EFuse_Mon

[COMP]

I [EFuse_Mon]

1 Function Definition

1.1 Purpose

EFuse Function develope introduction

1.2 Introduction

GAC ZCU Project Trunk Area EFuse Function:EFuse_Mon

2 Function Description

2.1 Behavior in normal mode

Figure 1 EFuse_Mon [EFuse_Mon]

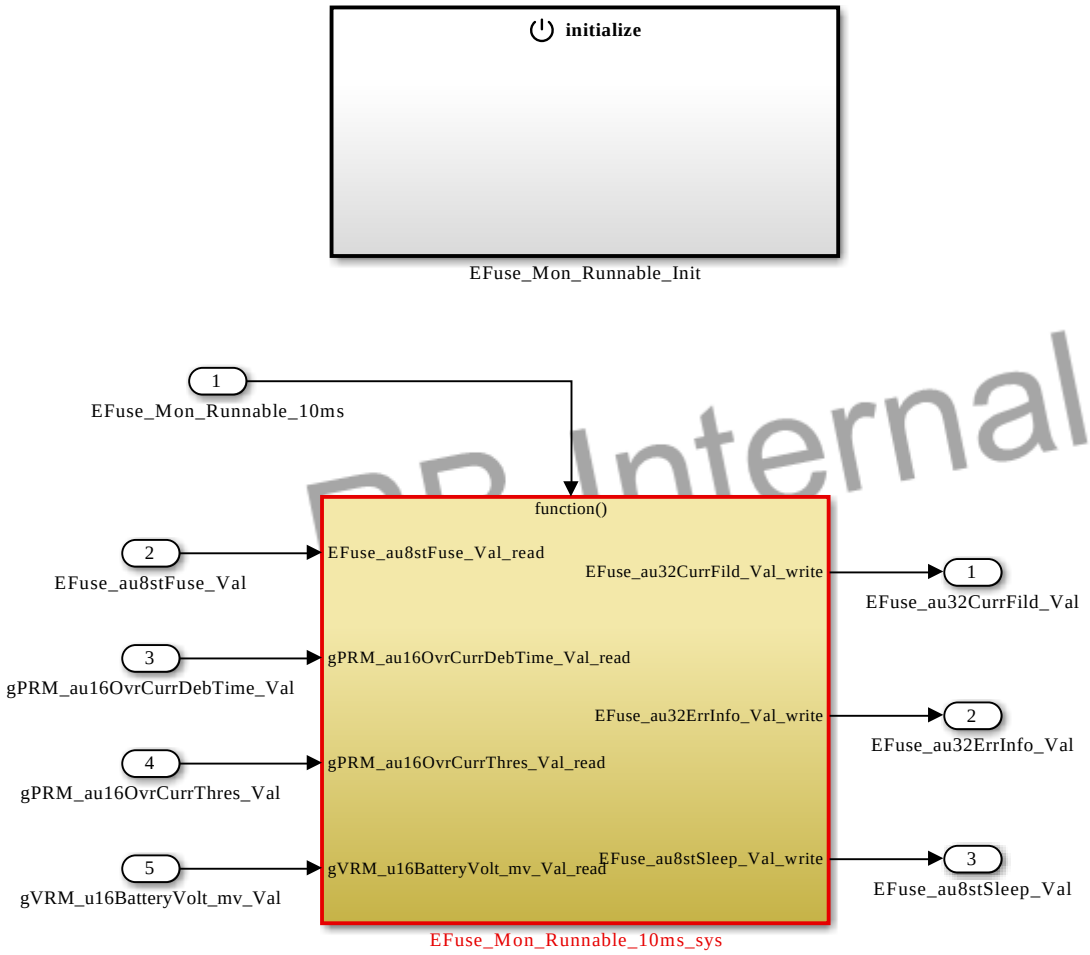

Figure 2 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys]

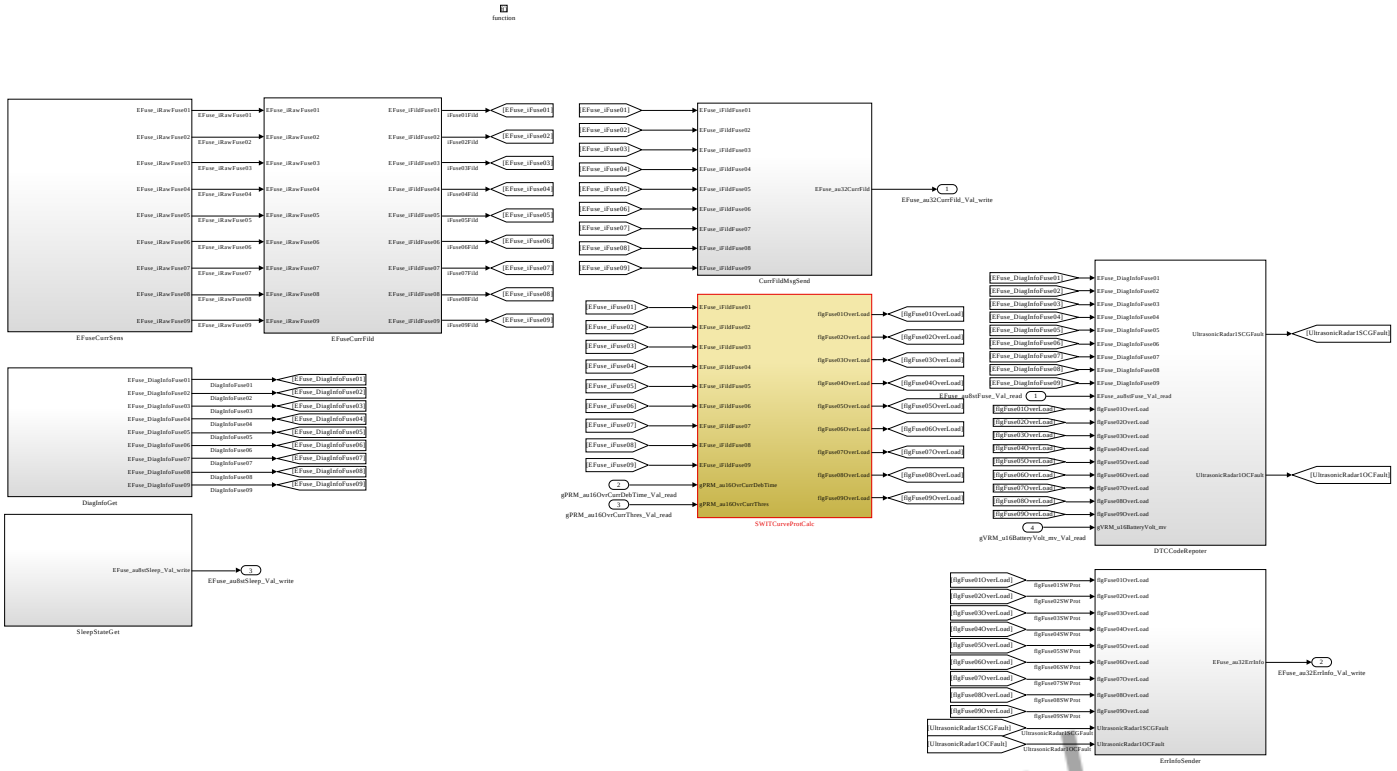

Figure 3 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_CurrFildMsgSend [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_CurrFildMsgSend]

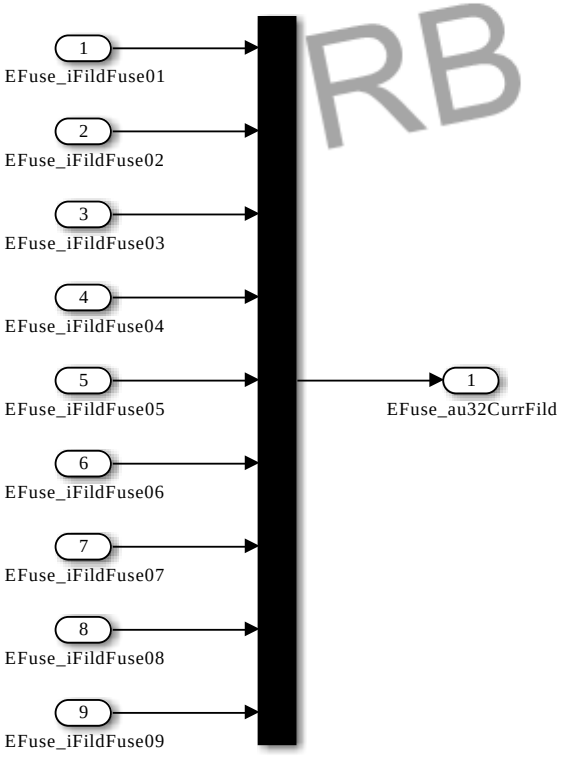

Figure 4 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter]

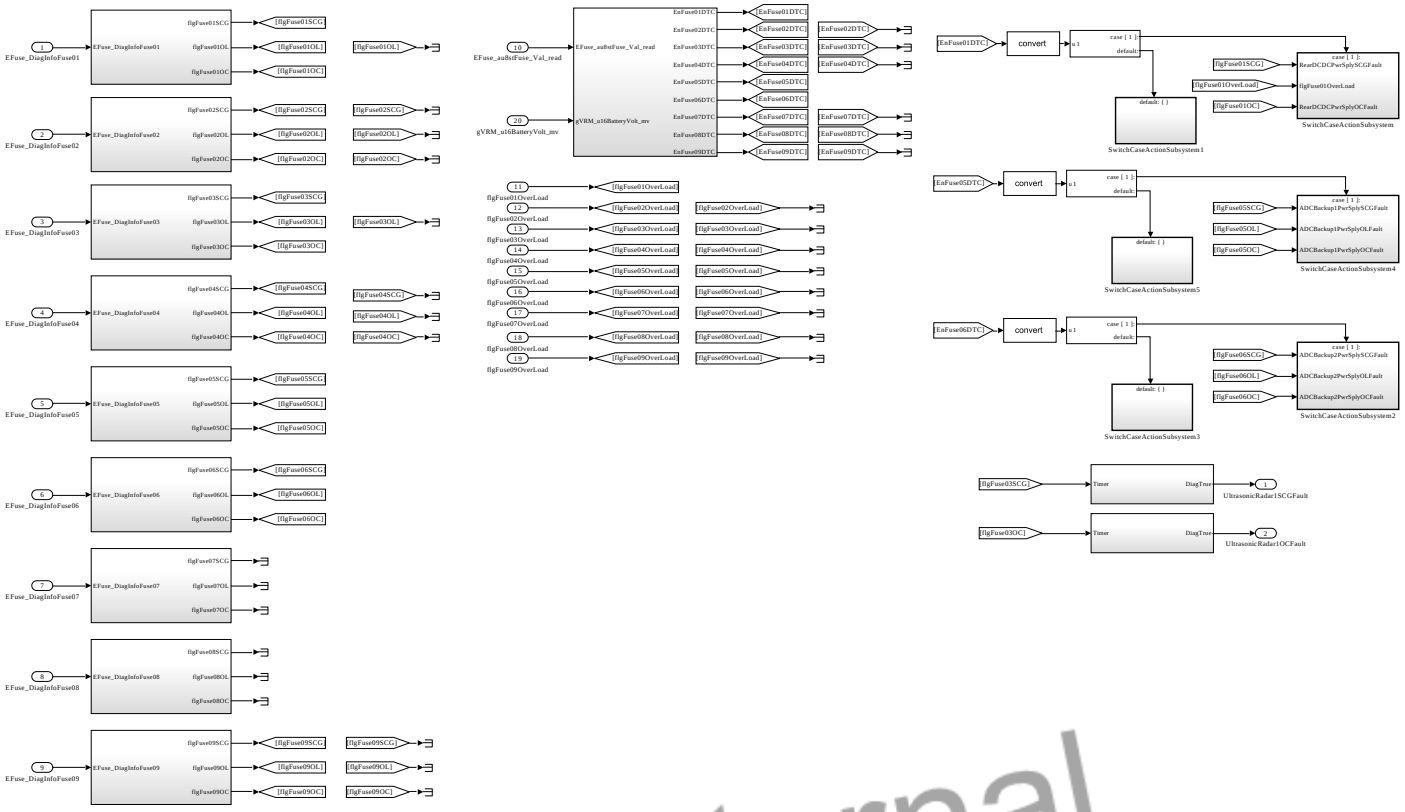

Figure 5 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem]

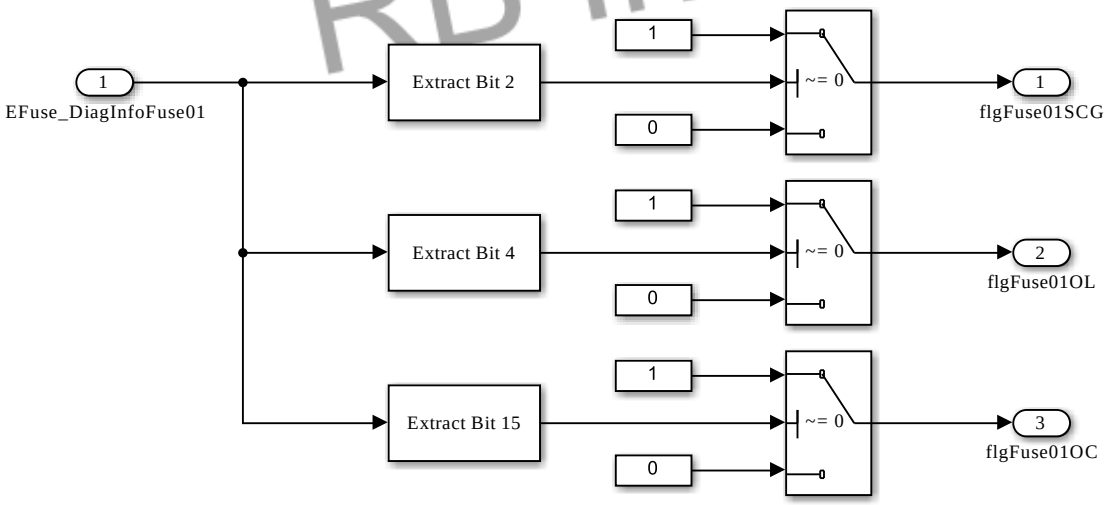

Figure 6 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem1 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem1]

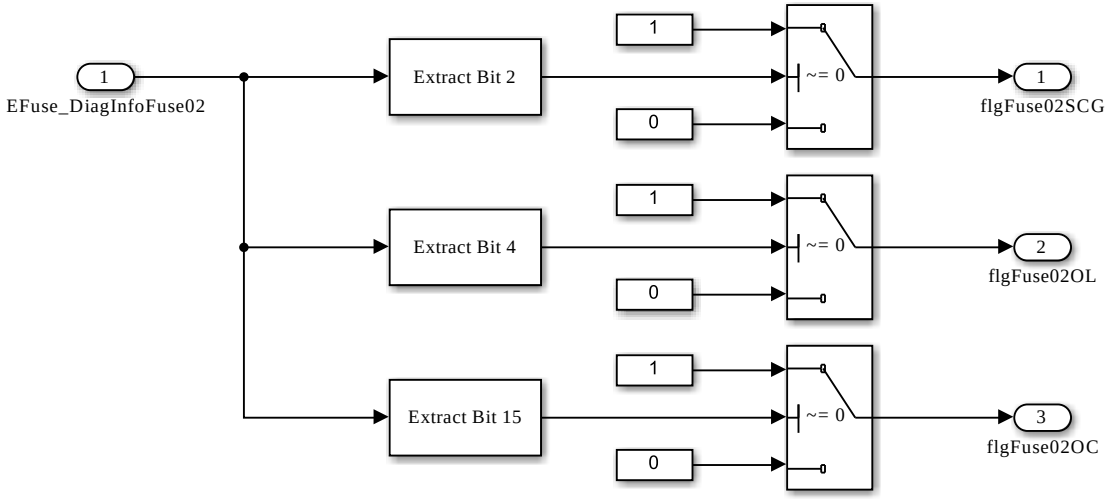

Figure 7 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem10 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem10]

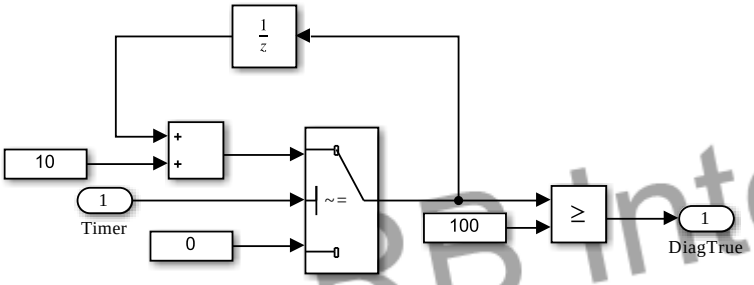

Figure 8 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem12 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem12]

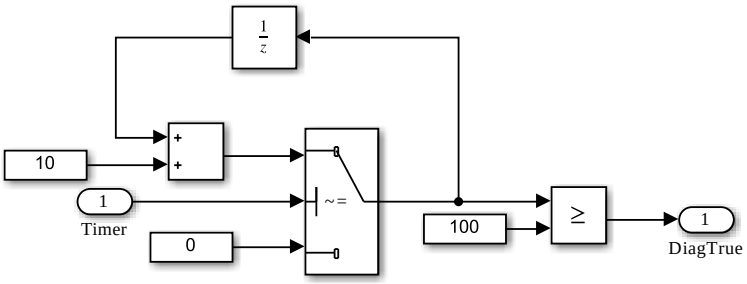

Figure 9 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem2 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem2]

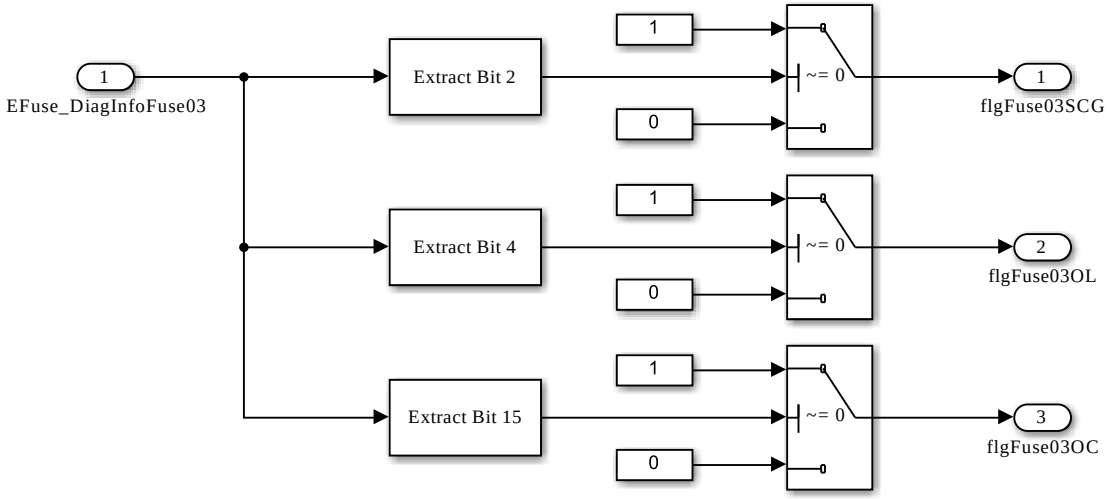

Figure 10 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem3 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem3]

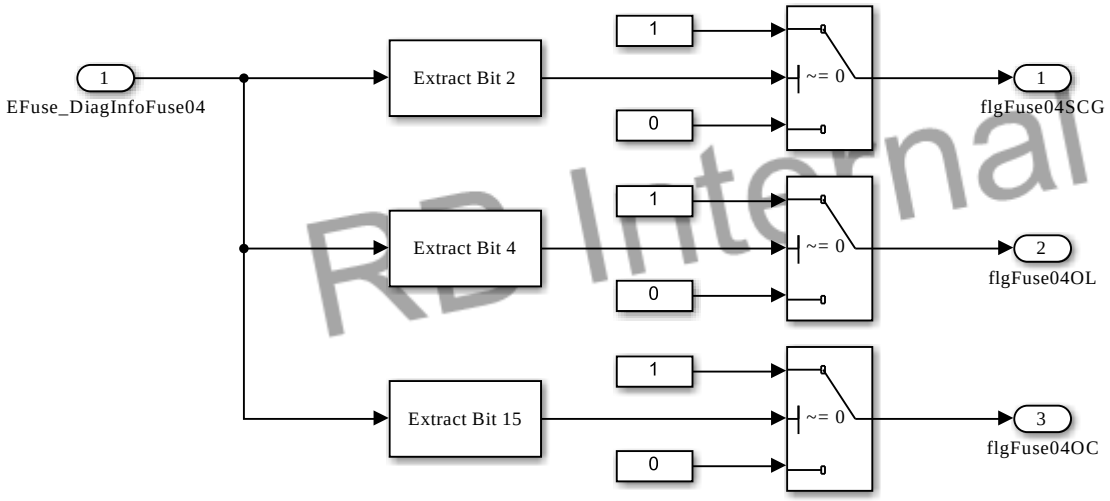

Figure 11 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem4 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem4]

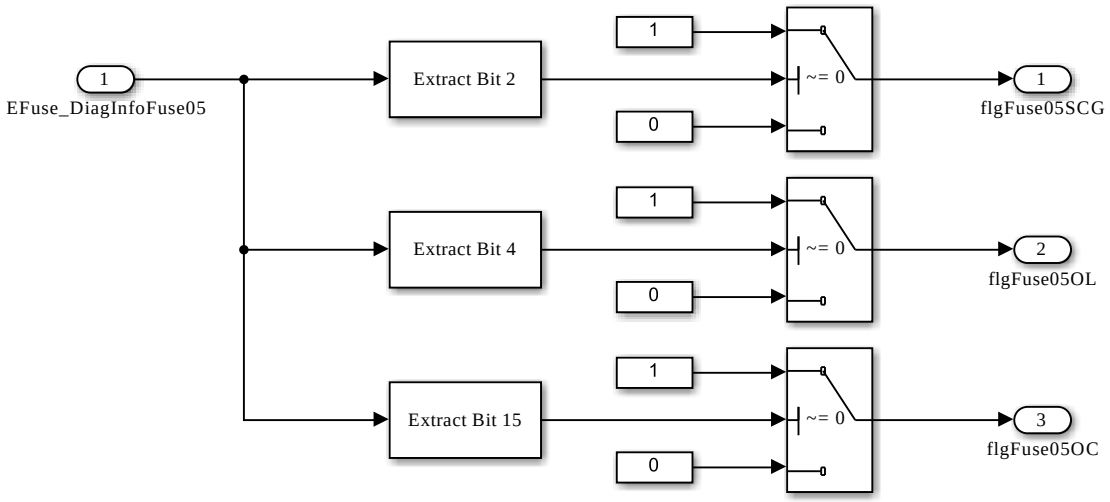

Figure 12 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem5 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem5]

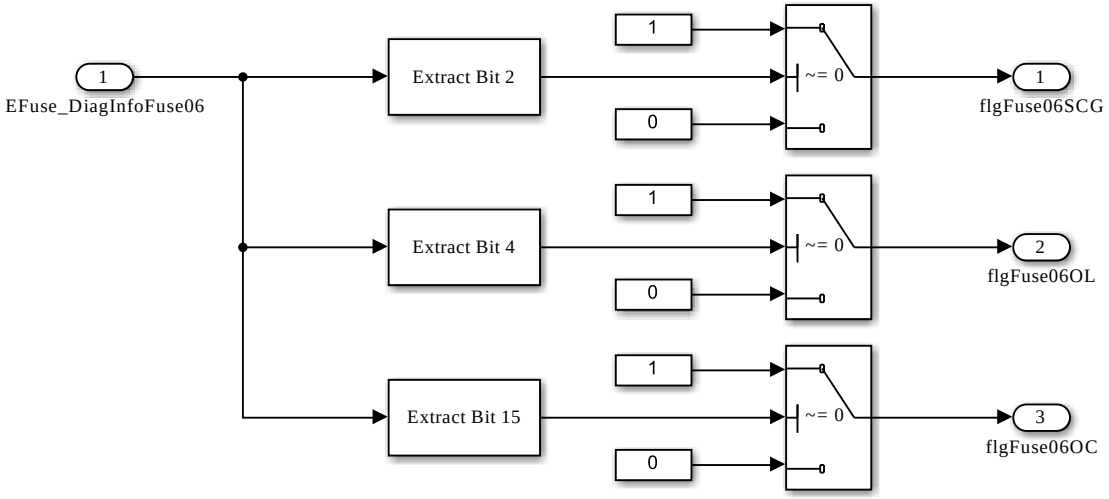

Figure 13 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem6 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem6]

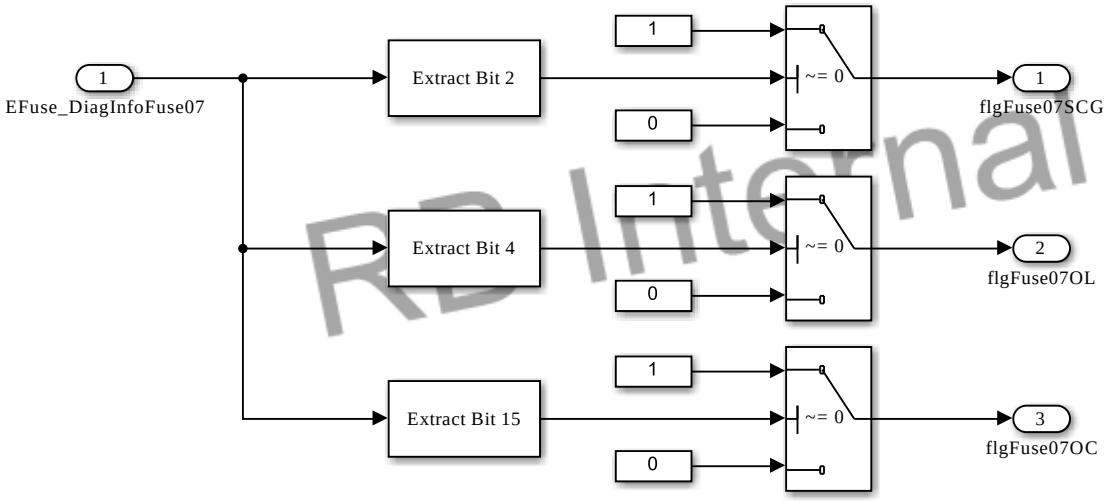

Figure 14 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem7 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem7]

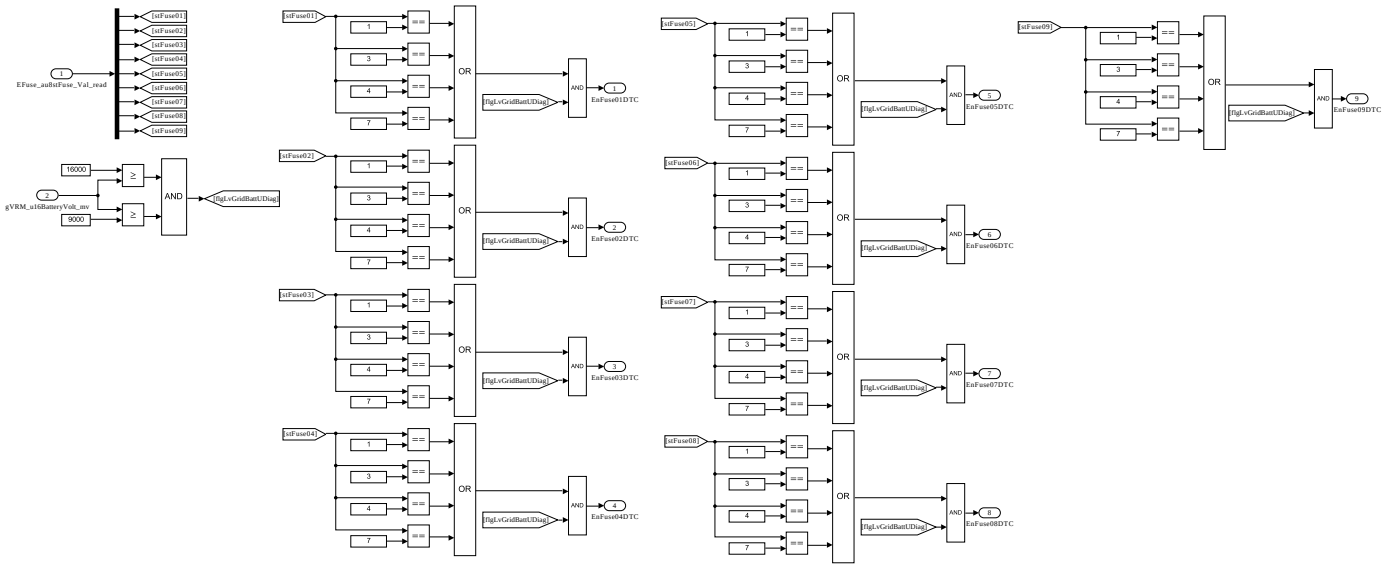

Figure 15 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem8 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem8]

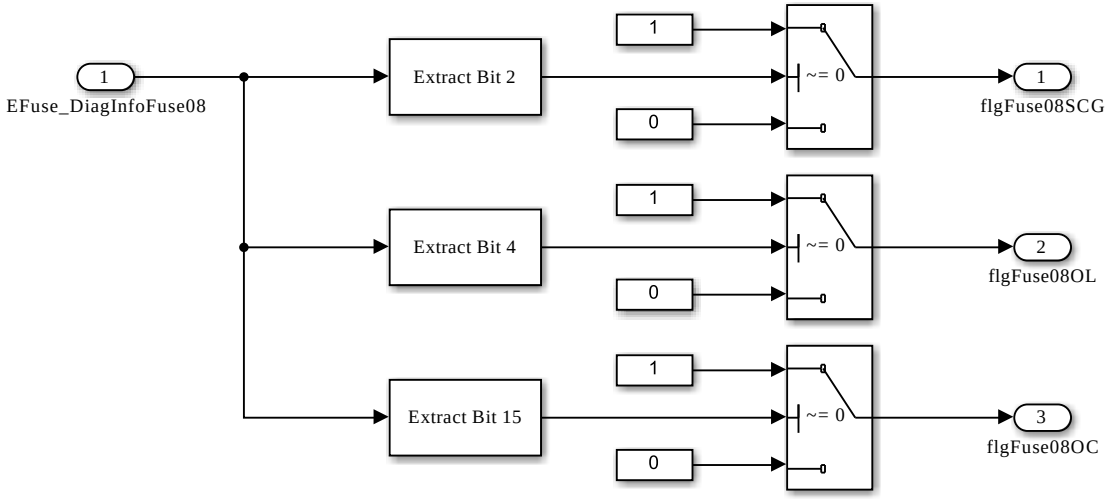

Figure 16 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem9 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_Subsystem9]

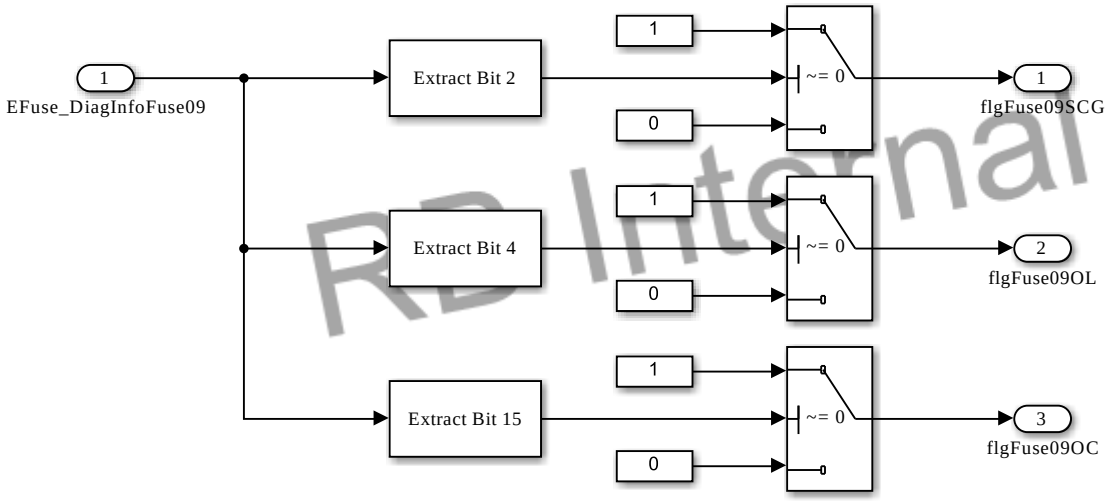

Figure 17 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem]

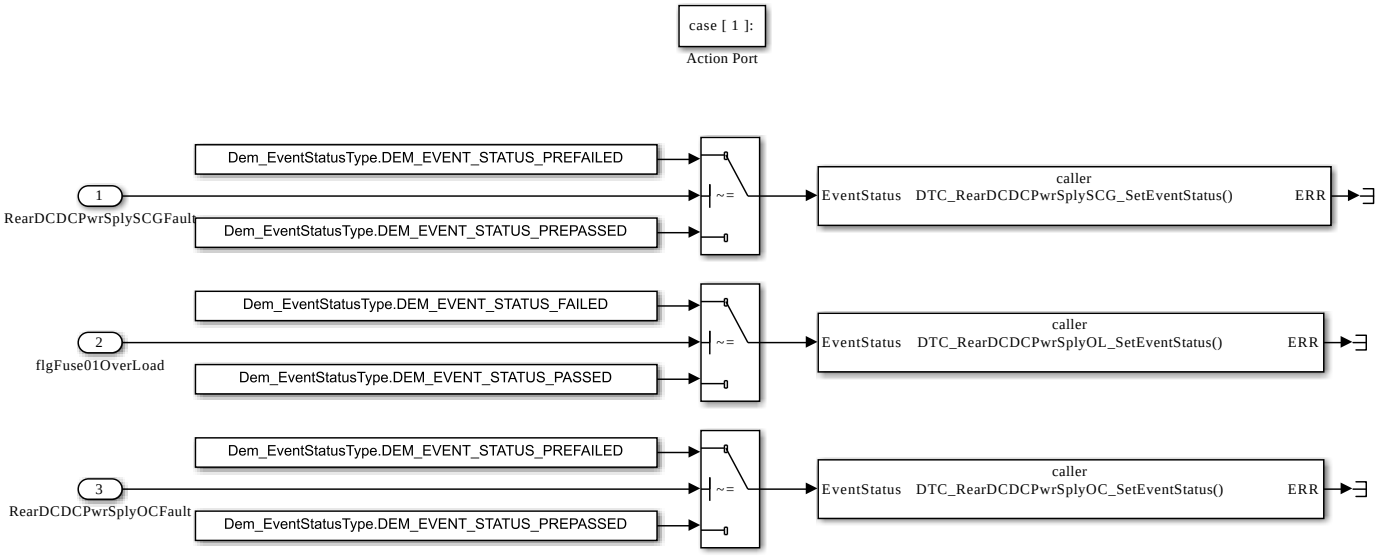

Figure 18 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem1 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem1]

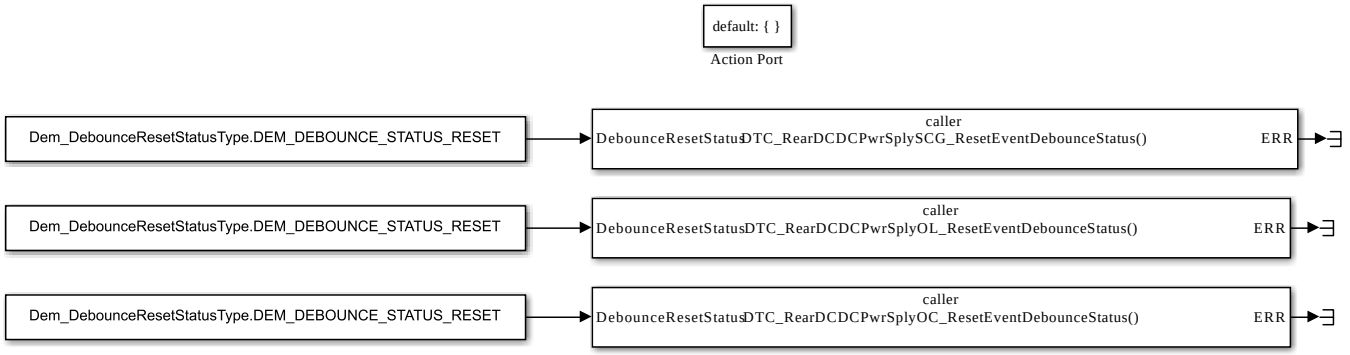

Figure 19 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem2 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem2]

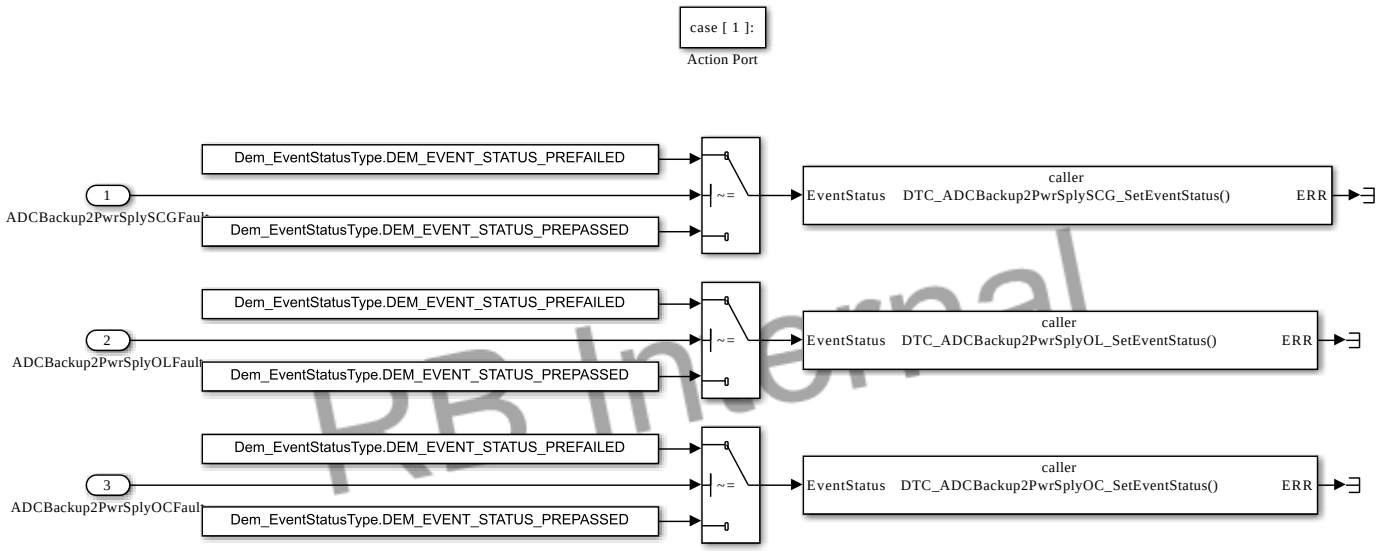

Figure 20 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem3 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem3]

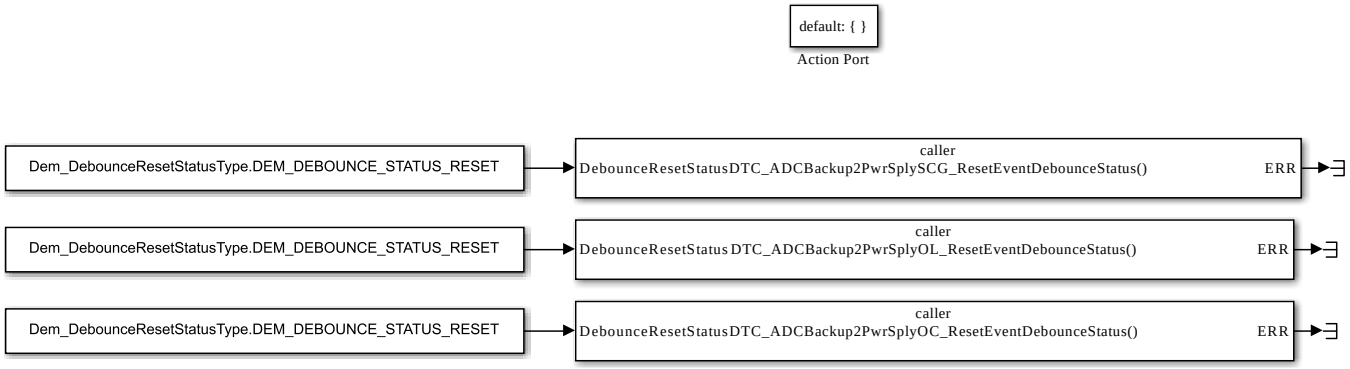

Figure 21 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem4 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem4]

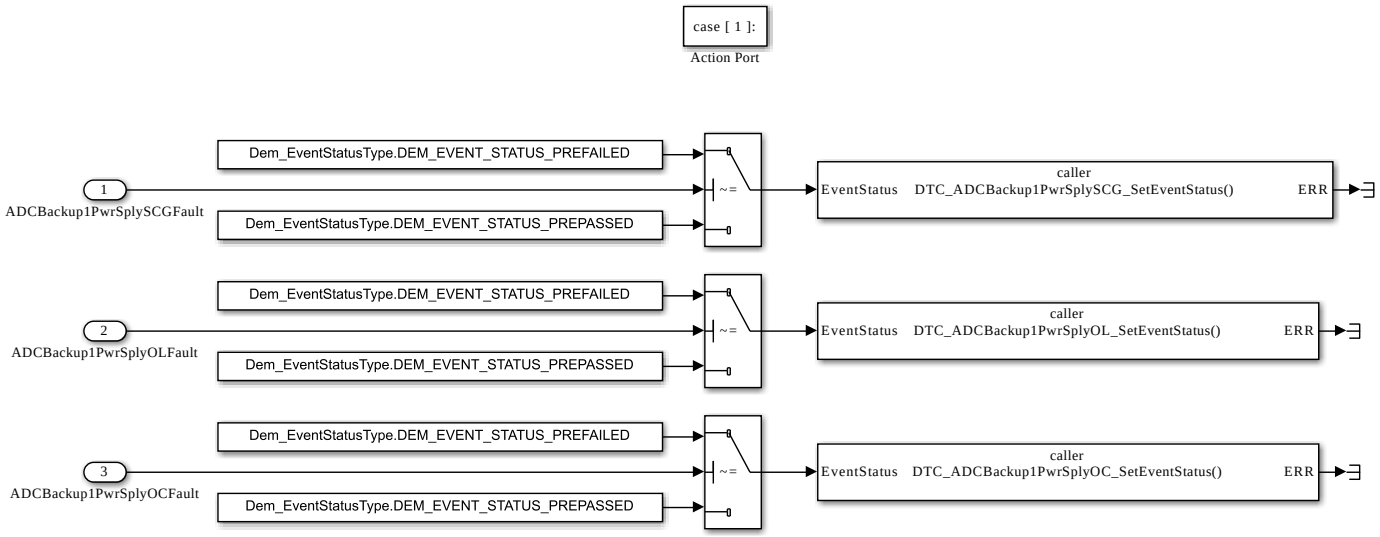

Figure 22 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem5 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DTCCodeRepoter_SwitchCaseActionSubsystem5]

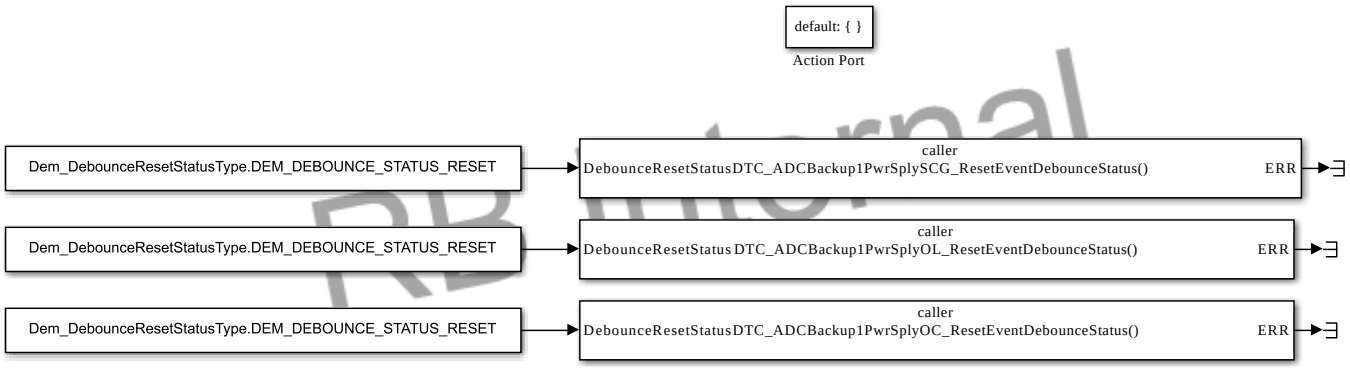

Figure 23 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DiagInfoGet [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_DiagInfoGet]

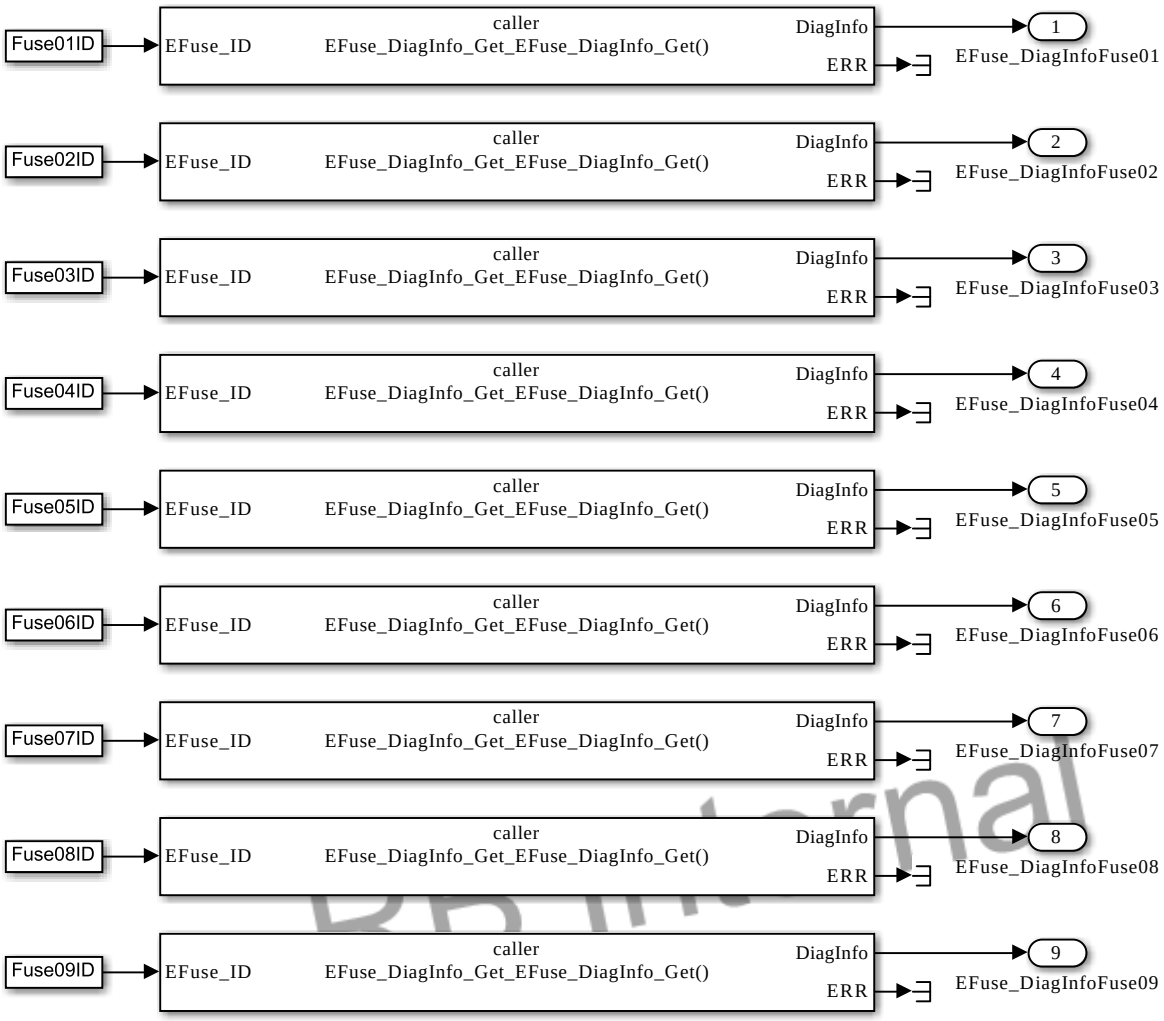

Figure 24 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_EFuseCurrFild [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_EFuseCurrFild]

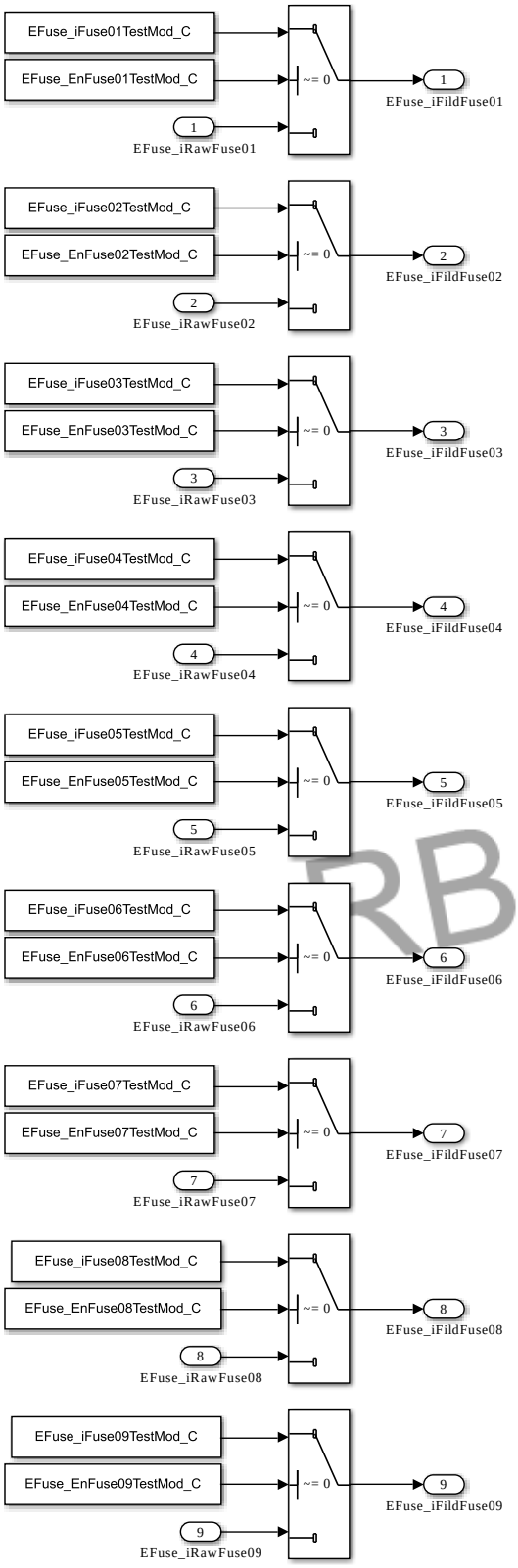

Figure 25 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_EFuseCurrSens [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_EFuseCurrSens]

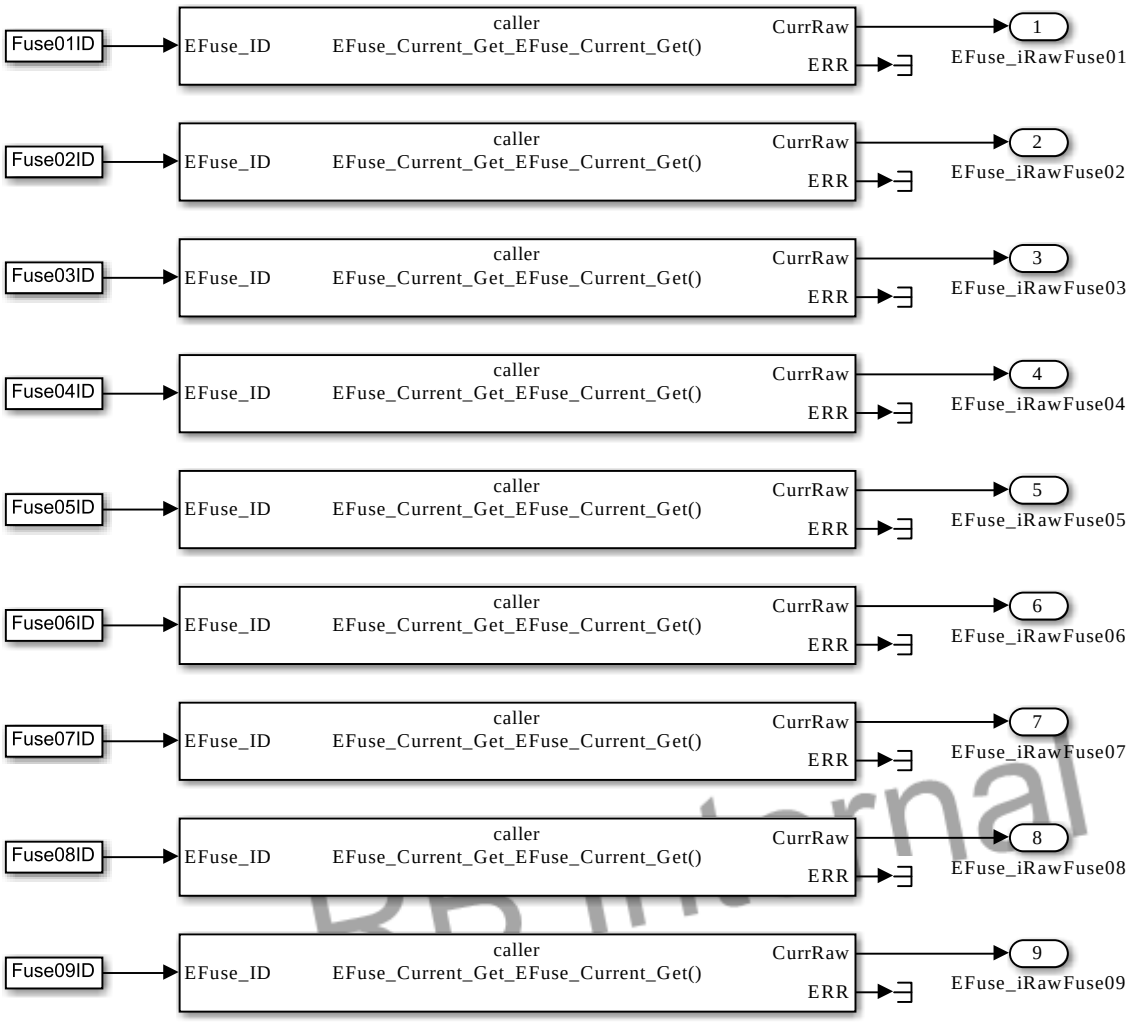

Figure 26 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender]

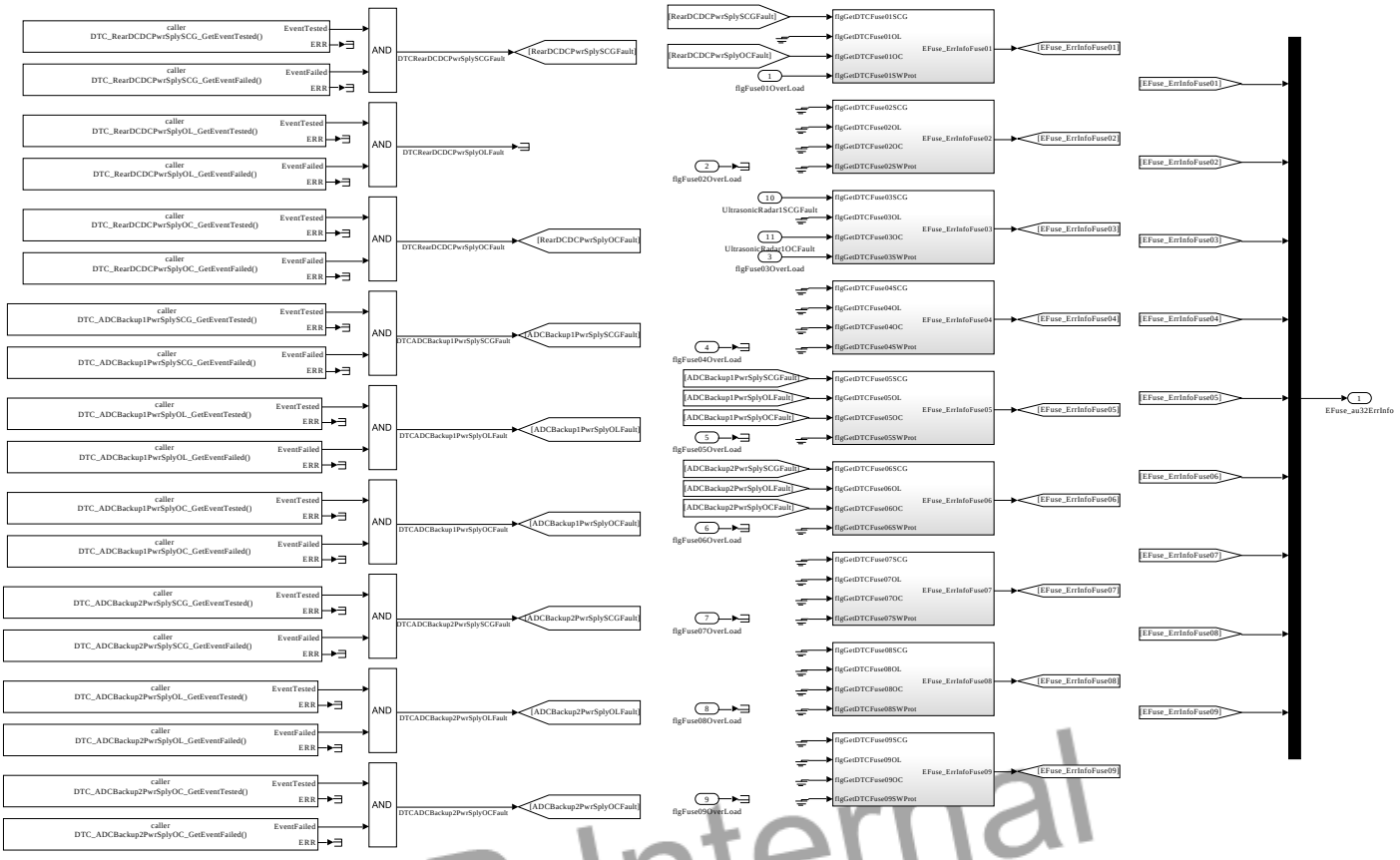

Figure 27 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem]

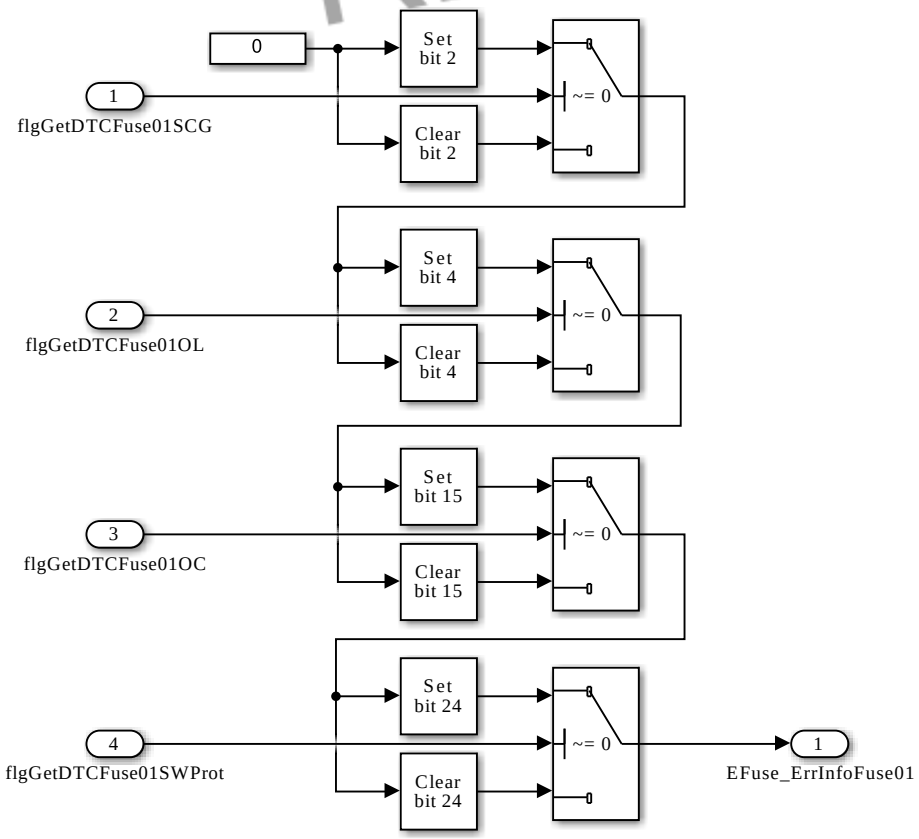

Figure 28 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem1 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem1]

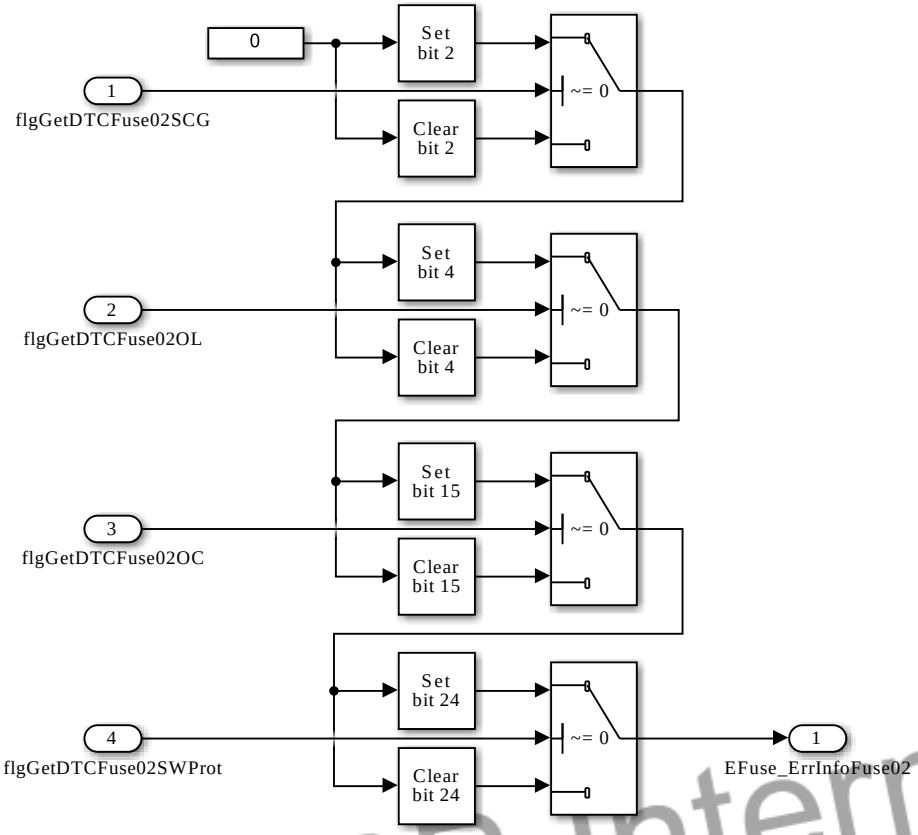

Figure 29 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem2 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem2]

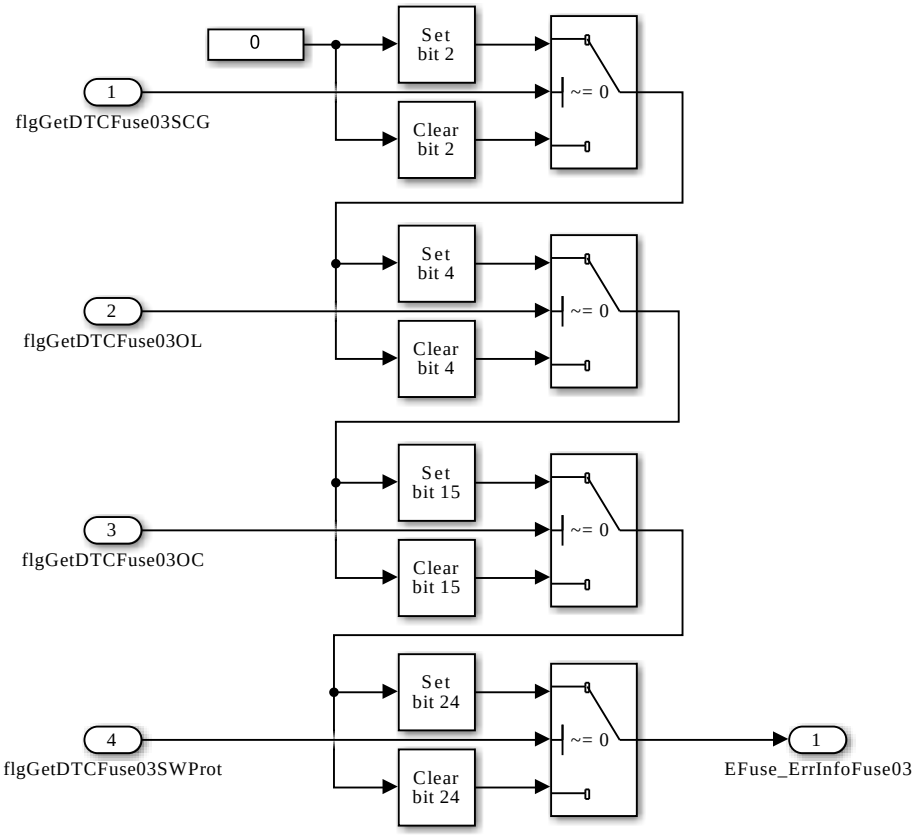

Figure 30 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem3 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem3]

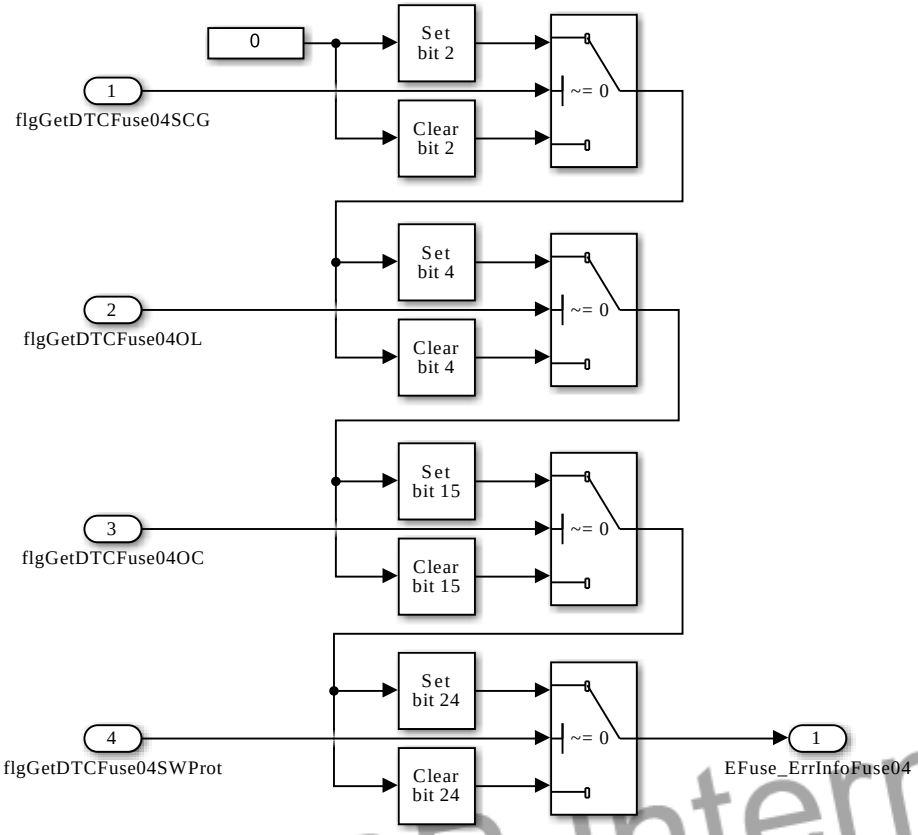

Figure 31 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem4 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem4]

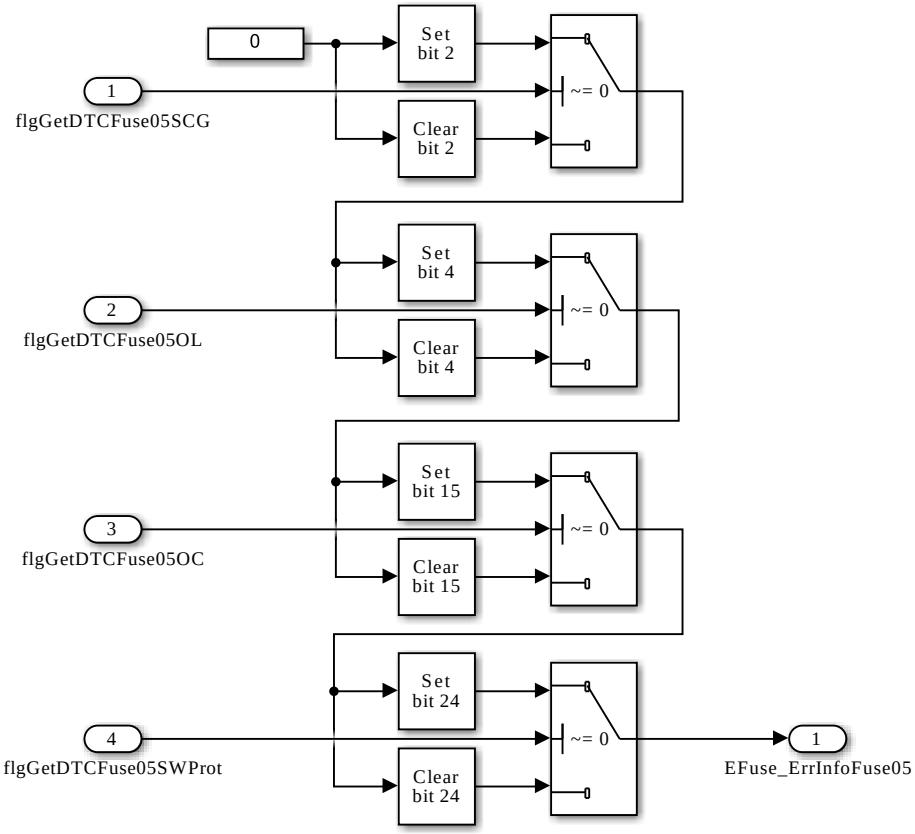

Figure 32 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem5 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem5]

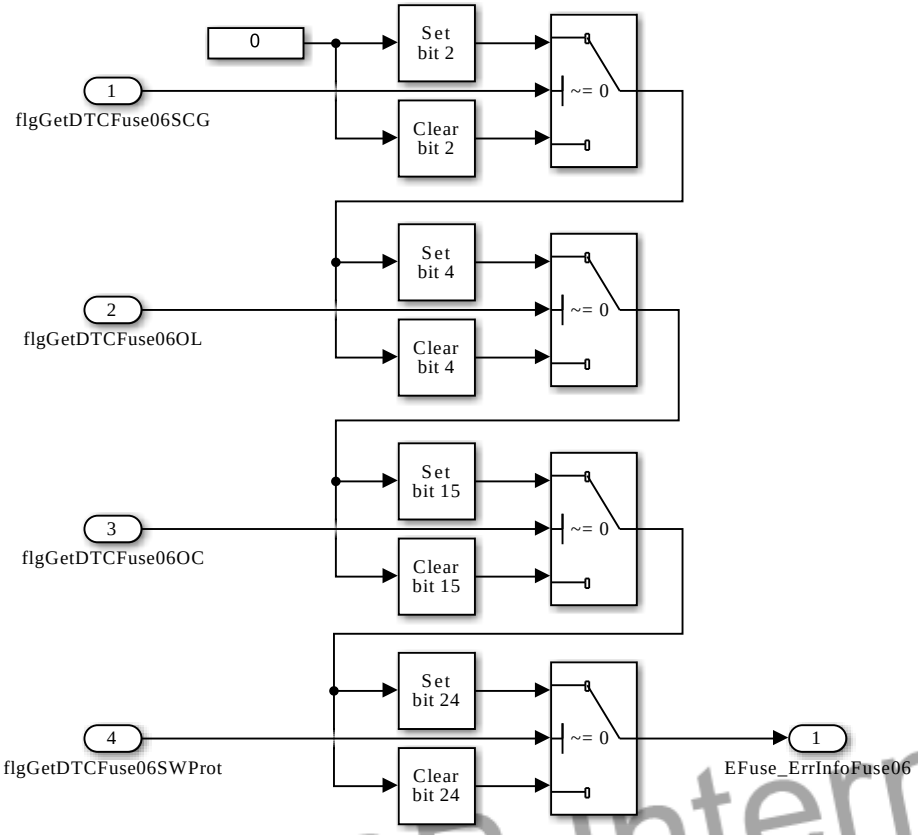

Figure 33 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem6 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem6]

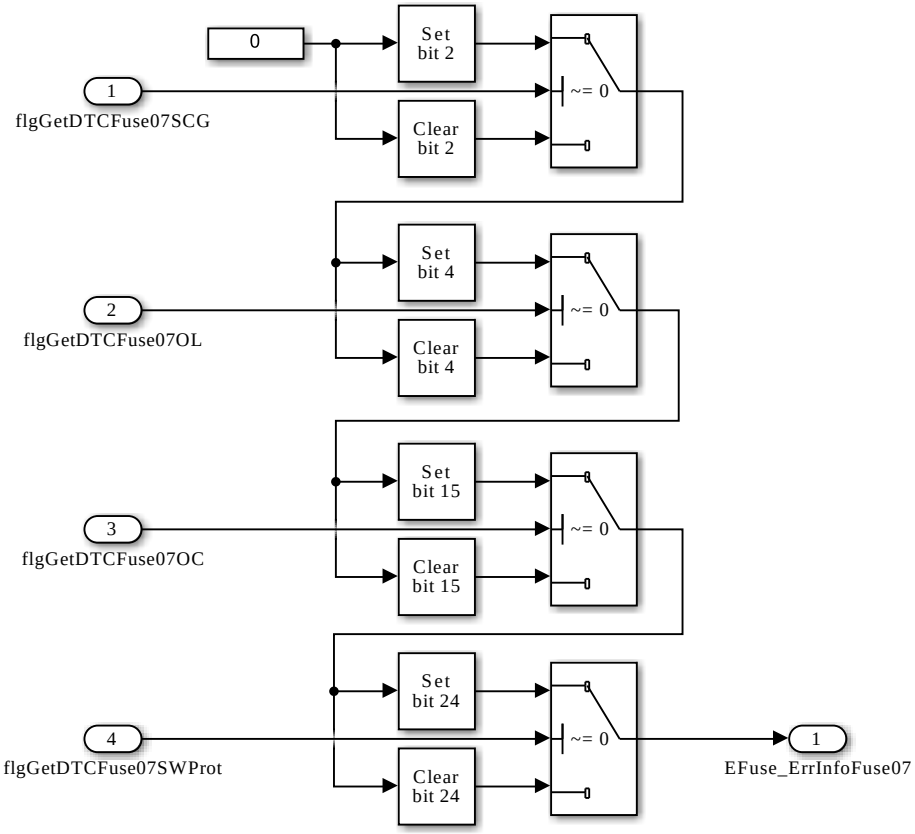

Figure 34 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem7 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem7]

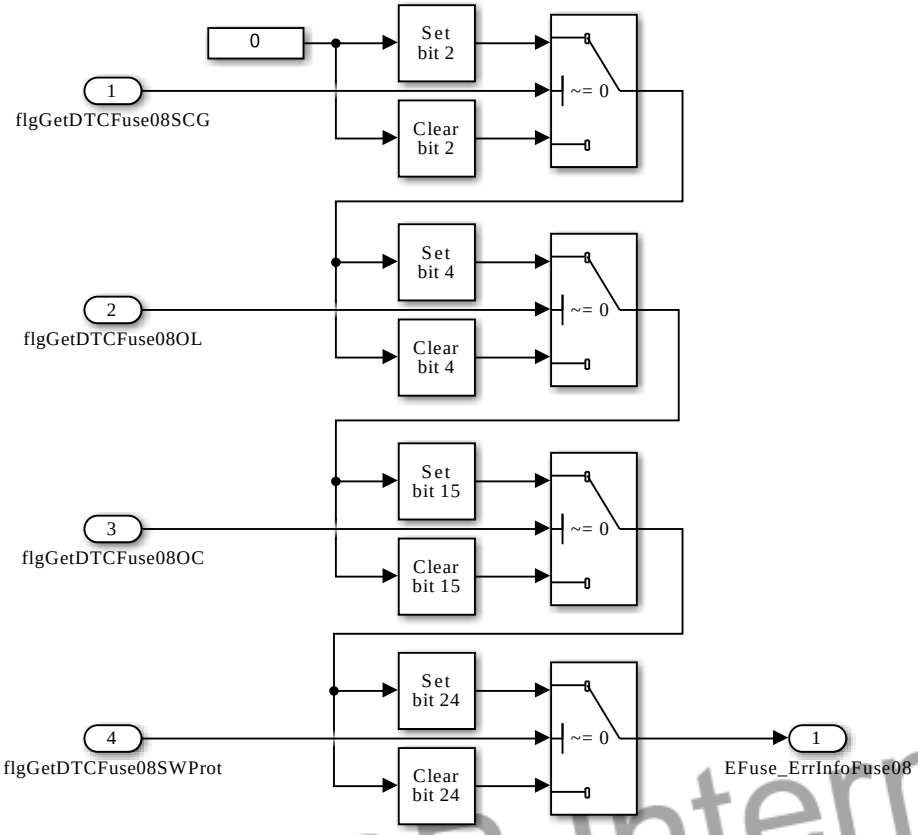

Figure 35 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem8 [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_ErrInfoSender_Subsystem8]

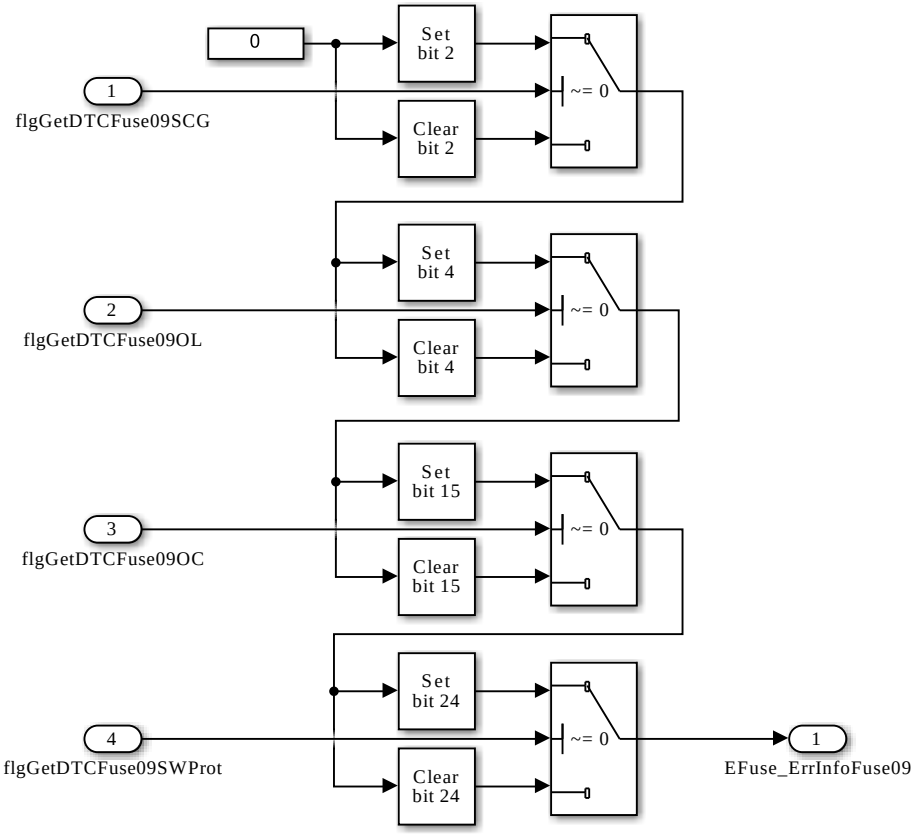

Figure 36 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc]

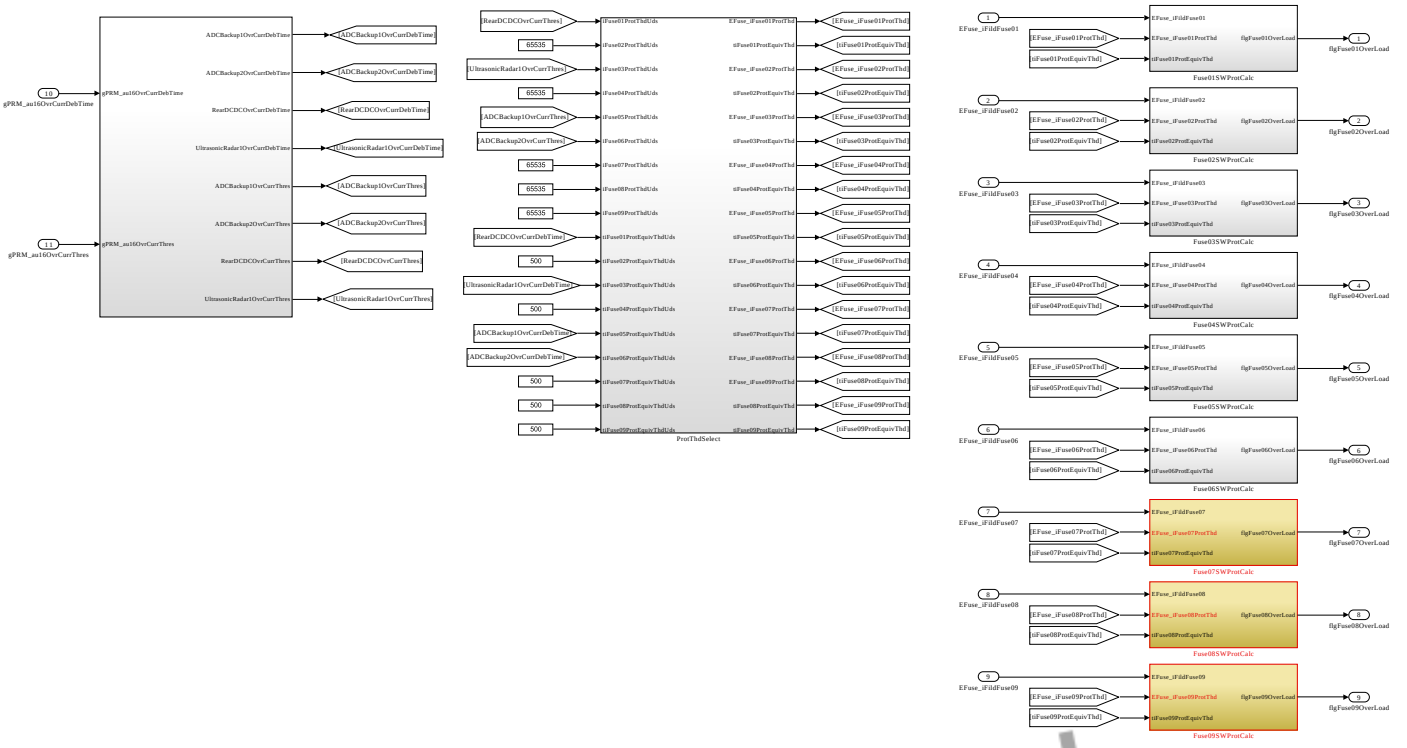

Figure 37 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse01SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse01SWProtCalc]

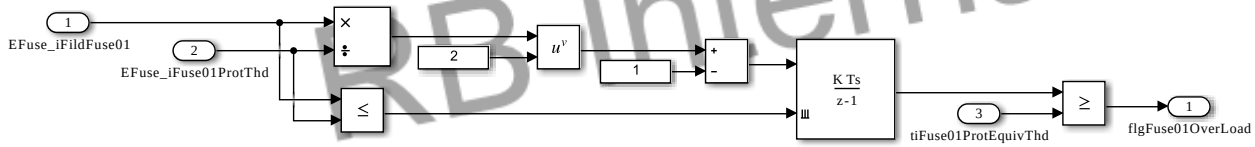

Figure 38 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse02SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse02SWProtCalc]

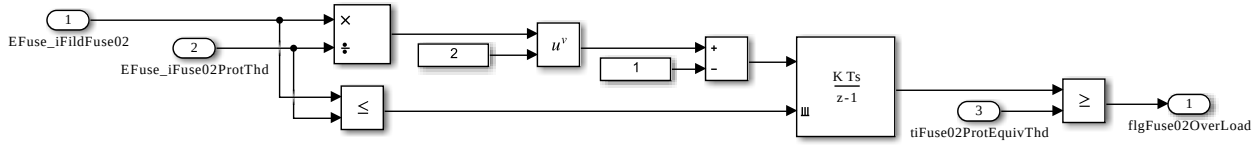

Figure 39 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse03SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse03SWProtCalc]

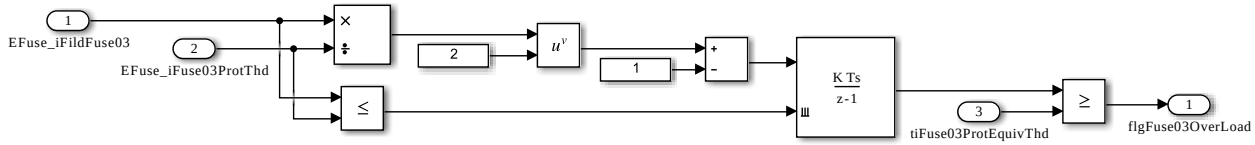

Figure 40 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse04SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse04SWProtCalc]

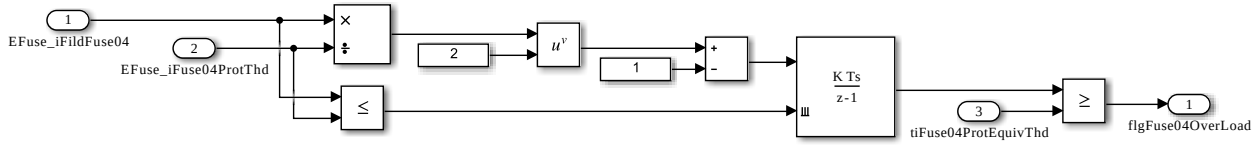

Figure 41 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse05SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse05SWProtCalc]

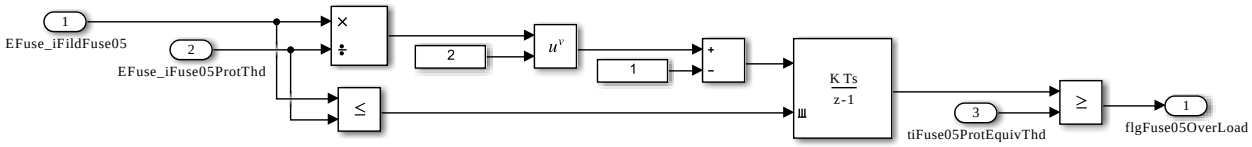

Figure 42 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse06SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse06SWProtCalc]

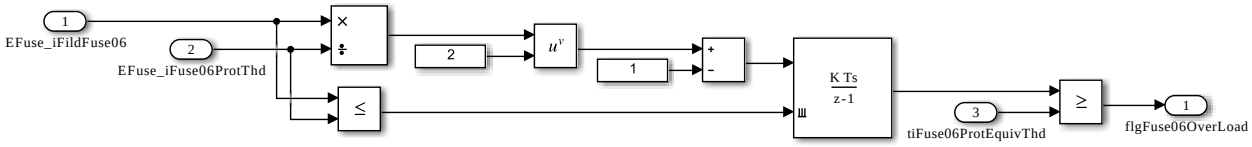

Figure 43 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse07SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse07SWProtCalc]

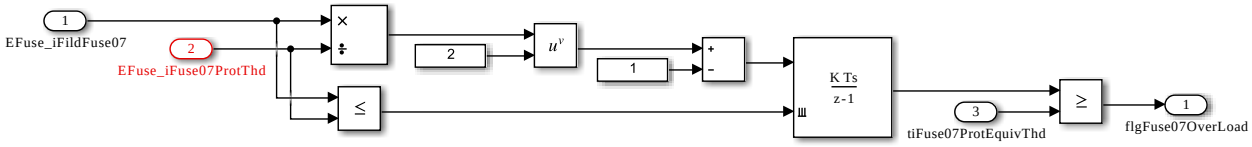

Figure 44 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse08SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse08SWProtCalc]

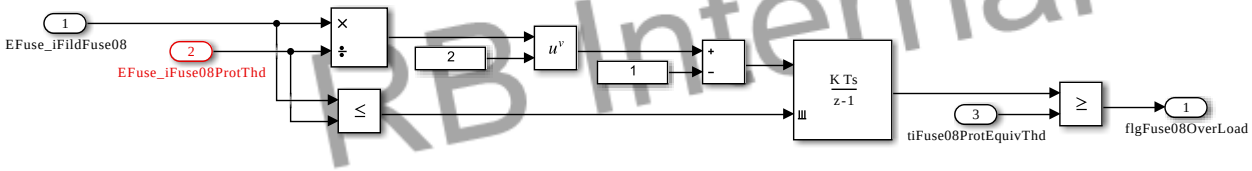

Figure 45 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse09SWProtCalc [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Fuse09SWProtCalc]

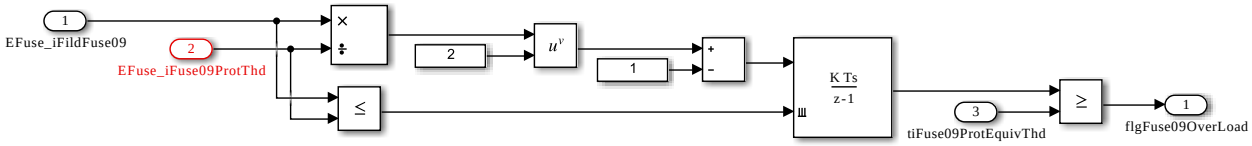

Figure 46 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_ProtThdSelect [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurve-ProtCalc_ProtThdSelect]

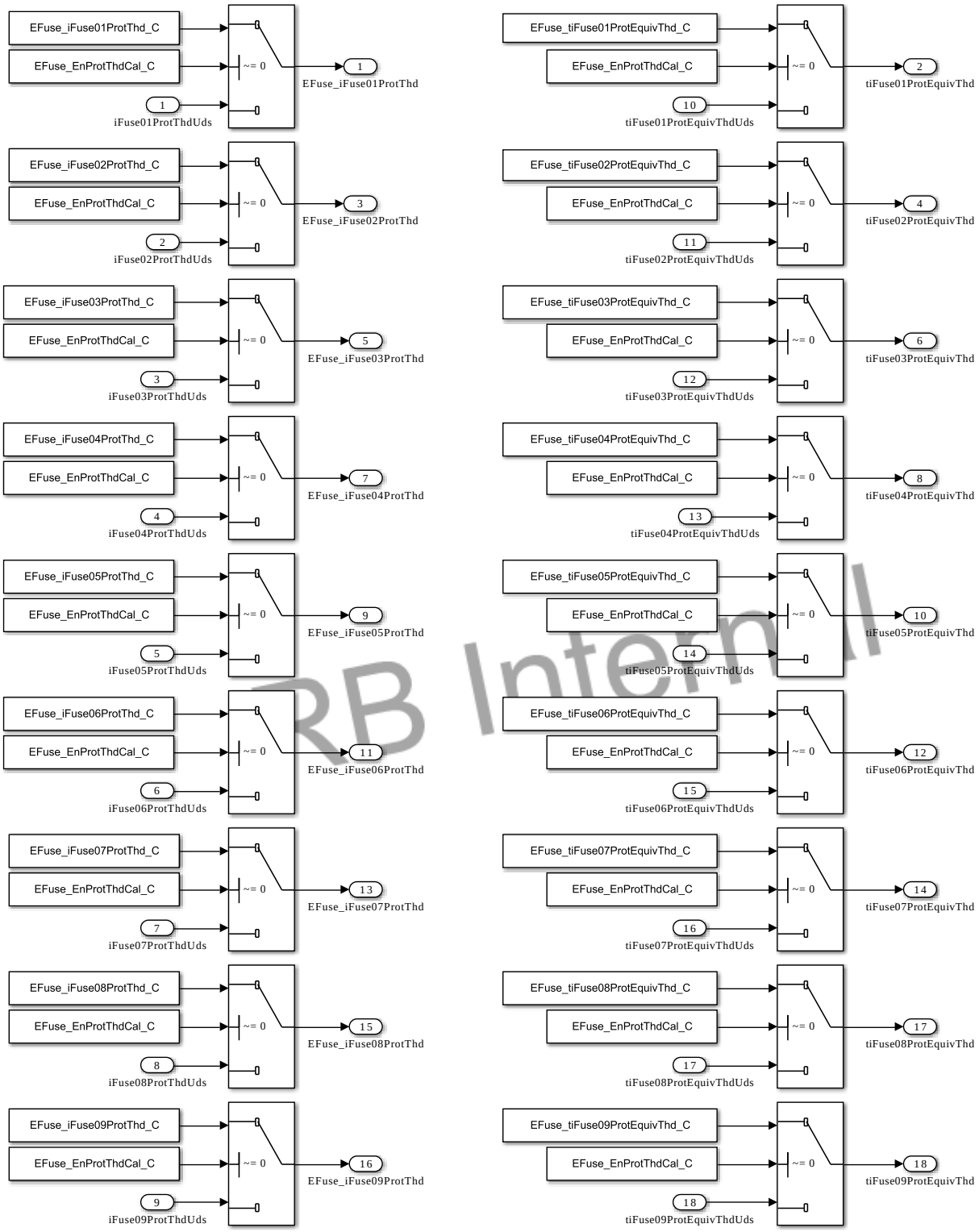

Figure 47 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Subsystem [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SWITCurveProtCalc_Subsystem]

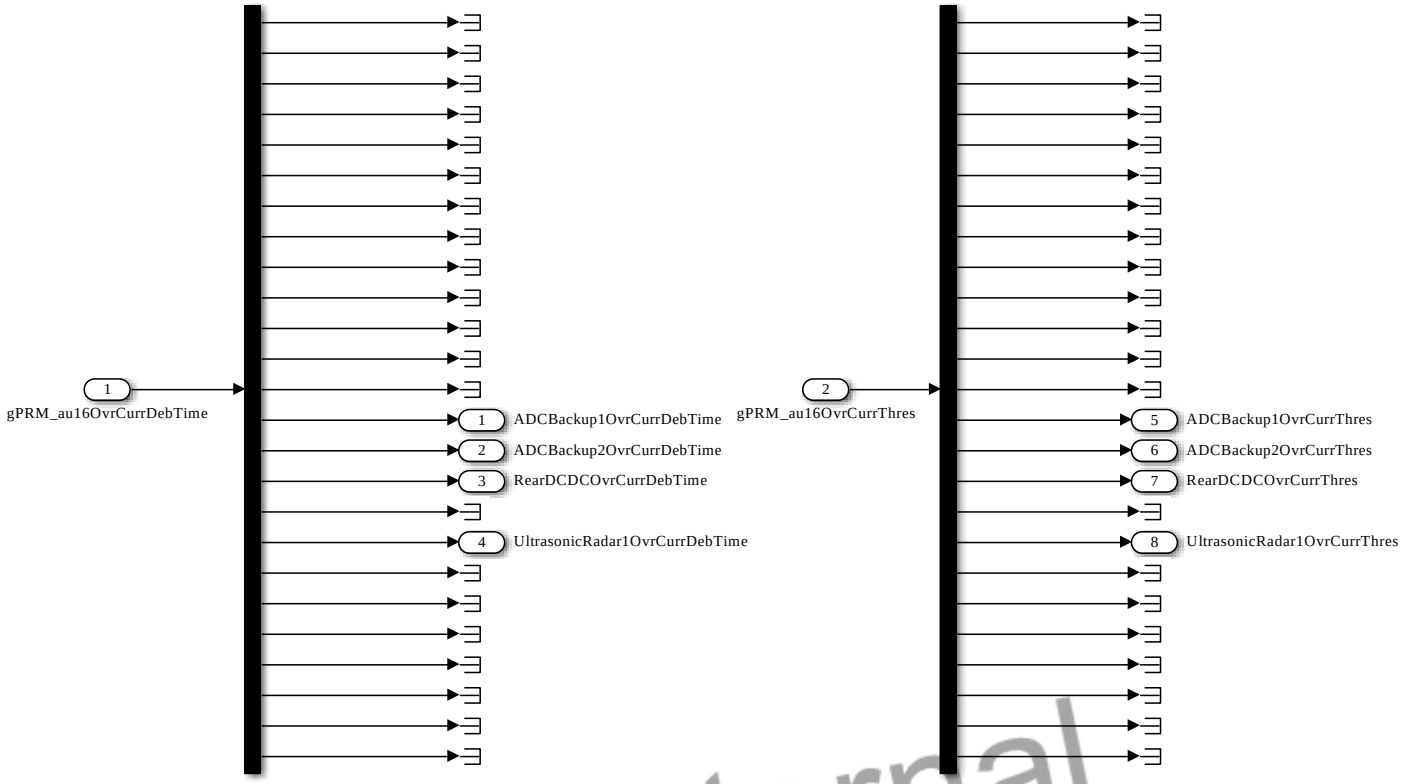

Figure 48 EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SleepStateGet [EFuse_Mon_EFuse_Mon_Runnable_10ms_sys_SleepStateGet]

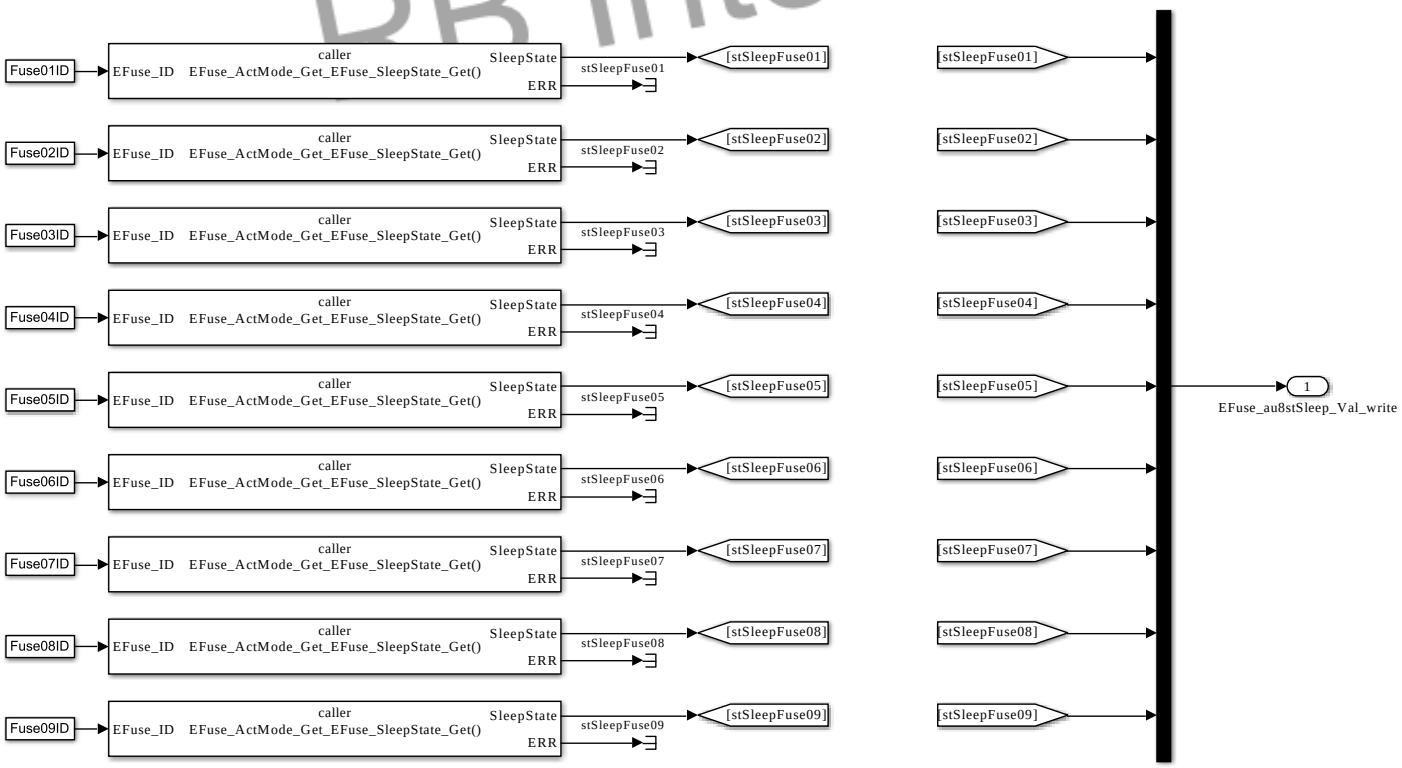

Figure 49 EFuse_Mon_EFuse_Mon_Runnable_Init [EFuse_Mon_EFuse_Mon_Runnable_Init]

Table 1 Data Types for port interfaces [PortInterfaceDataTypes]

Port	AccessMode	Interface	DE	Datatype
EFuse_au8stFuse	ImplicitReceive	EFuse_au8stFuse	Val	uint8
gPRM_au16OvrCurrDebTime	ImplicitReceive	gPRM_au16OvrCurrDebTime	Val	uint16
gPRM_au16OvrCurrThres	ImplicitReceive	gPRM_au16OvrCurrThres	Val	uint16
gVRM_u16BatteryVolt_mv	ImplicitReceive	gVRM_u16BatteryVolt_mv	Val	uint16
EFuse_au32CurrFild	ImplicitSend	EFuse_au32CurrFild	Val	uint32
EFuse_au32ErrInfo	ImplicitSend	EFuse_au32ErrInfo	Val	uint32
EFuse_au8stSleep	ImplicitSend	EFuse_au8stSleep	Val	uint8

3 System Constants - Parameters - Variables - Structures

3.1 Parameters

Table 2 **EFuse_Mon** Autosar Parameters: overview

Name	Detailed name	Mode	Type	Defined in
EFuse_EnFuse01TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse02TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse03TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse04TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse05TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse06TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse07TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse08TestMod_C			VALUE	EFuse_Mon
EFuse_EnFuse09TestMod_C			VALUE	EFuse_Mon
EFuse_EnProtThdCal_C			VALUE	EFuse_Mon
EFuse_iFuse01ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse01TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse02ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse02TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse03ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse03TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse04ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse04TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse05ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse05TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse06ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse06TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse07ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse07TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse08ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse08TestMod_C			VALUE	EFuse_Mon
EFuse_iFuse09ProtThd_C			VALUE	EFuse_Mon
EFuse_iFuse09TestMod_C			VALUE	EFuse_Mon
EFuse_tiFuse01ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse02ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse03ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse04ProtEquiv-Thd_C			VALUE	EFuse_Mon

Name	Detailed name	Mode	Type	Defined in
EFuse_tiFuse05ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse06ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse07ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse08ProtEquiv-Thd_C			VALUE	EFuse_Mon
EFuse_tiFuse09ProtEquiv-Thd_C			VALUE	EFuse_Mon

Table 3 **EFuse_Mon** Autosar Parameters: details

Name	Value range coded Value range phys	Quantisation	Conversion	Data type	MaxSst	X-Input X-Axis points	Y-Input Y-Axis points
EFuse_EnFuse01TestMod_C							
EFuse_EnFuse02TestMod_C							
EFuse_EnFuse03TestMod_C							
EFuse_EnFuse04TestMod_C							
EFuse_EnFuse05TestMod_C							
EFuse_EnFuse06TestMod_C							
EFuse_EnFuse07TestMod_C							
EFuse_EnFuse08TestMod_C							
EFuse_EnFuse09TestMod_C							
EFuse_EnProtThdCal_C							
EFuse_iFuse01ProtThd_C							
EFuse_iFuse01TestMod_C							
EFuse_iFuse02ProtThd_C							
EFuse_iFuse02TestMod_C							
EFuse_iFuse03ProtThd_C							
EFuse_iFuse03TestMod_C							
EFuse_iFuse04ProtThd_C							
EFuse_iFuse04TestMod_C							
EFuse_iFuse05ProtThd_C							
EFuse_iFuse05TestMod_C							
EFuse_iFuse06ProtThd_C							

Name	Value range coded Value range phys	Quantisation	Conversion	Data type	MaxSst	X-Input X-Axis points	Y-Input Y-Axis points
EFuse_iFuse06TestMod_C							
EFuse_iFuse07ProtThd_C							
EFuse_iFuse07TestMod_C							
EFuse_iFuse08ProtThd_C							
EFuse_iFuse08TestMod_C							
EFuse_iFuse09ProtThd_C							
EFuse_iFuse09TestMod_C							
EFuse_tiFuse01ProtEquivThd_C							
EFuse_tiFuse02ProtEquivThd_C							
EFuse_tiFuse03ProtEquivThd_C							
EFuse_tiFuse04ProtEquivThd_C							
EFuse_tiFuse05ProtEquivThd_C							
EFuse_tiFuse06ProtEquivThd_C							
EFuse_tiFuse07ProtEquivThd_C							
EFuse_tiFuse08ProtEquivThd_C							
EFuse_tiFuse09ProtEquivThd_C							

3.2 Variables

Table 4 **EFuse_Mon** Autosar Variables: overview

Name	Detailed name	Mode	Type	Defined in
EF_DTCADCBackup1PwrSplySCGFault			VALUE	EFuse_Mon
EF_DTCADCBackup2PwrSplySCGFault			VALUE	EFuse_Mon
EFu_DTCADCBackup1PwrSplyOCFault			VALUE	EFuse_Mon
EFu_DTCADCBackup1PwrSplyOLFault			VALUE	EFuse_Mon
EFu_DTCADCBackup2PwrSplyOCFault			VALUE	EFuse_Mon
EFu_DTCADCBackup2PwrSplyOLFault			VALUE	EFuse_Mon

Name	Detailed name	Mode	Type	Defined in
EFus_DTCRearDCDCPwrSplySCGFault			VALUE	EFuse_Mon
EFuse_DTCRearDCDCPwrSplyOCFault			VALUE	EFuse_Mon
EFuse_DTCRearDCDCPwrSplyOLFault			VALUE	EFuse_Mon
EFuse_M_UltrasonicRadar1OCFault			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse01			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse02			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse03			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse04			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse05			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse06			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse07			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse08			VALUE	EFuse_Mon
EFuse_Mon_DiagInfoFuse09			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse01			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse02			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse03			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse04			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse05			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse06			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse07			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse08			VALUE	EFuse_Mon
EFuse_Mon_EFuse_iRawFuse09			VALUE	EFuse_Mon
EFuse_Mon_flgFuse01SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse02SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse03SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse04SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse05SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse06SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse07SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse08SWProt			VALUE	EFuse_Mon
EFuse_Mon_flgFuse09SWProt			VALUE	EFuse_Mon
EFuse_Mon_iFuse01Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse02Fild			VALUE	EFuse_Mon

Name	Detailed name	Mode	Type	Defined in
EFuse_Mon_iFuse03Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse04Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse05Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse06Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse07Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse08Fild			VALUE	EFuse_Mon
EFuse_Mon_iFuse09Fild			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse01			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse02			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse03			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse04			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse05			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse06			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse07			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse08			VALUE	EFuse_Mon
EFuse_Mon_stSleepFuse09			VALUE	EFuse_Mon
EFuse_UltrasonicRadar1S-CGFault			VALUE	EFuse_Mon

Table 5 **EFuse_Mon** Autosar Variables: details

Name	Impl. type	Value range coded Value range phys	Quantisation	Conversion Bit base (BB)	Data type BB type	Ele# Bit#	AddrMethod Bit pos.
EF_DTCADCBackup1PwrSplyS-CGFault	STANDARD						
EF_DTCADCBackup2PwrSplyS-CGFault	STANDARD						
EFu_DTCADCBackup1PwrSplyO-CFault	STANDARD						
EFu_DTCADC-Backup1PwrS-plyOLFault	STANDARD						
EFu_DTCADCBackup2PwrSplyO-CFault	STANDARD						
EFu_DTCADC-Backup2PwrS-plyOLFault	STANDARD						
EFus_DTCRear-DCDCPwrSplyS-CGFault	STANDARD						
EFuse_DTCRear-DCDCPwrSplyO-CFault	STANDARD						
EFuse_DTCRe-arDCDCPwrS-plyOLFault	STANDARD						
EFuse_M_Ultra-sonicRadar1OC-Fault	STANDARD						
EFuse_Mon_Dia-gInfoFuse01	STANDARD						
EFuse_Mon_Dia-gInfoFuse02	STANDARD						

Name	Impl. type	Value range coded Value range phys	Quantisation	Conversion Bit base (BB)	Data type BB type	Ele# Bit#	AddrMethod Bit pos.
EFuse_Mon_DiagInfoFuse03	STANDARD						
EFuse_Mon_DiagInfoFuse04	STANDARD						
EFuse_Mon_DiagInfoFuse05	STANDARD						
EFuse_Mon_DiagInfoFuse06	STANDARD						
EFuse_Mon_DiagInfoFuse07	STANDARD						
EFuse_Mon_DiagInfoFuse08	STANDARD						
EFuse_Mon_DiagInfoFuse09	STANDARD						
EFuse_Mon_EFuse_iRawFuse01	STANDARD						
EFuse_Mon_EFuse_iRawFuse02	STANDARD						
EFuse_Mon_EFuse_iRawFuse03	STANDARD						
EFuse_Mon_EFuse_iRawFuse04	STANDARD						
EFuse_Mon_EFuse_iRawFuse05	STANDARD						
EFuse_Mon_EFuse_iRawFuse06	STANDARD						
EFuse_Mon_EFuse_iRawFuse07	STANDARD						
EFuse_Mon_EFuse_iRawFuse08	STANDARD						
EFuse_Mon_EFuse_iRawFuse09	STANDARD						
EFuse_Mon_flgFuse01SWProt	STANDARD						
EFuse_Mon_flgFuse02SWProt	STANDARD						
EFuse_Mon_flgFuse03SWProt	STANDARD						
EFuse_Mon_flgFuse04SWProt	STANDARD						
EFuse_Mon_flgFuse05SWProt	STANDARD						
EFuse_Mon_flgFuse06SWProt	STANDARD						
EFuse_Mon_flgFuse07SWProt	STANDARD						
EFuse_Mon_flgFuse08SWProt	STANDARD						
EFuse_Mon_flgFuse09SWProt	STANDARD						
EFuse_Mon_iFuse01Fild	STANDARD						
EFuse_Mon_iFuse02Fild	STANDARD						
EFuse_Mon_iFuse03Fild	STANDARD						

Name	Impl. type	Value range coded Value range phys	Quantisation	Conversion Bit base (BB)	Data type BB type	Ele# Bit#	AddrMethod Bit pos.
EFuse_Mon_iFuse04Fild	STANDARD						
EFuse_Mon_iFuse05Fild	STANDARD						
EFuse_Mon_iFuse06Fild	STANDARD						
EFuse_Mon_iFuse07Fild	STANDARD						
EFuse_Mon_iFuse08Fild	STANDARD						
EFuse_Mon_iFuse09Fild	STANDARD						
EFuse_Mon_stSleepFuse01	STANDARD						
EFuse_Mon_stSleepFuse02	STANDARD						
EFuse_Mon_stSleepFuse03	STANDARD						
EFuse_Mon_stSleepFuse04	STANDARD						
EFuse_Mon_stSleepFuse05	STANDARD						
EFuse_Mon_stSleepFuse06	STANDARD						
EFuse_Mon_stSleepFuse07	STANDARD						
EFuse_Mon_stSleepFuse08	STANDARD						
EFuse_Mon_stSleepFuse09	STANDARD						
EFuse_UltrasonicRadar1SCGFault	STANDARD						

4 Conversion forms

Table 6 Conversion forms

Name	Category	Unit	Contents int
CM_boolean	TEXTTABLE	NoUnit	(FALSE,0),(TRUE,1)
Dem_DTCFormatType	TEXTTABLE		(DEM_DTC_FORMAT_OBD,0),(DEM_DTC_FORMAT_UDS,1),(DEM_DTC_FORMAT_J1939,2)
Dem_DebounceResetStatusType	TEXTTABLE	NoUnit	(DEM_DEBOUNCE_STATUS_FREEZE,0),(DEM_DEBOUNCE_STATUS_RESET,1)
Dem_EventStatusType	TEXTTABLE	NoUnit	(DEM_EVENT_STATUS_PASSED,0),(DEM_EVENT_STATUS_FAILED,1),(DEM_EVENT_STATUS_PREPASSED,2),(DEM_EVENT_STATUS_PREFAILED,3),(DEM_EVENT_STATUS_FDC_THRESHOLD_REACHED,4),(DEM_EVENT_STATUS_PASSED_CONDITIONS_NOT_FULFILLED,5),(DEM_EVENT_STATUS_FAILED_CONDITIONS_NOT_FULFILLED,6),(DEM_EVENT_STATUS_PREPASSED_CONDITIONS_NOT_FULFILLED,7),(DEM_EVENT_STATUS_PREFAILED_CONDITIONS_NOT_FULFILLED,8)
Dem_UdsStatusByteType	SCALE_LINEAR_AND_TEXTTABLE		(DEM_UDS_STATUS_TF,1),(DEM_UDS_STATUS_TFTOC,2),(DEM_UDS_STATUS_PDTC,4),(DEM_UDS_STATUS_CDTC,8),(DEM_UDS_STATUS_TNCSLC,16),(DEM_UDS_STATUS_TFSLC,32),(DEM_UDS_STATUS_TNCTOC,64),(DEM_UDS_STATUS_WIR,128)
boolean_CompuMethod	TEXTTABLE	NoUnit	(FALSE,0),(TRUE,1)

5 Ports and Interfaces

5.1 Sender Receiver Interface and Ports

5.1.1 Incoming

Table 7 Incoming

Port	Variable	Description	Type
EFuse_au8stFuse	Val		ARRAY
gPRM_au16OvrCurrDebTime	Val		ARRAY
gPRM_au16OvrCurrThres	Val		ARRAY
gVRM_u16BatteryVolt_mv	Val		VALUE

5.1.2 Outgoing

Table 8 Outgoing

Port	Variable	Description	Type
EFuse_au32CurrFild	Val		ARRAY
EFuse_au32ErrInfo	Val		ARRAY
EFuse_au8stSleep	Val		ARRAY

5.2 Client Server Interface

5.2.1 Incoming

Table 9 Incoming

Port	Description
DTC_ADCBackup1PwrSplyOC	
DTC_ADCBackup1PwrSplyOL	
DTC_ADCBackup1PwrSplySCG	
DTC_ADCBackup2PwrSplyOC	
DTC_ADCBackup2PwrSplyOL	
DTC_ADCBackup2PwrSplySCG	
DTC_ADCMain1PwrSplyOC	
DTC_ADCMain1PwrSplyOL	
DTC_ADCMain1PwrSplySCG	
DTC_ADCMain2PwrSplyOC	
DTC_ADCMain2PwrSplyOL	
DTC_ADCMain2PwrSplySCG	
DTC_BMSPwrSplyOC	
DTC_BMSPwrSplyOL	
DTC_BMSPwrSplySCG	
DTC_BrkNOPwrSplyOC	
DTC_BrkNOPwrSplyOL	
DTC_BrkNOPwrSplySCG	
DTC_ClstrDispKL30PwrSplyOC	
DTC_ClstrDispKL30PwrSplyOL	
DTC_ClstrDispKL30PwrSplySCG	
DTC_DVRPwrSplyOC	
DTC_DVRPwrSplyOL	
DTC_DVRPwrSplySCG	
DTC_FrontIDCPwrSplyOC	
DTC_FrontIDCPwrSplyOL	
DTC_FrontIDCPwrSplySCG	
DTC_IntrAntPwrSplyOC	
DTC_IntrAntPwrSplyOL	

Port	Description
DTC_IntrAntPwrSplySCG	
DTC_IPSPwrSplyOC	
DTC_IPSPwrSplyOL	
DTC_IPSPwrSplySCG	
DTC_OBDPwrSplyOC	
DTC_OBDPwrSplyOL	
DTC_OBDPwrSplySCG	
DTC_RearDCDCPwrSplyOC	
DTC_RearDCDCPwrSplyOL	
DTC_RearDCDCPwrSplySCG	
DTC_RFRxrPwrSplyOC	
DTC_RFRxrPwrSplyOL	
DTC_RFRxrPwrSplySCG	
DTC_RLSPwrSplyOC	
DTC_RLSPwrSplyOL	
DTC_RLSPwrSplySCG	
DTC_SAMPwrSplyOC	
DTC_SAMPwrSplyOL	
DTC_SAMPwrSplySCG	
DTC_TBoxPwrSplyOC	
DTC_TBoxPwrSplyOL	
DTC_TBoxPwrSplySCG	
EFuse_ActMode_Get	
EFuse_Current_Get	
EFuse_DiagInfo_Get	

II Production Note

Table 10 Configuration chosen for DocuNG

Parameter	Value
User	
Project Name	EFuse_Mon
Generator Mode	Continue on non-fatal error
Ascet graphic generator engine	UnifiedGraphicGenerator
Matlab graphic generator engine	UnifiedGraphicGenerator
DocType	Det-SwCalDoc
Condition Evaluation	true
Sorting Algorithm	Config Order
Title Page Logo	
Print Algorithms To Review	true
Support Fallback Language	true
Print List Of Converted System Constants	true
Include Function Information Chapter	false
Create Label Alias Mapping	false
HTML	false
PDF	true
PDF: Language	EN - English
PDF: Links in Graphics	true
PDF: Line Numbers	false
PDF: Confidential Level 2	true
PDF: Docu Security Option	false
EHB	false

Table 11 Version Information

Program Module	Version
Product	AEEE-Pro 2020.1.2