_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SttEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_SttEndStpSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DftAssTbI_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	10	10 ± 0.00009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc.value	1	1	✓

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4294967295	4294967295	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.3 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	1.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	1259
CDD_EOLSrlComSvcDft_Cnt_G_b32	2548
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_StEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	174
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	1.25	1.25 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	2548	2548	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	2.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	2548
CDD_EOLSrlComSvcDft_Cnt_G_b32	3687
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_SftEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	125
NxtrMEC_Uls_G_enum	1
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cr	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_I	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_I	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Ci	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cn	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Ig	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Ik	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	2.25	2.25 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	3687	3687	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓



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CDDInterface\_Per4

Test Step 2.5 (Repeat Count = 1)				✓
Name	Input Value			
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	0			
CDD_DftAsstTbl_Cnt_G_lgc	0			
CDD_DisableCEBusNormComm_Cnt_lgc	1			
CDD_DisableHSBusNormComm_Cnt_lgc	1			
CDD_DwldAsstGain_Uls_G_f32	4.48000002			
CDD_EOLNtrWIRSelect_Cnt_G_u16	4579			
CDD_EOLSRlComSvcDft_Cnt_G_b32	5876			
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	1			
CDD_PullCompDisableSvc_Cnt_G_lgc	1			
CDD_PwrAsstModeSvc_Cnt_G_lgc	0			
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1			
CDD_WIRDisableSvc_Cnt_G_lgc	1			
MfgDiagInhibit_Uls_G_lgc	0			
Nvm_CMEC_Cnt_u8	128			
NxtrMEC_Uls_G_enum	0			
PrevMtrElecMechPolarity_Cnt_M_s08	0			
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface			
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc			
Name	Actual Value	Expected Value	Result	
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1		✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1		✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	4.48000002	4.48000002 ± 0.000009		✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc.value	1	1		✓

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	5876	5876	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	5.36000013
CDD_EOLNxrWIRSelect_Cnt_G_u16	5876
CDD_EOLSrlComSvcDft_Cnt_G_b32	6574
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_SftEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	127
NxtrMEC_Uls_G_enum	1
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDymSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	5.36000013	5.36000013 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	6574	6574	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.7 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	7.48000002
CDD_EOLNtrWIRSelect_Cnt_G_u16	0
CDD_EOLSrlComSvcDft_Cnt_G_b32	6869
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	123
NxtrMEC_Uls_G_enum	1
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SriComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSriComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	7.48000002	7.48000002 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32.value	6869	6869	✓
tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

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CDDInterface\_Per4

Test Step 2.8 (Repeat Count = 1)				✓
Name	Input Value			
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	0			
CDD_DftAsstTbl_Cnt_G_lgc	0			
CDD_DisableCEBusNormComm_Cnt_lgc	1			
CDD_DisableHSBusNormComm_Cnt_lgc	1			
CDD_DwnldAsstGain_Uls_G_f32	8.85999966			
CDD_EOLNtrWIRSelect_Cnt_G_u16	65535			
CDD_EOLSrComSvcDft_Cnt_G_b32	4587			
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0			
CDD_PullCompDisableSvc_Cnt_G_lgc	1			
CDD_PwrAsstModeSvc_Cnt_G_lgc	0			
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1			
CDD_WIRDisableSvc_Cnt_G_lgc	1			
MfgDiagInhibit_Uls_G_lgc	0			
Nvm_CMEC_Cnt_u8	0			
NxtrMEC_Uls_G_enum	0			
PrevMtrElecMechPolarity_Cnt_M_s08	0			
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface			
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrComSvcDft_Cnt_b32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc			
Name	Actual Value	Expected Value	Result	
CDD_ModIdxSrComSvcDft_Cnt_G_u16	0	0	✓	
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓	
tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	8.85999966	8.85999966 ± 0.000009	✓	
tgt_CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_EngONSrComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_HysAddSrComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_HystCompSrComSvcDft_Cnt_lgc.value	0	0	✓	

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4587	4587	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	9.77999973
CDD_EOLNtrWIRSelect_Cnt_G_u16	15428
CDD_EOLSrlComSvcDft_Cnt_G_b32	3658
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	154
NxtrMEC_Uls_G_enum	2
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc



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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	9.77999973	9.77999973 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	3658	3658	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.10 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	1.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	7897
CDD_EOLSrlComSvcDft_Cnt_G_b32	7895
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	127
NxtrMEC_Uls_G_enum	1
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	1.25	1.25 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	7895	7895	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_igc	1		
CDD_DftAsstTbl_Cnt_G_igc	1		
CDD_DisableCEBusNormComm_Cnt_igc	0		
CDD_DisableHSBusNormComm_Cnt_igc	0		
CDD_DwnldAsstGain_Uls_G_f32	2.25		
CDD_EOLNtrWIRSelect_Cnt_G_u16	6869		
CDD_EOLSrlComSvcDft_Cnt_G_b32	9658		
CDD_GenPosTrajEnableFlag_Cnt_G_igc	1		
CDD_PullCompDisableSvc_Cnt_G_igc	0		
CDD_PwrAsstModeSvc_Cnt_G_igc	1		
CDD_SftEndStpDisableSvc_Cnt_G_igc	0		
CDD_WIRDisableSvc_Cnt_G_igc	1		
MfgDiagInhibit_Uls_G_igc	1		
Nvm_CMEC_Cnt_u8	186		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	2.25	2.25 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32.value	9658	9658	✓
tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	3.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	4587
CDD_EOLSrIComSvcDft_Cnt_G_b32	0
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	214
NxtrMEC_Uls_G_enum	2
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc

# TEST DETAILS REPORT

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	3.25	3.25 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.13 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	4.48000002
CDD_EOLNtrWIRSelect_Cnt_G_u16	3658
CDD_EOLSrlComSvcDft_Cnt_G_b32	4294967295
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	147

# TEST DETAILS REPORT

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CDDInterface\_Per4

Name	Input Value		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	4.48000002	4.48000002 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4294967295	4294967295	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔



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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0		
CDD_DftAsstTbl_Cnt_G_Igc	0		
CDD_DisableCEBusNormComm_Cnt_Igc	1		
CDD_DisableHSBusNormComm_Cnt_Igc	1		
CDD_DwnldAsstGain_Uls_G_f32	5.36000013		
CDD_EOLNxtrWIRSelect_Cnt_G_u16	7895		
CDD_EOLSrIComSvcDft_Cnt_G_b32	15429		
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0		
CDD_PullCompDisableSvc_Cnt_G_Igc	1		
CDD_PwrAsstModeSvc_Cnt_G_Igc	0		
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1		
CDD_WIRDisableSvc_Cnt_G_Igc	1		
MfgDiagInhibit_Uls_G_Igc	0		
Nvm_CMEC_Cnt_u8	128		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	5.36000013	5.36000013 ± 0.000009	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	15429	15429	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	6.28000021
CDD_EOLNtrWIRSelect_Cnt_u16	9658
CDD_EOLSrlComSvcDft_Cnt_G_b32	7897
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_SftEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	201
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAssTbI_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	6.28000021	6.28000021 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	7897	7897	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.16 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAssTbI_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	7.48000002
CDD_EOLNtrWIRSelect_Cnt_G_u16	5879
CDD_EOLSrlComSvcDft_Cnt_G_b32	6869
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	0

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Name	Input Value		
MfgDiagInhibit_Uls_G_lgc	0		
Nvm_CMEC_Cnt_u8	230		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	7.48000002	7.48000002 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	6869	6869	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_igc	1		
CDD_DftAsstTbl_Cnt_G_igc	1		
CDD_DisableCEBusNormComm_Cnt_igc	0		
CDD_DisableHSBusNormComm_Cnt_igc	0		
CDD_DwnldAsstGain_Uls_G_f32	8.85999966		
CDD_EOLNtrWIRSelect_Cnt_G_u16	6584		
CDD_EOLSrlComSvcDft_Cnt_G_b32	4587		
CDD_GenPosTrajEnableFlag_Cnt_G_igc	1		
CDD_PullCompDisableSvc_Cnt_G_igc	0		
CDD_PwrAsstModeSvc_Cnt_G_igc	1		
CDD_StfEndStpDisableSvc_Cnt_G_igc	0		
CDD_WIRDisableSvc_Cnt_G_igc	0		
MfgDiagInhibit_Uls_G_igc	1		
Nvm_CMEC_Cnt_u8	147		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc.value	0	0	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	8.85999966	8.85999966 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4587	4587	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 2.18 (Repeat Count = 1)		✓
Name	Input Value	
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0	
CDD_DftAsstTbl_Cnt_G_Igc	0	
CDD_DisableCEBusNormComm_Cnt_Igc	1	
CDD_DisableHSBusNormComm_Cnt_Igc	1	
CDD_DwnldAsstGain_Uls_G_f32	9.77999973	
CDD_EOLNxrWIRSelect_Cnt_G_u16	4785	
CDD_EOLSrlComSvcDft_Cnt_G_b32	3658	
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0	
CDD_PullCompDisableSvc_Cnt_G_Igc	0	
CDD_PwrAsstModeSvc_Cnt_G_Igc	0	
CDD_StEndStpDisableSvc_Cnt_G_Igc	1	
CDD_WIRDisableSvc_Cnt_G_Igc	1	
MfgDiagInhibit_Uls_G_Igc	0	
Nvm_CMEC_Cnt_u8	0	
NxrMEC_Uls_G_enum	0	
PrevMtrElecMechPolarity_Cnt_M_s08	1	
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface	
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum	



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Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	9.77999973	9.77999973 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	3658	3658	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	3.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	9658
CDD_EOLSrlComSvcDft_Cnt_G_b32	7895
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	1

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Name	Input Value		
CDD_StfEndStpDisableSvc_Cnt_G_lgc	0		
CDD_WIRDisableSvc_Cnt_G_lgc	0		
MfgDiagInhibit_Uls_G_lgc	1		
Nvm_CMEC_Cnt_u8	255		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	3.25	3.25 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc.value	0	0	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	7895	7895	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1		
CDD_DftAsstTbl_Cnt_G_lgc	1		
CDD_DisableCEBusNormComm_Cnt_lgc	1		
CDD_DisableHSBusNormComm_Cnt_lgc	1		
CDD_DwnldAsstGain_Uls_G_f32	4.48000002		
CDD_EOLNtrWIRSelect_Cnt_G_u16	1258		
CDD_EOLSrlComSvcDft_Cnt_G_b32	9658		
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0		
CDD_PullCompDisableSvc_Cnt_G_lgc	0		
CDD_PwrAsstModeSvc_Cnt_G_lgc	0		
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1		
CDD_WIRDisableSvc_Cnt_G_lgc	1		
MfgDiagInhibit_Uls_G_lgc	0		
Nvm_CMEC_Cnt_u8	124		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	1	1	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	4.48000002	4.48000002 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	9658	9658	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.21 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	5.36000013
CDD_EOLNtrWIRSelect_Cnt_G_u16	6328
CDD_EOLSrlComSvcDft_Cnt_G_b32	5879
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_StEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	147
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	5.36000013	5.36000013 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	5879	5879	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	6.28000021
CDD_EOLNtrWIRSelect_Cnt_G_u16	7895
CDD_EOLSrlComSvcDft_Cnt_G_b32	6584
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1

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CDDInterface\_Per4

Name	Input Value		
CDD_PullCompDisableSvc_Cnt_G_igc	0		
CDD_PwrAsstModeSvc_Cnt_G_igc	0		
CDD_StfEndStpDisableSvc_Cnt_G_igc	1		
CDD_WIRDisableSvc_Cnt_G_igc	1		
MfgDiagInhibit_Uls_G_igc	0		
Nvm_CMEC_Cnt_u8	125		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	6.28000021	6.28000021 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc.value	0	0	✓



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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SttEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	6584	6584	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1		
CDD_DftAsstTbl_Cnt_G_lgc	1		
CDD_DisableCEBusNormComm_Cnt_lgc	0		
CDD_DisableHSBusNormComm_Cnt_lgc	0		
CDD_DwnldAsstGain_Uls_G_f32	7.48000002		
CDD_EOLNtrWIRSelect_Cnt_G_u16	3289		
CDD_EOLSrlComSvcDft_Cnt_G_b32	4785		
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0		
CDD_PullCompDisableSvc_Cnt_G_lgc	1		
CDD_PwrAsstModeSvc_Cnt_G_lgc	1		
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1		
CDD_WIRDisableSvc_Cnt_G_lgc	0		
MfgDiagInhibit_Uls_G_lgc	1		
Nvm_CMEC_Cnt_u8	247		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	1	1	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAssTbI_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	7.48000002	7.48000002 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4785	4785	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAssTbI_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	8.85999966
CDD_EOLNxtRWRSelect_Cnt_G_u16	3258
CDD_EOLSrlComSvcDft_Cnt_G_b32	9658
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_SftEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	87
NxtRMEC_Uls_G_enum	2
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAssTbI_Cnt_Igc	tgt_CDDInterface_Per4_DftAssTbI_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc

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Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	8.85999966	8.85999966 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	9658	9658	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.25 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_Igc	1
CDD_DftAsstTbl_Cnt_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	9.77999973
CDD_EOLNtrWIRSelect_Cnt_G_u16	6587

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Name	Input Value		
CDD_EOLSrIComSvcDft_Cnt_G_b32	1258		
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0		
CDD_PullCompDisableSvc_Cnt_G_lgc	0		
CDD_PwrAsstModeSvc_Cnt_G_lgc	1		
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1		
CDD_WIRDisableSvc_Cnt_G_lgc	1		
MfgDiagInhibit_Uls_G_lgc	0		
Nvm_CMEC_Cnt_u8	96		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	9.77999973	9.77999973 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc.value	0	0	✓

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	1258	1258	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.26 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0		
CDD_DftAsstTbl_Cnt_G_Igc	0		
CDD_DisableCEBusNormComm_Cnt_Igc	1		
CDD_DisableHSBusNormComm_Cnt_Igc	1		
CDD_DwnldAsstGain_Uls_G_f32	5.36000013		
CDD_EOLNtrWIRSelect_Cnt_G_u16	4785		
CDD_EOLSrlComSvcDft_Cnt_G_b32	6328		
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1		
CDD_PullCompDisableSvc_Cnt_G_Igc	1		
CDD_PwrAsstModeSvc_Cnt_G_Igc	0		
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0		
CDD_WIRDisableSvc_Cnt_G_Igc	0		
MfgDiagInhibit_Uls_G_Igc	1		
Nvm_CMEC_Cnt_u8	47		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	5.36000013	5.36000013 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	6328	6328	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.27 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	6.28000021
CDD_EOLNtrWIRSelect_Cnt_G_u16	9658
CDD_EOLSrlComSvcDft_Cnt_G_b32	7895
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_SftEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	148
NxtrMEC_Uls_G_enum	1
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc



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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAssTbI_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	6.28000021	6.28000021 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	7895	7895	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAssTbI_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1

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CDDInterface\_Per4

Name	Input Value		
CDD_DwnldAsstGain_Uls_G_f32	7.48000002		
CDD_EOLNxrWIRSelect_Cnt_G_u16	2547		
CDD_EOLSrIComSvcDft_Cnt_G_b32	3289		
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	1		
CDD_PullCompDisableSvc_Cnt_G_lgc	1		
CDD_PwrAsstModeSvc_Cnt_G_lgc	0		
CDD_StfEndStpDisableSvc_Cnt_G_lgc	0		
CDD_WIRDisableSvc_Cnt_G_lgc	0		
MfgDiagInhibit_Uls_G_lgc	1		
Nvm_CMEC_Cnt_u8	153		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	7.48000002	7.48000002 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_lgc.value	0	0	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	3289	3289	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓	

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CDDInterface\_Per4

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0		
CDD_DftAsstTbl_Cnt_G_Igc	1		
CDD_DisableCEBusNormComm_Cnt_Igc	0		
CDD_DisableHSBusNormComm_Cnt_Igc	0		
CDD_DwnldAsstGain_Uls_G_f32	0		
CDD_EOLNxrWIRSelect_Cnt_G_u16	1258		
CDD_EOLSrIComSvcDft_Cnt_G_b32	3258		
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1		
CDD_PullCompDisableSvc_Cnt_G_Igc	0		
CDD_PwrAsstModeSvc_Cnt_G_Igc	1		
CDD_SttEndStpDisableSvc_Cnt_G_Igc	1		
CDD_WIRDisableSvc_Cnt_G_Igc	1		
MfgDiagInhibit_Uls_G_Igc	0		
Nvm_CMEC_Cnt_u8	174		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SttEndStpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SttEndStpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc.value	0	0	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	3258	3258	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.30 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	10
CDD_EOLNtrWIRSelect_Cnt_G_u16	3658
CDD_EOLSrlComSvcDft_Cnt_G_b32	6587
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	185
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	10	10 ± 0.00009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	6587	6587	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 2.31 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	5.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	4789
CDD_EOLSrlComSvcDft_Cnt_G_b32	4785
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_SftEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	0
NxtrMEC_Uls_G_enum	2
PrevMtrElecMechPolarity_Cnt_M_s08	0
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc



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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cr	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_I	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_I	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Ci	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cn	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Ig	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Ik	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	5.25	5.25 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4785	4785	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

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CDDInterface\_Per4

Test Step 2.32 (Repeat Count = 1)				✓
Name	Input Value			
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1			
CDD_DftAsstTbl_Cnt_G_lgc	0			
CDD_DisableCEBusNormComm_Cnt_lgc	1			
CDD_DisableHSBusNormComm_Cnt_lgc	1			
CDD_DwldAsstGain_Uls_f32	5.36000013			
CDD_EOLNtrWIRSelect_Cnt_G_u16	5421			
CDD_EOLSrlComSvcDft_Cnt_G_b32	9658			
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	1			
CDD_PullCompDisableSvc_Cnt_G_lgc	1			
CDD_PwrAsstModeSvc_Cnt_G_lgc	0			
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1			
CDD_WIRDisableSvc_Cnt_G_lgc	1			
MfgDiagInhibit_Uls_G_lgc	0			
Nvm_CMEC_Cnt_u8	147			
NxtrMEC_Uls_G_enum	1			
PrevMtrElecMechPolarity_Cnt_M_s08	-1			
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface			
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc			
Name	Actual Value	Expected Value	Result	
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓	
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓	
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	5.36000013	5.36000013 ± 0.000009	✓	
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1	1	✓	
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc.value	0	0	✓	
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc.value	0	0	✓	

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	9658	9658	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓	

Test Step 2.33 (Repeat Count = 1)		✓
Name	Input Value	
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0	
CDD_DftAsstTbl_Cnt_G_Igc	1	
CDD_DisableCEBusNormComm_Cnt_Igc	1	
CDD_DisableHSBusNormComm_Cnt_Igc	0	
CDD_DwnldAsstGain_Uls_G_f32	6.28000021	
CDD_EOLNxrWIRSelect_Cnt_G_u16	4789	
CDD_EOLSrlComSvcDft_Cnt_G_b32	2547	
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0	
CDD_PullCompDisableSvc_Cnt_G_Igc	0	
CDD_PwrAsstModeSvc_Cnt_G_Igc	1	
CDD_SftEndStpDisableSvc_Cnt_G_Igc	1	
CDD_WIRDisableSvc_Cnt_G_Igc	0	
MfgDiagInhibit_Uls_G_Igc	1	
Nvm_CMEC_Cnt_u8	156	
NxtrMEC_Uls_G_enum	0	
PrevMtrElecMechPolarity_Cnt_M_s08	1	
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface	
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbI_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	6.28000021	6.28000021 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	2547	2547	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.34 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbI_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	7.48000002
CDD_EOLNxrWIRSelect_Cnt_G_u16	5632
CDD_EOLSrlComSvcDft_Cnt_G_b32	1258
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	168
NxtrMEC_Uls_G_enum	1
PrevMtrElecMechPolarity_Cnt_M_s08	0
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SriComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSriComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
tgt_CDDInterface_Per4_BallNutTempEstSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DampingSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	7.48000002	7.48000002 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32.value	1258	1258	✓
tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

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CDDInterface\_Per4

Test Step 2.35 (Repeat Count = 1)				✓
Name	Input Value			
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1			
CDD_DftAsstTbl_Cnt_G_lgc	1			
CDD_DisableCEBusNormComm_Cnt_lgc	1			
CDD_DisableHSBusNormComm_Cnt_lgc	0			
CDD_DwnldAsstGain_Uls_G_f32	6.28000021			
CDD_EOLNtrWIRSelect_Cnt_G_u16	2147			
CDD_EOLSrComSvcDft_Cnt_G_b32	3658			
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0			
CDD_PullCompDisableSvc_Cnt_G_lgc	1			
CDD_PwrAsstModeSvc_Cnt_G_lgc	1			
CDD_SftEndStpDisableSvc_Cnt_G_lgc	1			
CDD_WIRDisableSvc_Cnt_G_lgc	1			
MfgDiagInhibit_Uls_G_lgc	1			
Nvm_CMEC_Cnt_u8	172			
NxtrMEC_Uls_G_enum	2			
PrevMtrElecMechPolarity_Cnt_M_s08	-1			
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface			
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_SftEndStpSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrComSvcDft_Cnt_b32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrComSvcDft_Cnt_lgc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc			
Name	Actual Value	Expected Value	Result	
CDD_ModIdxSrComSvcDft_Cnt_G_u16	1	1		✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1		✓
tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	6.28000021	6.28000021 ± 0.000009		✓
tgt_CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_EngONSrComSvcDft_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_lgc.value	1	1		✓
tgt_CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_HysAddSrComSvcDft_Cnt_lgc.value	0	0		✓
tgt_CDDInterface_Per4_HystCompSrComSvcDft_Cnt_lgc.value	0	0		✓



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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	3658	3658	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 2.36 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	7.48000002
CDD_EOLNtrWIRSelect_Cnt_G_u16	5874
CDD_EOLSrlComSvcDft_Cnt_G_b32	4789
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	185
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	7.48000002	7.48000002 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4789	4789	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0	✓	

Test Step 2.37 (Repeat Count = 1)		
Name	Input Value	
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	1	
CDD_DftAsstTbl_Cnt_G_lgc	0	
CDD_DisableCEBusNormComm_Cnt_lgc	1	
CDD_DisableHSBusNormComm_Cnt_lgc	1	
CDD_DwnldAsstGain_Uls_G_f32	8.85999966	
CDD_EOLNxtrWIRSelect_Cnt_G_u16	6859	
CDD_EOLSrlComSvcDft_Cnt_G_b32	5421	
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0	
CDD_PullCompDisableSvc_Cnt_G_lgc	1	
CDD_PwrAsstModeSvc_Cnt_G_lgc	0	
CDD_StfEndStpDisableSvc_Cnt_G_lgc	1	
CDD_WIRDisableSvc_Cnt_G_lgc	1	
MfgDiagInhibit_Uls_G_lgc	1	
Nvm_CMEC_Cnt_u8	0	
NxtrMEC_Uls_G_enum	2	
PrevMtrElecMechPolarity_Cnt_M_s08	0	
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface	
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	

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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	8.85999966	8.85999966 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	5421	5421	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

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CDDInterface\_Per4

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_igc	1		
CDD_DftAsstTbl_Cnt_G_igc	1		
CDD_DisableCEBusNormComm_Cnt_igc	0		
CDD_DisableHSBusNormComm_Cnt_igc	0		
CDD_DwnldAsstGain_Uls_G_f32	9.77999973		
CDD_EOLNtrWIRSelect_Cnt_G_u16	2478		
CDD_EOLSrlComSvcDft_Cnt_G_b32	4789		
CDD_GenPosTrajEnableFlag_Cnt_G_igc	0		
CDD_PullCompDisableSvc_Cnt_G_igc	0		
CDD_PwrAsstModeSvc_Cnt_G_igc	1		
CDD_StfEndStpDisableSvc_Cnt_G_igc	0		
CDD_WIRDisableSvc_Cnt_G_igc	0		
MfgDiagInhibit_Uls_G_igc	0		
Nvm_CMEC_Cnt_u8	175		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultiIgnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MultiIgnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	9.77999973	9.77999973 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc.value	1	1	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc.value	1	1	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32.value	4789	4789	✓
tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.39 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	3.25
CDD_EOLNtrWIRSelect_Cnt_G_u16	9658
CDD_EOLSrIComSvcDft_Cnt_G_b32	5632
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	1
Nvm_CMEC_Cnt_u8	185
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	3.25	3.25 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	5632	5632	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 2.40 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1
CDD_DftAsstTbl_Cnt_G_Igc	1
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	4.48000002
CDD_EOLNtrWIRSelect_Cnt_G_u16	5874
CDD_EOLSrlComSvcDft_Cnt_G_b32	2147
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	1
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	127



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CDDInterface\_Per4

Name	Input Value		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	4.48000002	4.48000002 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	2147	2147	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 2.41 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0		
CDD_DftAsstTbl_Cnt_G_Igc	0		
CDD_DisableCEBusNormComm_Cnt_Igc	0		
CDD_DisableHSBusNormComm_Cnt_Igc	0		
CDD_DwnldAsstGain_Uls_G_f32	3.25		
CDD_EOLNxtrWIRSelect_Cnt_G_u16	9775		
CDD_EOLSrIComSvcDft_Cnt_G_b32	5874		
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1		
CDD_PullCompDisableSvc_Cnt_G_Igc	1		
CDD_PwrAsstModeSvc_Cnt_G_Igc	0		
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1		
CDD_WIRDisableSvc_Cnt_G_Igc	1		
MfgDiagInhibit_Uls_G_Igc	1		
Nvm_CMEC_Cnt_u8	185		
NxtrMEC_Uls_G_enum	1		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	3.25	3.25 ± 0.000009	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	5874	5874	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Case 3: Path Test

## Specification

Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS3.1 1300.00 Cycles  
TS3.2 1247.00 Cycles  
TS3.3 738.00 Cycles  
TS3.4 709.00 Cycles  
TS3.5 697.00 Cycles  
TS3.6 727.00 Cycles  
TS3.7 727.00 Cycles  
TS3.8 723.00 Cycles  
TS3.9 728.00 Cycles  
TS3.10 712.00 Cycles  
TS3.11 743.00 Cycles  
TS3.12 1204.00 Cycles  
TS3.13 1240.00 Cycles  
TS3.14 789.00 Cycles  
TS3.15 738.00 Cycles

## Description

Vector Description:

TS3.1"((D\_WHLIMBSEL\_CNT\_U16 = CDD\_EOLNtrWIRSelect\_Cnt\_G\_u16)T And \_  
(False = CDD\_WIRDisableSvc\_Cnt\_G\_lgc)T And \_  
(0 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTWHLIMBREJ\_CNT\_B32))T And \_  
((NxrMEC\_Uls\_G\_enum <> ProductionMode)F Or \_  
((NxrMEC\_Uls\_G\_enum = ProductionMode)T And (Nvm\_CMEC\_Cnt\_u8 = 0)T)))=True"  
TS3.2"((D\_WHLIMBSEL\_CNT\_U16 = CDD\_EOLNtrWIRSelect\_Cnt\_G\_u16)T And \_  
(False = CDD\_WIRDisableSvc\_Cnt\_G\_lgc)T And \_  
(0 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTWHLIMBREJ\_CNT\_B32))T And \_  
((NxrMEC\_Uls\_G\_enum <> ProductionMode)F Or \_  
((NxrMEC\_Uls\_G\_enum = ProductionMode)F And (Nvm\_CMEC\_Cnt\_u8 = 0)T)))=True"  
TS3.3"((D\_WHLIMBSEL\_CNT\_U16 = CDD\_EOLNtrWIRSelect\_Cnt\_G\_u16)T And \_  
(False = CDD\_WIRDisableSvc\_Cnt\_G\_lgc)T And \_  
(0 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTWHLIMBREJ\_CNT\_B32))T And \_  
((NxrMEC\_Uls\_G\_enum <> ProductionMode)F Or \_  
((NxrMEC\_Uls\_G\_enum = ProductionMode)T And (Nvm\_CMEC\_Cnt\_u8 = 0)F)))=False"  
TS3.4"((D\_WHLIMBSEL\_CNT\_U16 = CDD\_EOLNtrWIRSelect\_Cnt\_G\_u16)T And \_  
(False = CDD\_WIRDisableSvc\_Cnt\_G\_lgc)T And \_  
(0 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTWHLIMBREJ\_CNT\_B32))F And \_  
((NxrMEC\_Uls\_G\_enum <> ProductionMode)F Or \_  
((NxrMEC\_Uls\_G\_enum = ProductionMode)T And (Nvm\_CMEC\_Cnt\_u8 = 0)))=False"  
TS3.5"((D\_WHLIMBSEL\_CNT\_U16 = CDD\_EOLNtrWIRSelect\_Cnt\_G\_u16)T And \_  
(False = CDD\_WIRDisableSvc\_Cnt\_G\_lgc)F And \_  
(0 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTWHLIMBREJ\_CNT\_B32))F And \_  
((NxrMEC\_Uls\_G\_enum <> ProductionMode)F Or \_  
((NxrMEC\_Uls\_G\_enum = ProductionMode)T And (Nvm\_CMEC\_Cnt\_u8 = 0)))=False"  
TS3.6(D\_SVCDFTFRICLRN\_CNT\_B32 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTFRICLRN\_CNT\_B32))=True  
TS3.7(D\_SVCDFTRETURN\_CNT\_B32 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTRETURN\_CNT\_B32))=True  
TS3.8(D\_SVCDFTDAMPING\_CNT\_B32 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTDAMPING\_CNT\_B32))=True  
TS3.9(D\_SVCDFTLIMIT\_CNT\_B32 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32, D\_SVCDFTLIMIT\_CNT\_B32))=True  
TS3.10(D\_SVCDFTPULLCOMPLRN\_CNT\_B32 = BitwiseAND(CDD\_EOLSrComSvcDft\_Cnt\_G\_b32,  
D\_SVCDFTPULLCOMPLRN\_CNT\_B32))=True  
TS3.11(D\_SVCDFTKININTDIAG\_CNT\_B32 == (CDD\_EOLSrComSvcDft\_Cnt\_G\_b32 & D\_SVCDFTKININTDIAG\_CNT\_B32))=True  
TS3.12"((D\_SVCDFTENGON\_CNT\_B32 == (CDD\_EOLSrComSvcDft\_Cnt\_G\_b32 & D\_SVCDFTENGON\_CNT\_B32)) ||  
(CDD\_PwrAsstModeSvc\_Cnt\_G\_lgc == TRUE))=False"  
TS3.13(D\_SVCDFTKININTDIAG\_CNT\_B32 == (CDD\_EOLSrComSvcDft\_Cnt\_G\_b32 & D\_SVCDFTKININTDIAG\_CNT\_B32))=False  
TS3.14(D\_SVCDFTTEOTHTHERMAL\_CNT\_B32 == (CDD\_EOLSrComSvcDft\_Cnt\_G\_b32 & D\_SVCDFTTEOTHTHERMAL\_CNT\_B32))=True  
TS3.15"((D\_WHLIMBSEL\_CNT\_U16 == CDD\_EOLNtrWIRSelect\_Cnt\_G\_u16)==>True &&  
(FALSE == CDD\_WIRDisableSvc\_Cnt\_G\_lgc)==>True &&  
(0U == (CDD\_EOLSrComSvcDft\_Cnt\_G\_b32 & D\_SVCDFTWHLIMBREJ\_CNT\_B32))=>True &&  
((NxrMEC\_Uls\_G\_enum != ProductionMode)==>False ||  
((NxrMEC\_Uls\_G\_enum == ProductionMode)==>True && ((Nvm\_CMEC\_Cnt\_u8 == 0U)==>False || (Nvm\_CMEC\_Cnt\_u8 ==  
0xFF)==>True)))")

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_lgc	0
CDD_DftAsstTbl_Cnt_G_lgc	0
CDD_DisableCEBusNormComm_Cnt_lgc	0
CDD_DisableHSBusNormComm_Cnt_lgc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrComSvcDft_Cnt_G_b32	0
CDD_GenPosTrajEnableFlag_Cnt_G_lgc	0
CDD_PullCompDisableSvc_Cnt_G_lgc	0
CDD_PwrAsstModeSvc_Cnt_G_lgc	0
CDD_SftEndStpDisableSvc_Cnt_G_lgc	0
CDD_WIRDisableSvc_Cnt_G_lgc	0
MfgDiagInhibit_Uls_G_lgc	0
Nvm_CMEC_Cnt_u8	0
NxrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_lgc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc

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Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cr	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_I	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_I	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModlxdSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModlxdSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Ci	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cn	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Ig	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Ik	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModlxdSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModlxdSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

# TEST DETAILS REPORT

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CDDInterface\_Per4

Test Step 3.2 (Repeat Count = 1)				✓
Name	Input Value			
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0			
CDD_DftAsstTbl_Cnt_G_Igc	0			
CDD_DisableCEBusNormComm_Cnt_Igc	0			
CDD_DisableHSBusNormComm_Cnt_Igc	0			
CDD_DwldAsstGain_Uls_G_f32	0			
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402			
CDD_EOLSRlComSvcDft_Cnt_G_b32	0			
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0			
CDD_PullCompDisableSvc_Cnt_G_Igc	0			
CDD_PwrAsstModeSvc_Cnt_G_Igc	0			
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0			
CDD_WIRDisableSvc_Cnt_G_Igc	0			
MfgDiagInhibit_Uls_G_Igc	0			
Nvm_CMEC_Cnt_u8	0			
NxtrMEC_Uls_G_enum	1			
PrevMtrElecMechPolarity_Cnt_M_s08	0			
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface			
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc			
Name	Actual Value	Expected Value	Result	
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0		✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1		✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	0	0 ± 0.000009		✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0		✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0		✓



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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	1	1	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrlComSvcDft_Cnt_G_b32	0
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_SftEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	5
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.4 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNxrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrlComSvcDft_Cnt_G_b32	2048
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	0
NxrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SriComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSriComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLmSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SriComSvcDft_Cnt_b32.value	2048	2048	✓
tgt_CDDInterface_Per4_ThermalDCSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSriComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

# TEST DETAILS REPORT

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CDDInterface\_Per4

Test Step 3.5 (Repeat Count = 1)				✓
Name	Input Value			
CDD_BallNutTempEstDisableSvc_Cnt_G_igc	0			
CDD_DftAsstTbl_Cnt_G_igc	0			
CDD_DisableCEBusNormComm_Cnt_igc	0			
CDD_DisableHSBusNormComm_Cnt_igc	0			
CDD_DwnldAsstGain_Uls_G_f32	0			
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402			
CDD_EOLSrComSvcDft_Cnt_G_b32	2048			
CDD_GenPosTrajEnableFlag_Cnt_G_igc	0			
CDD_PullCompDisableSvc_Cnt_G_igc	0			
CDD_PwrAsstModeSvc_Cnt_G_igc	0			
CDD_StfEndStpDisableSvc_Cnt_G_igc	0			
CDD_WIRDisableSvc_Cnt_G_igc	1			
MfgDiagInhibit_Uls_G_igc	0			
Nvm_CMEC_Cnt_u8	0			
NxtrMEC_Uls_G_enum	0			
PrevMtrElecMechPolarity_Cnt_M_s08	-1			
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface			
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EngONSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HysAddSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HystCompSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_KinIntDiagSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_LimitSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ModIdxSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MultIgnSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ParkAstSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompLrnSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ReturnSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_RxMsgsSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_StfEndStpSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrComSvcDft_Cnt_b32			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ThermalDCSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_TrqRmpSrComSvcDft_Cnt_igc			
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_igc			
Name	Actual Value	Expected Value	Result	
CDD_ModIdxSrComSvcDft_Cnt_G_u16	0	0		✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1		✓
tgt_CDDInterface_Per4_BallNutTempEstSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_DampingSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_DrivingDynSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009		✓
tgt_CDDInterface_Per4_EOTImpactSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_EOTThermalSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_EngONSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_FreqDepDmpSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_FricLrnSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_HysAddSrComSvcDft_Cnt_igc.value	0	0		✓
tgt_CDDInterface_Per4_HystCompSrComSvcDft_Cnt_igc.value	0	0		✓

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	2048	2048	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.6 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrlComSvcDft_Cnt_G_b32	1048576
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	0
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	1048576	1048576	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace					✓
Actual Function	Count	Expected Function	Count	Result	
*none*	0	*** No Call Expected ***	0		✓

Test Step 3.7 (Repeat Count = 1)		✓
Name	Input Value	
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0	
CDD_DftAsstTbl_Cnt_G_Igc	0	
CDD_DisableCEBusNormComm_Cnt_Igc	0	
CDD_DisableHSBusNormComm_Cnt_Igc	0	
CDD_DwnldAsstGain_Uls_G_f32	0	
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402	
CDD_EOLSrlComSvcDft_Cnt_G_b32	65536	
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0	
CDD_PullCompDisableSvc_Cnt_G_Igc	0	
CDD_PwrAsstModeSvc_Cnt_G_Igc	0	
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0	
CDD_WIRDisableSvc_Cnt_G_Igc	1	
MfgDiagInhibit_Uls_G_Igc	0	
Nvm_CMEC_Cnt_u8	0	
NxtrMEC_Uls_G_enum	0	
PrevMtrElecMechPolarity_Cnt_M_s08	-1	
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface	
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1	
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	



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Name	Input Value		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	65536	65536	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.8 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_igc	0		
CDD_DftAsstTbl_Cnt_G_igc	0		
CDD_DisableCEBusNormComm_Cnt_igc	0		
CDD_DisableHSBusNormComm_Cnt_igc	0		
CDD_DwnldAsstGain_Uls_G_f32	0		
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402		
CDD_EOLSrlComSvcDft_Cnt_G_b32	131072		
CDD_GenPosTrajEnableFlag_Cnt_G_igc	0		
CDD_PullCompDisableSvc_Cnt_G_igc	0		
CDD_PwrAsstModeSvc_Cnt_G_igc	0		
CDD_StfEndStpDisableSvc_Cnt_G_igc	0		
CDD_WIRDisableSvc_Cnt_G_igc	1		
MfgDiagInhibit_Uls_G_igc	0		
Nvm_CMEC_Cnt_u8	0		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultiIgnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_MultiIgnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_igc.value	1	1	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_igc.value	0	0	✓

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLmSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32.value	131072	131072	✓
tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 3.9 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNxrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrIComSvcDft_Cnt_G_b32	262144
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	0
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrIComSvcDft_Cnt_Igc

# TEST DETAILS REPORT

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	0	0 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	262144	262144	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 3.10 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNtrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrlComSvcDft_Cnt_G_b32	524288
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	0

# TEST DETAILS REPORT

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CDDInterface\_Per4

Name	Input Value		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	0	0 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	524288	524288	✔
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✔

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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

## Test Step 3.11 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0		
CDD_DftAsstTbl_Cnt_G_Igc	1		
CDD_DisableCEBusNormComm_Cnt_Igc	0		
CDD_DisableHSBusNormComm_Cnt_Igc	0		
CDD_DwnldAsstGain_Uls_G_f32	1.25		
CDD_EOLNxtrWIRSelect_Cnt_G_u16	1259		
CDD_EOLSrIComSvcDft_Cnt_G_b32	2548		
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0		
CDD_PullCompDisableSvc_Cnt_G_Igc	0		
CDD_PwrAsstModeSvc_Cnt_G_Igc	1		
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1		
CDD_WIRDisableSvc_Cnt_G_Igc	0		
MfgDiagInhibit_Uls_G_Igc	1		
Nvm_CMEC_Cnt_u8	174		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	-1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrIComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrIComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrIComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrIComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DrivingDynSrIComSvcDft_Cnt_Igc.value	0	0	✔
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	1.25	1.25 ± 0.000009	✔



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CDDInterface\_Per4

Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	2548	2548	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 3.12 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	4.48000002
CDD_EOLNtrWIRSelect_Cnt_u16	4579
CDD_EOLSrlComSvcDft_Cnt_G_b32	5876
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_SftEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	1
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	128
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	0
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAssTbI_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	4.48000002	4.48000002 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLmSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLmSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	5876	5876	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 3.13 (Repeat Count = 1)

Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAssTbI_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	1
CDD_DisableHSBusNormComm_Cnt_Igc	1
CDD_DwnldAsstGain_Uls_G_f32	8.85999966
CDD_EOLNtrWIRSelect_Cnt_G_u16	65535
CDD_EOLSrlComSvcDft_Cnt_G_b32	4587
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	1
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1
CDD_WIRDisableSvc_Cnt_G_Igc	1

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Name	Input Value		
MfgDiagInhibit_Uls_G_lgc	0		
Nvm_CMEC_Cnt_u8	0		
NxtrMEC_Uls_G_enum	0		
PrevMtrElecMechPolarity_Cnt_M_s08	0		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_lgc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_lgc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_lgc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_lgc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	8.85999966	8.85999966 ± 0.000009	✔
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✔
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_lgc.value	0	0	✔
tgt_CDDInterface_Per4_SftEndStpSrlComSvcDft_Cnt_lgc.value	1	1	✔
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4587	4587	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 3.14 (Repeat Count = 1)

Name	Input Value		
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	1		
CDD_DftAsstTbl_Cnt_G_Igc	1		
CDD_DisableCEBusNormComm_Cnt_Igc	1		
CDD_DisableHSBusNormComm_Cnt_Igc	1		
CDD_DwnldAsstGain_Uls_G_f32	10		
CDD_EOLNxrWIRSelect_Cnt_G_u16	65535		
CDD_EOLSrlComSvcDft_Cnt_G_b32	4294967295		
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	1		
CDD_PullCompDisableSvc_Cnt_G_Igc	1		
CDD_PwrAsstModeSvc_Cnt_G_Igc	1		
CDD_StfEndStpDisableSvc_Cnt_G_Igc	1		
CDD_WIRDisableSvc_Cnt_G_Igc	1		
MfgDiagInhibit_Uls_G_Igc	1		
Nvm_CMEC_Cnt_u8	255		
NxtrMEC_Uls_G_enum	2		
PrevMtrElecMechPolarity_Cnt_M_s08	1		
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface		
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	1		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc		
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc		
Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	1	1	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	1	1	✔
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	1	1	✔

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Name	Actual Value	Expected Value	Result
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32.value	10	10 ± 0.00009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	2	2	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_StEndStpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	4294967295	4294967295	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	1	1	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	0	0	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓

Test Step 3.15 (Repeat Count = 1)	
Name	Input Value
CDD_BallNutTempEstDisableSvc_Cnt_G_Igc	0
CDD_DftAsstTbl_Cnt_G_Igc	0
CDD_DisableCEBusNormComm_Cnt_Igc	0
CDD_DisableHSBusNormComm_Cnt_Igc	0
CDD_DwnldAsstGain_Uls_G_f32	0
CDD_EOLNxrWIRSelect_Cnt_G_u16	42402
CDD_EOLSrlComSvcDft_Cnt_G_b32	0
CDD_GenPosTrajEnableFlag_Cnt_G_Igc	0
CDD_PullCompDisableSvc_Cnt_G_Igc	0
CDD_PwrAsstModeSvc_Cnt_G_Igc	0
CDD_StEndStpDisableSvc_Cnt_G_Igc	0
CDD_WIRDisableSvc_Cnt_G_Igc	0
MfgDiagInhibit_Uls_G_Igc	0
Nvm_CMEC_Cnt_u8	255
NxtrMEC_Uls_G_enum	0
PrevMtrElecMechPolarity_Cnt_M_s08	-1
Rte_Inst_Sa_CDDInterface	tgt_Rte_Inst_Sa_CDDInterface
tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08.value	-1
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DftAsstTbl_Cnt_Igc	tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc	tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_DwnldAsstGain_Uls_f32	tgt_CDDInterface_Per4_DwnldAsstGain_Uls_f32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MEC_Cnt_enum	tgt_CDDInterface_Per4_MEC_Cnt_enum

# TEST DETAILS REPORT

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CDDInterface\_Per4

Name	Input Value
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc	tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08	tgt_CDDInterface_Per4_MtrElecMechPolarity_Cnt_s08
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PosTrajEnable_Cnt_Igc	tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_SrlComSvcDft_Cnt_b32	tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc	tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc
tgt_Rte_Inst_Sa_CDDInterface.CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc	tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc

Name	Actual Value	Expected Value	Result
CDD_ModIdxSrlComSvcDft_Cnt_G_u16	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
tgt_CDDInterface_Per4_BallNutTempEstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DampingSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DftAsstTbl_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableCEBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DisableHSBusNormComm_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DrivingDynSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_DwldAsstGain_Uls_f32.value	0	0 ± 0.000009	✓
tgt_CDDInterface_Per4_EOTImpactSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EOTThermalSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_EngONSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FreqDepDmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_FricLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HysAddSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_HystCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_KinIntDiagSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_LimitSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MEC_Cnt_enum.value	0	0	✓
tgt_CDDInterface_Per4_MfgDiagInhibit_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ModIdxSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrParmNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MtrVelNrmLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_MultIgnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ParkAstSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PosTrajEnable_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompLrnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_PullCompSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_ReturnSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_RxMsgsSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_StfEndStpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_SrlComSvcDft_Cnt_b32.value	0	0	✓
tgt_CDDInterface_Per4_ThermalDCSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_TrqRmpSrlComSvcDft_Cnt_Igc.value	0	0	✓
tgt_CDDInterface_Per4_WIRMfgEnabled_Cnt_Igc.value	1	1	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
*none*	0	*** No Call Expected ***	0	✓



# TEST DETAILS REPORT

2015-02-18, 15:45:55+0530

CDDPorts\_ApplyMtrElecMechPol



Project	CDDInterface
Module	CDDInterface
Test Object	CDDPorts_ApplyMtrElecMechPol

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested."  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtrMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtrMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0

# TEST DETAILS REPORT

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CDDPorts\_ApplyMtrElecMechPol



Attributes	
Name	Value
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Boundary Test

**Specification** Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS 1.1 507.00 Cycles  
TS 1.2 456.00 Cycles

**Description** Vector Description:

TS1.1MtrElecMechPol\_Cnt\_s8 = min  
TS1.2MtrElecMechPol\_Cnt\_s8 = max

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
MtrElecMechPol_Cnt_s8	-1		
Name	Actual Value	Expected Value	Result
CDD_MtrElecPol_Cnt_G_s8	-1	-1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDD_ApplyPWMMtrElecMechPol	1	CDD_ApplyPWMMtrElecMechPol	1	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
MtrElecMechPol_Cnt_s8	1		
Name	Actual Value	Expected Value	Result
CDD_MtrElecPol_Cnt_G_s8	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
CDD_ApplyPWMMtrElecMechPol	1	CDD_ApplyPWMMtrElecMechPol	1	✓

# TEST DETAILS REPORT

2015-02-18, 15:36:33+0530

CDDInterface\_Init2



Project	CDDInterface
Module	CDDInterface
Test Object	CDDInterface_Init2

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested."  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtrMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtrMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0

# TEST DETAILS REPORT

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CDDInterface\_Init2



Attributes	
Name	Value
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

2015-02-18, 15:36:33+0530

CDDInterface\_Init2



## Test Case 1: Boundary Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 544.00 Cycles TS1.2 512.00 Cycles TS1.3 512.00 Cycles TS1.4 512.00 Cycles TS1.5 512.00 Cycles TS1.6 512.00 Cycles TS1.7 512.00 Cycles TS1.8 512.00 Cycles TS1.9 512.00 Cycles TS1.10 512.00 Cycles TS1.11 512.00 Cycles TS1.12 512.00 Cycles TS1.13 512.00 Cycles TS1.14 512.00 Cycles TS1.15 512.00 Cycles TS1.16 512.00 Cycles
<b>Description</b>	Vector Description:  TS1.1All Min TS1.2All Max TS1.3MtrElecMechPolarity_Cnt_s08=min TS1.4MtrElecMechPolarity_Cnt_s08=max TS1.5HET_P1ACC_1.memory.data_word=min TS1.6HET_P1ACC_1.memory.data_word=max TS1.7HET_P1ACC_1.memory.data_word=pos TS1.8HET_P2ACC_1.memory.data_word=min TS1.9HET_P2ACC_1.memory.data_word=max TS1.10HET_P2ACC_1.memory.data_word=pos TS1.11HET_P3ACC_1.memory.data_word=min TS1.12HET_P3ACC_1.memory.data_word=max TS1.13HET_P3ACC_1.memory.data_word=pos TS1.14NxrMEC_Uls_G_enum=ProductionMode TS1.15NxrMEC_Uls_G_enum=ManufacturingMode TS1.16NxrMEC_Uls_G_enum=EngineeringMode

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	0		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	0		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	0	0	✓
PXAccumPrev_Cnt_M_u32[1]	0	0	✓
PXAccumPrev_Cnt_M_u32[2]	0	0	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	2		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	536870911		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✔



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Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	67108863	67108863	✓
PXAccumPrev_Cnt_M_u32[1]	67108863	67108863	✓
PXAccumPrev_Cnt_M_u32[2]	67108863	67108863	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.3 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	0		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	1258465		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	247863		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4778522		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	157308	157308	✓
PXAccumPrev_Cnt_M_u32[1]	30982	30982	✓
PXAccumPrev_Cnt_M_u32[2]	597315	597315	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.4 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	1		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	1485762		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	685746		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4785232		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	185720	185720	✓
PXAccumPrev_Cnt_M_u32[1]	85718	85718	✓
PXAccumPrev_Cnt_M_u32[2]	598154	598154	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

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## Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	0		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	965874		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	1258465		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
CDD_Vecu_Volt_G_f32[0]	31	31	✔
CDD_Vecu_Volt_G_f32[1]	31	31	✔
PXAccumPrev_Cnt_M_u32[0]	0	0	✔
PXAccumPrev_Cnt_M_u32[1]	120734	120734	✔
PXAccumPrev_Cnt_M_u32[2]	157308	157308	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
target_CDDInterface_Init2_MEC_Cnt_enum.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.6 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	1		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	358476		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	1485762		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	67108863	67108863	✓
PXAccumPrev_Cnt_M_u32[1]	44809	44809	✓
PXAccumPrev_Cnt_M_u32[2]	185720	185720	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	1	1	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.7 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	2		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	5248637		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	258746		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	965874		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_sc	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✔

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Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	656079	656079	✓
PXAccumPrev_Cnt_M_u32[1]	32343	32343	✓
PXAccumPrev_Cnt_M_u32[2]	120734	120734	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.8 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	1		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	185687		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	0		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	358476		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
CDD_Vecu_Volt_G_f32[0]	31	31	✔
CDD_Vecu_Volt_G_f32[1]	31	31	✔
PXAccumPrev_Cnt_M_u32[0]	23210	23210	✔
PXAccumPrev_Cnt_M_u32[1]	0	0	✔
PXAccumPrev_Cnt_M_u32[2]	44809	44809	✔
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✔
target_CDDInterface_Init2_MEC_Cnt_enum.value	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.9 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	0		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	256987		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	536870911		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	258746		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
CDD_Vecu_Volt_G_f32[0]	31	31	✔
CDD_Vecu_Volt_G_f32[1]	31	31	✔
PXAccumPrev_Cnt_M_u32[0]	32123	32123	✔
PXAccumPrev_Cnt_M_u32[1]	67108863	67108863	✔
PXAccumPrev_Cnt_M_u32[2]	32343	32343	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
target_CDDInterface_Init2_MEC_Cnt_enum.value	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

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Test Step 1.10 (Repeat Count = 1)				
Name	Input Value			
NxtrMEC_Uls_G_enum	1			
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface			
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	247863			
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	5248635			
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	185687			
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08			
Name	Actual Value	Expected Value	Result	
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓	
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓	
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓	
CDD_Vecu_Volt_G_f32[0]	31	31	✓	
CDD_Vecu_Volt_G_f32[1]	31	31	✓	
PXAccumPrev_Cnt_M_u32[0]	30982	30982	✓	
PXAccumPrev_Cnt_M_u32[1]	656079	656079	✓	
PXAccumPrev_Cnt_M_u32[2]	23210	23210	✓	
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓	
target_CDDInterface_Init2_MEC_Cnt_enum.value	1	1	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 1.11 (Repeat Count = 1)				
Name	Input Value			
NxtrMEC_Uls_G_enum	2			
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface			
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	685746			
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	147856			
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	0			
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08			
Name	Actual Value	Expected Value	Result	
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓	
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓	
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓	
CDD_Vecu_Volt_G_f32[0]	31	31	✓	
CDD_Vecu_Volt_G_f32[1]	31	31	✓	
PXAccumPrev_Cnt_M_u32[0]	85718	85718	✓	
PXAccumPrev_Cnt_M_u32[1]	18482	18482	✓	
PXAccumPrev_Cnt_M_u32[2]	0	0	✓	
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓	
target_CDDInterface_Init2_MEC_Cnt_enum.value	2	2	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

Test Step 1.12 (Repeat Count = 1)				
Name	Input Value			
NxtrMEC_Uls_G_enum	0			
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface			
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	756887			
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	1258465			
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	536870911			
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08			
Name	Actual Value	Expected Value	Result	
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓	

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Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	94610	94610	✓
PXAccumPrev_Cnt_M_u32[1]	157308	157308	✓
PXAccumPrev_Cnt_M_u32[2]	67108863	67108863	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.13 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	2		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	965874		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	1485762		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	4785368		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	120734	120734	✓
PXAccumPrev_Cnt_M_u32[1]	185720	185720	✓
PXAccumPrev_Cnt_M_u32[2]	598171	598171	✓
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.14 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	0		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	358476		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4778522		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	247863		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_st	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	44809	44809	✓
PXAccumPrev_Cnt_M_u32[1]	597315	597315	✓
PXAccumPrev_Cnt_M_u32[2]	30982	30982	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	0	0	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

# TEST DETAILS REPORT

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CDDInterface\_Init2



## Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	1		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	258746		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4785232		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	685746		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	-1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✔
CDD_Vecu_Volt_G_f32[0]	31	31	✔
CDD_Vecu_Volt_G_f32[1]	31	31	✔
PXAccumPrev_Cnt_M_u32[0]	32343	32343	✔
PXAccumPrev_Cnt_M_u32[1]	598154	598154	✔
PXAccumPrev_Cnt_M_u32[2]	85718	85718	✔
PrevMtrElecMechPolarity_Cnt_M_s08	-1	-1	✔
target_CDDInterface_Init2_MEC_Cnt_enum.value	1	1	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓

## Test Step 1.16 (Repeat Count = 1)

Name	Input Value		
NxtrMEC_Uls_G_enum	2		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
e_HETPROGRAM1_UN.Program1_ST.P1ACC_1.memory.data_word	147856		
e_HETPROGRAM1_UN.Program1_ST.P2ACC_1.memory.data_word	4785545		
e_HETPROGRAM1_UN.Program1_ST.P3ACC_1.memory.data_word	756887		
target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08.value	1		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MEC_Cnt_enum	target_CDDInterface_Init2_MEC_Cnt_enum		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Init2_MtrElecMechPolarity_Cnt_sc	target_CDDInterface_Init2_MtrElecMechPolarity_Cnt_s08		
Name	Actual Value	Expected Value	Result
CDD_AppDataFbkPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_CDDDataAccessBfr_Cnt_G_u16	0	0	✓
CDD_Vecu_Volt_G_f32[0]	31	31	✓
CDD_Vecu_Volt_G_f32[1]	31	31	✓
PXAccumPrev_Cnt_M_u32[0]	18482	18482	✓
PXAccumPrev_Cnt_M_u32[1]	598193	598193	✓
PXAccumPrev_Cnt_M_u32[2]	94610	94610	✓
PrevMtrElecMechPolarity_Cnt_M_s08	1	1	✓
target_CDDInterface_Init2_MEC_Cnt_enum.value	2	2	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	Rte_Call_Sa_CDDInterface_CDDPorts_ApplyMtrElecMechPol	1	✓



# TEST DETAILS REPORT

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CDDInterface\_Per2



Project	CDDInterface
Module	CDDInterface
Test Object	CDDInterface_Per2

## Instrumentation: Test Object Only

Statement (C0) Coverage	100 %
Branch (C1) Coverage	100 %

## Statistics

Total Testcases	1
Successful	1 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CDDInterface_c1xx
Configuration File	D:\Synergy_Work_Area\CDDInterface_c1xx\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\CDDInterface\src\Sa_CDDInterface.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -Dstatic= -I\$(PROJECTROOT)\CDDInterface\utp\contract -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'CDDInterface'	*****Unit Test Description***** Name of Tester: Ankita Bhardwaj Code File(s) Under Test: Sa_CDDInterface.c Code File(s) Version: 17 Module Design Document: NA Module Design Document Version: NA Data Dictionary Version: 1 Unit Test Plan Version: 2 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.31 Total FLASH Used (Bytes): 2290 Total RAM Used (Bytes): 13 Total CALS Used (Bytes): 0 Special Test Requirements: Test Date: 02-18-15 Comments: "Note 1: Inline function defined in GlobalMacro.h are not Unit Tested."  Note 2: ""CBD_Sandbox_dbg.map"" file is embedded for reference.  Note 3: Low Path Coverage in ""CDDInterface_Per4"" function because NxtrMEC_Uls_G_enum != ProductionMode) = FALSE and (NxtrMEC_Uls_G_enum == ProductionMode)=FALSE can not be satisfied." *****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(Compiler Install Path)\include
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0

# TEST DETAILS REPORT

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CDDInterface\_Per2



Attributes	
Name	Value
Timer Resolution	1.0
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CDDInterface_clxx\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

## Test Case 1: Boundary Test

## Specification

Performance Metrics (With "None"  
Instrumentation and WithPS Environment)  
CPU Cycles:

TS1.1 602.00 Cycles  
TS1.2 584.00 Cycles  
TS1.3 584.00 Cycles  
TS1.4 584.00 Cycles  
TS1.5 584.00 Cycles  
TS1.6 584.00 Cycles  
TS1.7 584.00 Cycles  
TS1.8 584.00 Cycles  
TS1.9 584.00 Cycles  
TS1.10 584.00 Cycles  
TS1.11 584.00 Cycles  
TS1.12 584.00 Cycles  
TS1.13 584.00 Cycles  
TS1.14 584.00 Cycles  
TS1.15 584.00 Cycles  
TS1.16 584.00 Cycles  
TS1.17 584.00 Cycles  
TS1.18 584.00 Cycles  
TS1.19 584.00 Cycles  
TS1.20 584.00 Cycles  
TS1.21 584.00 Cycles  
TS1.22 584.00 Cycles  
TS1.23 584.00 Cycles  
TS1.24 584.00 Cycles  
TS1.25 584.00 Cycles  
TS1.26 584.00 Cycles  
TS1.27 584.00 Cycles  
TS1.28 584.00 Cycles  
TS1.29 584.00 Cycles  
TS1.30 584.00 Cycles  
TS1.31 584.00 Cycles  
TS1.32 584.00 Cycles  
TS1.33 584.00 Cycles  
TS1.34 584.00 Cycles  
TS1.35 584.00 Cycles  
TS1.36 584.00 Cycles

## Description

Vector Description:

TS1.1All Min  
TS1.2All Max  
TS1.3CDD\_AppDataFwdPthAccessBfr\_Cnt\_G\_u16=min  
TS1.4CDD\_AppDataFwdPthAccessBfr\_Cnt\_G\_u16=max  
TS1.5CommOffset\_Cnt\_u16=min  
TS1.6CommOffset\_Cnt\_u16=max  
TS1.7CommOffset\_Cnt\_u16=pos  
TS1.8MRFMtrVel\_MtrRadpS\_f32=min  
TS1.9MRFMtrVel\_MtrRadpS\_f32=max  
TS1.10MRFMtrVel\_MtrRadpS\_f32=zero  
TS1.11MRFMtrVel\_MtrRadpS\_f32=pos  
TS1.12MRFMtrVel\_MtrRadpS\_f32=neg  
TS1.13MtrCurr1TempOffset\_Volt\_f32=min  
TS1.14MtrCurr1TempOffset\_Volt\_f32=max  
TS1.15MtrCurr1TempOffset\_Volt\_f32=zero  
TS1.16MtrCurr1TempOffset\_Volt\_f32=pos  
TS1.17MtrCurr1TempOffset\_Volt\_f32=neg  
TS1.18MtrCurr2TempOffset\_Volt\_f32=min  
TS1.19MtrCurr2TempOffset\_Volt\_f32=max  
TS1.20MtrCurr2TempOffset\_Volt\_f32=zero  
TS1.21MtrCurr2TempOffset\_Volt\_f32=pos  
TS1.22MtrCurr2TempOffset\_Volt\_f32=neg  
TS1.23MtrPosPolarity\_Cnt\_s08=min  
TS1.24MtrPosPolarity\_Cnt\_s08=max  
TS1.25AssistAssemblyPolarity\_Cnt\_s08=min  
TS1.26AssistAssemblyPolarity\_Cnt\_s08=max  
TS1.27MtrTrqCmdSign\_Cnt\_s16=min  
TS1.28MtrTrqCmdSign\_Cnt\_s16=max  
TS1.29SystemState\_Mode=RTE\_MODE\_StaMd\_Mode\_DISABLE  
TS1.30SystemState\_Mode=RTE\_MODE\_StaMd\_Mode\_OFF  
TS1.31SystemState\_Mode=RTE\_MODE\_StaMd\_Mode\_OPERATE  
TS1.32SystemState\_Mode=RTE\_MODE\_StaMd\_Mode\_WARMINIT  
TS1.33SystemState\_Mode=RTE\_TRANSITION\_StaMd\_Mode  
TS1.34Vecu\_Volt\_f32=min  
TS1.35Vecu\_Volt\_f32=max  
TS1.36Vecu\_Volt\_f32=mid

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-1118
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-1118
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0258789063
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0258789063
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0258789063
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	0
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	0

# TEST DETAILS REPORT

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CDDInterface\_Per2

Name	Input Value		
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1		
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1		
CDD_Vecu_Volt_G_f32[0]	5		
CDD_Vecu_Volt_G_f32[1]	5		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	0		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-1118		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0258789063		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	5		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-1118	-1118 ± 0.009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-1118	-1118 ± 0.009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	0	0	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	0	0	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	0	0	✔
CDD_Vecu_Volt_G_f32[0]	5	5 ± 0.000009	✔
CDD_Vecu_Volt_G_f32[1]	5	5 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.2 (Repeat Count = 1)	
Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	1118
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	1118
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0258789063
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0258789063
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0258789063
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0258789063
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	65535
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	65535
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	31
CDD_Vecu_Volt_G_f32[1]	31
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	4
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	65535
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	1118
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1

# TEST DETAILS REPORT





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CDDInterface\_Per2

Name	Input Value		
target_CDDInterface_Per2_Vecu_Volt_f32.value	31		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	1118	1118 ± 0.009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	1118	1118 ± 0.009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0258789063	0.0258789063 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0258789063	0.0258789063 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	65535	65535	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	65535	65535	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✔
CDD_SysState_Cnt_G_Enum	4	4	✔
CDD_Vecu_Volt_G_f32[0]	31	31 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	31	31 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.3 (Repeat Count = 1)				
Name		Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		0		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]		-1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]		192.830994		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]		203.834		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]		9.99999975e-005		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]		0.000199999995		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]		-0.0003000000014		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]		-0.000399999999		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]		4777		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]		6779		
CDD_MtrPosPolarity_Cnt_G_s08[0]		-1		
CDD_MtrPosPolarity_Cnt_G_s08[1]		-1		
CDD_Vecu_Volt_G_f32[0]		10.25		
CDD_Vecu_Volt_G_f32[1]		11.1499996		
Rte_Inst_Sa_CDDInterface		target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()		0		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value		1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value		1254		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value		526.25		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value		0.0122070313		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value		0.0078125		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value		-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value		-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value		5.61999989		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16		target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08		target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32		target_CDDInterface_Per2_Vecu_Volt_f32		
Name		Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		1	1	
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		1	1	
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]		1	1	

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Name	Actual Value	Expected Value	Result
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994	192.830994 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	526.25	526.25 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	9.99999975e-005	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.000300000014	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0078125	0.0078125 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4777	4777	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	1254	1254	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	0	0	✓
CDD_Vecu_Volt_G_f32[0]	10.25	10.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	5.61999989	5.61999989 ± 0.000009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.4 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	141.156998
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.000300000014
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.000399999999
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.000500000024
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.000600000028
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4898
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6966
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	12.25
CDD_Vecu_Volt_G_f32[1]	13.1800003
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	1485
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-147.690002
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0112304688
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0219726563
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	6.36000013
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-147.690002	-147.690002 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005	151.380005 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0112304688	-0.0112304688 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.000399999999	-0.000399999999 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0219726563	-0.0219726563 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.000600000028	0.000600000028 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	1485	1485	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6966	6966	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	6.36000013	6.36000013 ± 0.000009	✓
CDD_Vecu_Volt_G_f32[1]	13.1800003	13.1800003 ± 0.00009	✓



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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.5 (Repeat Count = 1)

Name	Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	100.264999		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	110.487999		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.000500000024		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.000600000028		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0006999999975		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.000799999998		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5019		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7153		
CDD_MtrPosPolarity_Cnt_G_s08[0]	1		
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1		
CDD_Vecu_Volt_G_f32[0]	14.2799997		
CDD_Vecu_Volt_G_f32[1]	15.1800003		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	65535		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-624.25		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	8.25		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	100.264999	100.264999 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-624.25	-624.25 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.000500000024	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0219726563	-0.0219726563 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0006999999975	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5019	5019	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	65535	65535	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✔
CDD_SysState_Cnt_G_Enum	3	3	✔
CDD_Vecu_Volt_G_f32[0]	14.2799997	14.2799997 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	8.25	8.25 ± 0.000009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.6 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-134.268005

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Name	Input Value
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-123.785004
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.000699999975
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.000799999998
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.000899999985
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.001000000005
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5140
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7340
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	16.8500004
CDD_Vecu_Volt_G_f32[1]	17.9599991
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	4
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	5000
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	145.25
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	5.67999983
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	145.25	145.25 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-123.785004	-123.785004 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.000799999998	-0.000799999998 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.001000000005	0.001000000005 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5000	5000	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7340	7340	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	4	4	✓
CDD_Vecu_Volt_G_f32[0]	5.67999983	5.67999983 ± 0.000009	✓
CDD_Vecu_Volt_G_f32[1]	17.9599991	17.9599991 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.7 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	147.304993
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	158.048004
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.000899999985
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.001000000005
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.001099999999
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.001200000006
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5261
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7527
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	18.25
CDD_Vecu_Volt_G_f32[1]	19.5799999
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3

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Name	Input Value
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	2564
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-586.349976
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.00390625
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0161132813
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	7.28000021
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	147.304993	147.304993 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-586.349976	-586.349976 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.000899999985	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00390625	0.00390625 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.001099999999	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0161132813	0.0161132813 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5261	5261	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	2564	2564	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	3	3	✓
CDD_Vecu_Volt_G_f32[0]	18.25	18.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	7.28000021	7.28000021 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.8 (Repeat Count = 1)	
Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-181.828003
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-170.824997
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.001099999999
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.001200000006
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0013
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.001399999995
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5382
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7714
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	20.2800007
CDD_Vecu_Volt_G_f32[1]	21.2600002
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	2
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	2548
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-1118
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	6.3499999
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32

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Name	Input Value		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-1118	-1118 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-170.824997	-170.824997 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0219726563	-0.0219726563 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00120000006	-0.00120000006 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00139999995	0.00139999995 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2548	2548	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7714	7714	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	2	2	✓
CDD_Vecu_Volt_G_f32[0]	6.3499999	6.3499999 ± 0.000009	✓
CDD_Vecu_Volt_G_f32[1]	21.2600002	21.2600002 ± 0.00009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.9 (Repeat Count = 1)				
Name	Input Value			
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0			
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1			
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1			
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	194.345001			
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	205.608002			
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0013			
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00139999995			
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00150000001			
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00159999996			
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4656			
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6592			
CDD_MtrPosPolarity_Cnt_G_s08[0]	1			
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1			
CDD_Vecu_Volt_G_f32[0]	22.4699993			
CDD_Vecu_Volt_G_f32[1]	23.2800007			
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface			
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1			
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1			
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	3254			
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	1118			
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0122070313			
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0219726563			
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1			
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1			
target_CDDInterface_Per2_Vecu_Volt_f32.value	8.27999973			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16			
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32			
Name	Actual Value	Expected Value	Result	
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓	
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓	
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✓	
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	194.345001	194.345001 ± 0.0009	✓	
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	1118	1118 ± 0.009	✓	
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0013	0 ± 0.0625	✓	
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓	
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00150000001	0 ± 0.0625	✓	
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0219726563	-0.0219726563 ± 0.0625	✓	

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Name	Actual Value	Expected Value	Result
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4656	4656	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3254	3254	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	22.4699993	22.4699993 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	8.27999973	8.27999973 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.10 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	120.710999
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	130.934006
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00150000001
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.001599999996
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.004699999993
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00480000023
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4777
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6779
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	7.17999983
CDD_Vecu_Volt_G_f32[1]	8.57999992
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	4589
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	0
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0161132813
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	9.27999973
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	0	0 ± 0.00009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	130.934006	130.934006 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.001599999996	-0.001599999996 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0161132813	-0.0161132813 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00480000023	0.00480000023 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4589	4589	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6779	6779	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	0	0	✓
CDD_Vecu_Volt_G_f32[0]	9.27999973	9.27999973 ± 0.000009	✓
CDD_Vecu_Volt_G_f32[1]	8.57999992	8.57999992 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

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## Test Step 1.11 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	144.751007
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	155.233994
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00469999993
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00480000023
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.004900000006
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00499999989
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4898
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6966
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	9.27999973
CDD_Vecu_Volt_G_f32[1]	10.2799997
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	2358
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	783.25
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0078125
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0078125
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	12.3500004
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	144.751007	144.751007 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	783.25	783.25 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00469999993	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0078125	0.0078125 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.004900000006	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0078125	0.0078125 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4898	4898	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	2358	2358	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	9.27999973	9.27999973 ± 0.000009	✓
CDD_Vecu_Volt_G_f32[1]	12.3500004	12.3500004 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.12 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-168.791
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-159.533997
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.004900000006
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00499999989
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00510000018
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00520000001
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5019



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Name	Input Value
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7153
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	10.25
CDD_Vecu_Volt_G_f32[1]	11.1499996
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	3547
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-825.359985
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0161132813
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	13.1400003
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-168.791	-168.791 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-825.359985	-825.359985 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00490000006	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0161132813	0.0161132813 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00510000018	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5019	5019	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3547	3547	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	3	3	✓
CDD_Vecu_Volt_G_f32[0]	10.25	10.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	13.1400003	13.1400003 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.13 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	203.834
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00510000018
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00520000001
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00529999984
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00540000014
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5140
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7340
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	12.25
CDD_Vecu_Volt_G_f32[1]	13.1800003
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	4
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	5869
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-358.884979
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0112304688
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1

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Name	Input Value		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	10.2399998		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994	192.830994 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-358.884979	-358.884979 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00510000018	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00529999984	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0112304688	-0.0112304688 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5140	5140	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	5869	5869	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	4	4	✔
CDD_Vecu_Volt_G_f32[0]	12.25	12.25 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	10.2399998	10.2399998 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.14 (Repeat Count = 1)				
Name		Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]		-1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]		141.156998		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]		151.380005		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]		-0.005299999984		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]		-0.005400000014		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]		0.005499999997		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]		0.00559999998		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]		5261		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]		7527		
CDD_MtrPosPolarity_Cnt_G_s08[0]		-1		
CDD_MtrPosPolarity_Cnt_G_s08[1]		1		
CDD_Vecu_Volt_G_f32[0]		14.2799997		
CDD_Vecu_Volt_G_f32[1]		15.1800003		
Rte_Inst_Sa_CDDInterface		target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()		2		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value		1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value		1258		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value		153.25		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value		0.0258789063		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value		0.00390625		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value		1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value		-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value		11.25		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16		target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08		target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32		target_CDDInterface_Per2_Vecu_Volt_f32		
Name		Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		1	1	✓

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Name	Actual Value	Expected Value	Result
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	153.25	153.25 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005	151.380005 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00540000014	-0.00540000014 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00390625	0.00390625 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0055999998	0.0055999998 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	1258	1258	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7527	7527	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	2	2	✓
CDD_Vecu_Volt_G_f32[0]	11.25	11.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	15.1800003	15.1800003 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.15 (Repeat Count = 1)

Name	Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-176.199997		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-165.716995		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00549999997		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0055999998		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0057000001		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00579999993		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5382		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7714		
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1		
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1		
CDD_Vecu_Volt_G_f32[0]	16.8500004		
CDD_Vecu_Volt_G_f32[1]	17.9599991		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	2358		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-130.417068		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0219726563		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	12.3500004		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-176.199997	-176.199997 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-130.417068	-130.417068 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00549999997	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0057000001	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0219726563	-0.0219726563 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5382	5382	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	2358	2358	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✔
CDD_SysState_Cnt_G_Enum	1	1	✔
CDD_Vecu_Volt_G_f32[0]	16.8500004	16.8500004 ± 0.00009	✔

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Name	Actual Value	Expected Value	Result
CDD_Vecu_Volt_G_f32[1]	12.3500004	12.3500004 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.16 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-201.020004
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-190.276993
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0057000001
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00579999993
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00590000022
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00600000005
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5503
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	7901
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	18.25
CDD_Vecu_Volt_G_f32[1]	19.5799999
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	8685
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	1044.89429
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0148577001
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	9.27999973
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-201.020004	-201.020004 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	1044.89429	1044.89429 ± 0.009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0057000001	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0148577001	0.0148577001 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00590000022	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5503	5503	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8685	8685	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	0	0	✓
CDD_Vecu_Volt_G_f32[0]	18.25	18.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	9.27999973	9.27999973 ± 0.000009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.17 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1

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CDDInterface\_Per2

Name	Input Value		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	214.837006		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	215.839996		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00590000022		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00600000005		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00609999988		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00620000018		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5624		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8088		
CDD_MtrPosPolarity_Cnt_G_s08[0]	1		
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1		
CDD_Vecu_Volt_G_f32[0]	20.2800007		
CDD_Vecu_Volt_G_f32[1]	21.2600002		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	9658		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-1068.23291		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0148558002		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.00390625		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	12.3500004		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-1068.23291	-1068.23291 ± 0.009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	215.839996	215.839996 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0148558002	-0.0148558002 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00600000005	0.00600000005 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00390625	0.00390625 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00620000018	0.00620000018 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	9658	9658	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8088	8088	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	1	1	✔
CDD_Vecu_Volt_G_f32[0]	12.3500004	12.3500004 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	21.2600002	21.2600002 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.18 (Repeat Count = 1)	
Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	203.834
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00609999988
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00620000018
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00630000001
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00639999984
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5745
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8275
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	22.4699993

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Name	Input Value		
CDD_Vecu_Volt_G_f32[1]	23.2800007		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	3547		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-305.718506		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0122070313		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	13.1400003		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994	192.830994 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-305.718506	-305.718506 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00609999988	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00630000001	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5745	5745	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3547	3547	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	3	3	✔
CDD_Vecu_Volt_G_f32[0]	22.4699993	22.4699993 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	13.1400003	13.1400003 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.19 (Repeat Count = 1)	
Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	141.156998
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00630000001
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00639999984
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00650000013
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00659999996
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5628
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8097
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	7.17999983
CDD_Vecu_Volt_G_f32[1]	8.57999992
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	4
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	4785
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	117.319763
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0112304688
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	14.5600004
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16



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Name	Input Value		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	117.319763	117.319763 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005	151.380005 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0112304688	-0.0112304688 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00639999984	-0.00639999984 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00659999996	0.00659999996 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4785	4785	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8097	8097	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	4	4	✔
CDD_Vecu_Volt_G_f32[0]	14.5600004	14.5600004 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	8.57999992	8.57999992 ± 0.000009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.20 (Repeat Count = 1)				
Name		Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		-1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]		-1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]		100.264999		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]		110.487999		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]		0.00650000013		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]		0.00659999996		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]		0.00669999979		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]		0.00680000009		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]		2599		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]		3413		
CDD_MtrPosPolarity_Cnt_G_s08[0]		1		
CDD_MtrPosPolarity_Cnt_G_s08[1]		1		
CDD_Vecu_Volt_G_f32[0]		9.27999973		
CDD_Vecu_Volt_G_f32[1]		10.2799997		
Rte_Inst_Sa_CDDInterface		target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()		2		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value		1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value		5896		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value		-970.654724		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value		0.00390625		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value		0		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value		1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value		-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value		15.6300001		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt		target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16		target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f		target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f		target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08		target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32		target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result	
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-970.654724	-970.654724 ± 0.0009		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	110.487999	110.487999 ± 0.0009		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00390625	0.00390625 ± 0.0625		

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Name	Actual Value	Expected Value	Result
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00659999996	0.00659999996 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00680000009	0.00680000009 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5896	5896	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3413	3413	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	2	2	✓
CDD_Vecu_Volt_G_f32[0]	15.6300001	15.6300001 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	10.2799997	10.2799997 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.21 (Repeat Count = 1)

Name	Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-134.268005		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-123.785004		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00669999979		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00680000009		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00689999992		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00700000022		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2720		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3600		
CDD_MtrPosPolarity_Cnt_G_s08[0]	1		
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1		
CDD_Vecu_Volt_G_f32[0]	10.25		
CDD_Vecu_Volt_G_f32[1]	11.1499996		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	12578		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	125.360001		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0175576992		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	9.27999973		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-134.268005	-134.268005 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	125.360001	125.360001 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00669999979	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0219726563	-0.0219726563 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00689999992	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0175576992	0.0175576992 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2720	2720	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	12578	12578	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	0	0	✔
CDD_Vecu_Volt_G_f32[0]	10.25	10.25 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	9.27999973	9.27999973 ± 0.000009	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.22 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	147.304993
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	158.048004
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0068999992
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00700000022
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00710000005
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00719999988
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2841
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3787
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	12.25
CDD_Vecu_Volt_G_f32[1]	13.1800003
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	13854
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	128.520004
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0168558005
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	12.3500004
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	128.520004	128.520004 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	158.048004	158.048004 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00700000022	0.00700000022 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0168558005	-0.0168558005 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00719999988	-0.00719999988 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	13854	13854	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3787	3787	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	12.3500004	12.3500004 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	13.1800003	13.1800003 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.23 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-181.828003

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Name	Input Value
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-170.824997
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00710000005
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00719999988
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00730000017
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0074
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	190
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	192
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	14.2799997
CDD_Vecu_Volt_G_f32[1]	15.1800003
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	4
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	6857
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-186.350006
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	16.5799999
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-181.828003	-181.828003 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-186.350006	-186.350006 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00710000005	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00730000017	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	190	190	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6857	6857	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	4	4	✓
CDD_Vecu_Volt_G_f32[0]	14.2799997	14.2799997 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	16.5799999	16.5799999 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.24 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	194.345001
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	205.608002
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00730000017
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0074
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00749999983
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00760000013
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2962
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3974
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	16.8500004
CDD_Vecu_Volt_G_f32[1]	17.9599991
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3

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Name	Input Value
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	7485
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	458.359985
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0078125
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	17.25
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	458.359985	458.359985 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	205.608002	205.608002 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0078125	0.0078125 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0074	0.0074 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00760000013	-0.00760000013 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	7485	7485	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3974	3974	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	3	3	✓
CDD_Vecu_Volt_G_f32[0]	17.25	17.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	17.9599991	17.9599991 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.25 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	203.834
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00810000021
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00820000004
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00829999987
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00839999997
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2720
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3600
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	18.25
CDD_Vecu_Volt_G_f32[1]	19.5799999
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	11257
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	78.5199966
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	21.1700001
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32

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Name	Input Value		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	78.5199966	78.5199966 ± 0.00009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	203.834	203.834 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00820000004	-0.00820000004 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0122070313	0.0122070313 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0083999997	0.0083999997 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	11257	11257	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3600	3600	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	3	3	✔
CDD_Vecu_Volt_G_f32[0]	21.1700001	21.1700001 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	19.5799999	19.5799999 ± 0.00009	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.26 (Repeat Count = 1)

Name	Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	141.156998		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00829999987		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0083999997		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00850000046		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00860000029		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2841		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	3787		
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1		
CDD_MtrPosPolarity_Cnt_G_s08[1]	1		
CDD_Vecu_Volt_G_f32[0]	20.2800007		
CDD_Vecu_Volt_G_f32[1]	21.2600002		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	12578		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-178.5		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0161132813		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	22.6299992		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	141.156998	141.156998 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-178.5	-178.5 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00829999987	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0161132813	0.0161132813 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00850000046	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✔



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Name	Actual Value	Expected Value	Result
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	2841	2841	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	12578	12578	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	20.2800007	20.2800007 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	22.6299992	22.6299992 ± 0.00009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.27 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	203.834
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00910000037
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0092000002
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00930000003
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.00939999986
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	3889
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	5287
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	22.4699993
CDD_Vecu_Volt_G_f32[1]	23.2800007
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	28568
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-789.630005
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0078125
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	27.6200008
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994	192.830994 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-789.630005	-789.630005 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00910000037	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0078125	0.0078125 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.00930000003	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	3889	3889	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	28568	28568	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	0	0	✓
CDD_Vecu_Volt_G_f32[0]	22.4699993	22.4699993 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	27.6200008	27.6200008 ± 0.00009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

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## Test Step 1.28 (Repeat Count = 1) ✓

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	141.156998
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.00930000003
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00939999986
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0120999999
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0121999998
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	4530
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	5471
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	7.17999983
CDD_Vecu_Volt_G_f32[1]	8.57999992
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	34758
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	125.220001
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0122070313
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	28.6299992
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	125.220001	125.220001 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005	151.380005 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0122070313	-0.0122070313 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.00939999986	0.00939999986 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0121999998	-0.0121999998 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	34758	34758	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	5471	5471	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	28.6299992	28.6299992 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	8.57999992	8.57999992 ± 0.000009	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.29 (Repeat Count = 1) ✓

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-181.828003
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-170.824997
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0126999998
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0127999997
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0129000004
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0130000003
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	6229

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Name	Input Value
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	9023
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	9.27999973
CDD_Vecu_Volt_G_f32[1]	10.2799997
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	8685
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-365.25
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	5.25
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-181.828003	-181.828003 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-365.25	-365.25 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0126999998	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0219726563	-0.0219726563 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0129000004	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	6229	6229	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8685	8685	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	0	0	✓
CDD_Vecu_Volt_G_f32[0]	9.27999973	9.27999973 ± 0.000009	✓
CDD_Vecu_Volt_G_f32[1]	5.25	5.25 ± 0.000009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.30 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	194.345001
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	205.608002
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0129000004
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0130000003
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0131000001
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0131999999
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	6350
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	9210
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	10.25
CDD_Vecu_Volt_G_f32[1]	11.1499996
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	6857
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-854.25
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0078125
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1

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Name	Input Value		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	18.9599991		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	194.345001	194.345001 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-854.25	-854.25 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0129000004	0 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0131000001	0 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0078125	0.0078125 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	6350	6350	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	6857	6857	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	1	1	✔
CDD_Vecu_Volt_G_f32[0]	10.25	10.25 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	18.9599991	18.9599991 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.31 (Repeat Count = 1)				
Name		Input Value		
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		-1		
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]		1		
CDD_MRFMtrVel_MtrRadpS_G_f32[0]		120.710999		
CDD_MRFMtrVel_MtrRadpS_G_f32[1]		130.934006		
CDD_MtrCurr1TempOffset_Volt_G_f32[0]		-0.0131000001		
CDD_MtrCurr1TempOffset_Volt_G_f32[1]		-0.0131999999		
CDD_MtrCurr2TempOffset_Volt_G_f32[0]		0.0132999998		
CDD_MtrCurr2TempOffset_Volt_G_f32[1]		0.0133999996		
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]		214		
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]		312		
CDD_MtrPosPolarity_Cnt_G_s08[0]		-1		
CDD_MtrPosPolarity_Cnt_G_s08[1]		-1		
CDD_Vecu_Volt_G_f32[0]		12.25		
CDD_Vecu_Volt_G_f32[1]		13.1800003		
Rte_Inst_Sa_CDDInterface		target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()		2		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value		-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value		7485		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value		-256.350006		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value		-0.0258789063		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value		-0.0219726563		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value		-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value		-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value		14.5200005		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16		target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08		target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32		target_CDDInterface_Per2_Vecu_Volt_f32		
Name		Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16		0	0	
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]		-1	-1	

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Name	Actual Value	Expected Value	Result
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-256.350006	-256.350006 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	130.934006	130.934006 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0131999999	-0.0131999999 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0219726563	-0.0219726563 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0133999996	0.0133999996 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	7485	7485	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	312	312	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	2	2	✓
CDD_Vecu_Volt_G_f32[0]	14.5200005	14.5200005 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	13.1800003	13.1800003 ± 0.00009	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.32 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	144.751007
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	155.233994
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0132999998
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0133999996
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0135000004
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0136000002
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	222
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	368
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	14.2799997
CDD_Vecu_Volt_G_f32[1]	15.1800003
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	3
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	8685
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	247.279999
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0078125
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	19.6299992
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	144.751007	144.751007 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	247.279999	247.279999 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0132999998	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0078125	0.0078125 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0135000004	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	222	222	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	8685	8685	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	3	3	✓
CDD_Vecu_Volt_G_f32[0]	14.2799997	14.2799997 ± 0.00009	✓

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Name	Actual Value	Expected Value	Result
CDD_Vecu_Volt_G_f32[1]	19.6299992	19.6299992 ± 0.00009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.33 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-168.791
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-159.533997
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0135000004
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0136000002
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0137
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0137999998
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	230
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	424
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	16.8500004
CDD_Vecu_Volt_G_f32[1]	17.9599991
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	4
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	9658
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-965.25
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0219726563
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	16.25
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-965.25	-965.25 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-159.533997	-159.533997 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0219726563	-0.0219726563 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0136000002	-0.0136000002 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0137999998	0.0137999998 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	9658	9658	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	424	424	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	4	4	✓
CDD_Vecu_Volt_G_f32[0]	16.25	16.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	17.9599991	17.9599991 ± 0.00009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

## Test Step 1.34 (Repeat Count = 1)

Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0



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Name	Input Value
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	203.834
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0137
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0137999998
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0138999997
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.0140000004
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	3446
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	4722
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	18.25
CDD_Vecu_Volt_G_f32[1]	19.5799999
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	0
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	10255
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-452.359985
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0122070313
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	1
target_CDDInterface_Per2_Vecu_Volt_f32.value	5
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32

Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	192.830994	192.830994 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-452.359985	-452.359985 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0137	0 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	0.0122070313	0.0122070313 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0138999997	0 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.0258789063	0.0258789063 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	3446	3446	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	10255	10255	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_SysState_Cnt_G_Enum	0	0	✓
CDD_Vecu_Volt_G_f32[0]	18.25	18.25 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	5	5 ± 0.000009	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.35 (Repeat Count = 1)	
Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	141.156998
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0138999997
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0140000004
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.00810000021
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00820000004
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	3567
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	4909
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1
CDD_Vecu_Volt_G_f32[0]	20.2800007

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CDDInterface\_Per2

Name	Input Value		
CDD_Vecu_Volt_G_f32[1]	21.2600002		
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface		
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	2		
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	11257		
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	856.25		
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	-0.0258789063		
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	0.0122070313		
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	-1		
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1		
target_CDDInterface_Per2_Vecu_Volt_f32.value	31		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	1	1	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	856.25	856.25 ± 0.0009	✔
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	151.380005	151.380005 ± 0.0009	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✔
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.0140000004	-0.0140000004 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	0.0122070313	0.0122070313 ± 0.0625	✔
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	-0.00820000004	-0.00820000004 ± 0.0625	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	11257	11257	✔
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	4909	4909	✔
CDD_MtrPosPolarity_Cnt_G_s08[0]	-1	-1	✔
CDD_MtrPosPolarity_Cnt_G_s08[1]	-1	-1	✔
CDD_SysState_Cnt_G_Enum	2	2	✔
CDD_Vecu_Volt_G_f32[0]	31	31 ± 0.00009	✔
CDD_Vecu_Volt_G_f32[1]	21.2600002	21.2600002 ± 0.00009	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	Rte_Mode_Sa_CDDInterface_SystemState_Mode	1	✓

Test Step 1.36 (Repeat Count = 1)	
Name	Input Value
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-176.199997
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-165.716995
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	-0.00810000021
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00820000004
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	9.99999975e-005
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.000199999995
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	3688
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	5096
CDD_MtrPosPolarity_Cnt_G_s08[0]	1
CDD_MtrPosPolarity_Cnt_G_s08[1]	1
CDD_Vecu_Volt_G_f32[0]	22.4699993
CDD_Vecu_Volt_G_f32[1]	23.2800007
Rte_Inst_Sa_CDDInterface	target_Rte_Inst_Sa_CDDInterface
Rte_Mode_Sa_CDDInterface_SystemState_Mode()	1
target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_CommOffset_Cnt_u16.value	5896
target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32.value	-148.619995
target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32.value	0.0258789063
target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32.value	-0.0258789063
target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08.value	1
target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16.value	-1
target_CDDInterface_Per2_Vecu_Volt_f32.value	17.2800007
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_AssistAssemblyPolarity_Cnt	target_CDDInterface_Per2_AssistAssemblyPolarity_Cnt_s08
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_CommOffset_Cnt_u16	target_CDDInterface_Per2_CommOffset_Cnt_u16

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CDDInterface\_Per2

Name	Input Value		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32	target_CDDInterface_Per2_MRFMtrVel_MtrRadpS_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr1TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32	target_CDDInterface_Per2_MtrCurr2TempOffset_Volt_f32		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrPosPolarity_Cnt_s08	target_CDDInterface_Per2_MtrPosPolarity_Cnt_s08		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16	target_CDDInterface_Per2_MtrTrqCmdSign_Cnt_s16		
target_Rte_Inst_Sa_CDDInterface.CDDInterface_Per2_Vecu_Volt_f32	target_CDDInterface_Per2_Vecu_Volt_f32		
Name	Actual Value	Expected Value	Result
CDD_AppDataFwdPthAccessBfr_Cnt_G_u16	0	0	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[0]	1	1	✓
CDD_AssistAssemblyPolarity_Cnt_G_s08[1]	-1	-1	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[0]	-148.619995	-148.619995 ± 0.0009	✓
CDD_MRFMtrVel_MtrRadpS_G_f32[1]	-165.716995	-165.716995 ± 0.0009	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[0]	0.0258789063	0.0258789063 ± 0.0625	✓
CDD_MtrCurr1TempOffset_Volt_G_f32[1]	-0.00820000004	-0.00820000004 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[0]	-0.0258789063	-0.0258789063 ± 0.0625	✓
CDD_MtrCurr2TempOffset_Volt_G_f32[1]	0.000199999995	0.000199999995 ± 0.0625	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[0]	5896	5896	✓
CDD_MtrCurrOffComOffset_Cnt_G_u16[1]	5096	5096	✓
CDD_MtrPosPolarity_Cnt_G_s08[0]	1	1	✓
CDD_MtrPosPolarity_Cnt_G_s08[1]	1	1	✓
CDD_SysState_Cnt_G_Enum	1	1	✓
CDD_Vecu_Volt_G_f32[0]	17.2800007	17.2800007 ± 0.00009	✓
CDD_Vecu_Volt_G_f32[1]	23.2800007	23.2800007 ± 0.00009	✓