

EFuse\_Ctrl | 2022-10-14

EFuse\_Ctrl

[COMP]

RB Internal

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# I [EFuse\_Ctrl ]

# **1 Function Definition**

# 1.1 Purpose

EFuse Function develope introduction

### 1.2 Introduction

GAC ZCU Project Common EFuse Function:EFuse\_Ctrl

# **2 Function Description**

### 2.1 Behavior in normal mode

Figure 1 EFuse\_Ctrl [EFuse\_Ctrl]



EFuse\_Ctrl\_Runnable\_Init

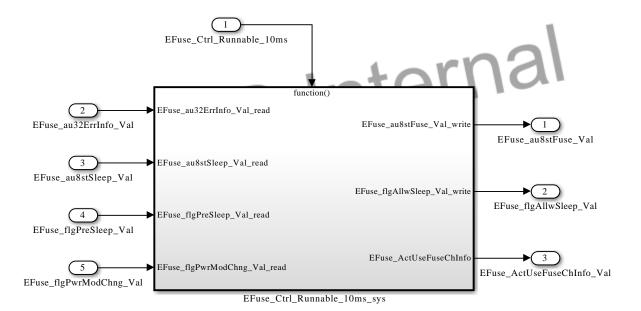




Figure 2 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys]

function

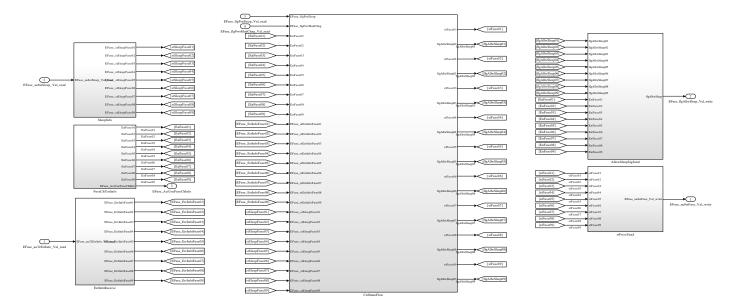
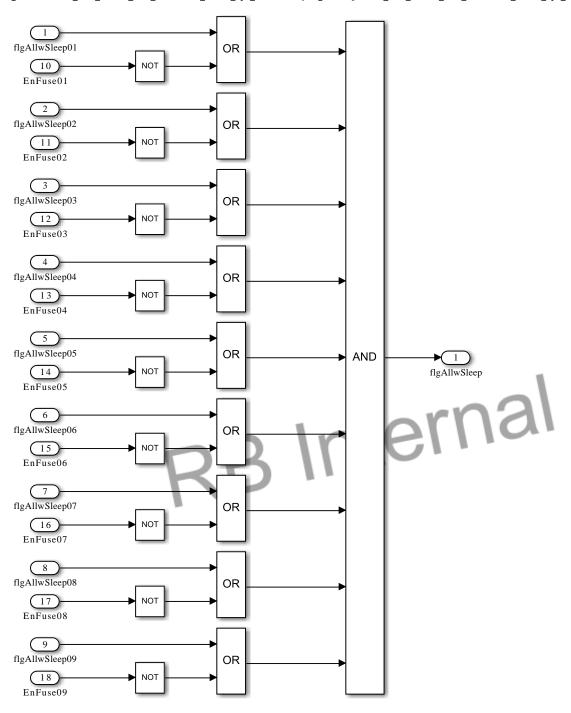




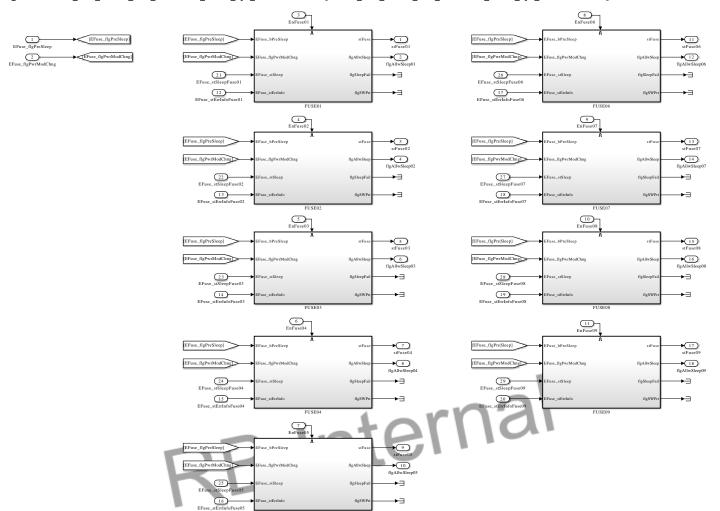
Figure 3 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_AllowSleepSigSend [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_AllowSleepSigSend]





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 $Figure\ 4\ EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\ [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow]$ 





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Figure 5 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01]



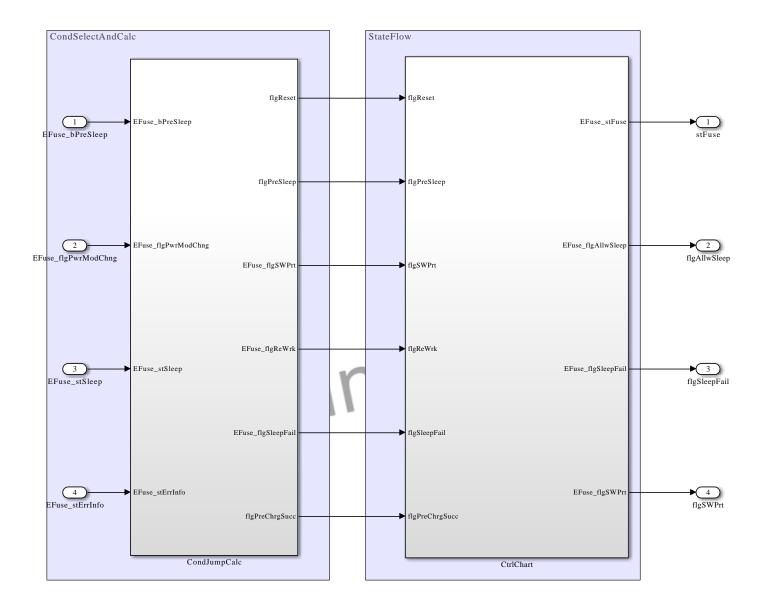




Figure 6 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc]



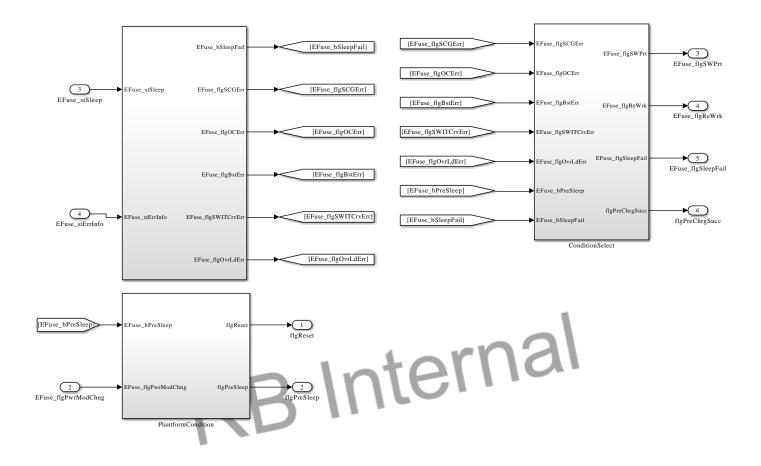




Figure 7 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect]

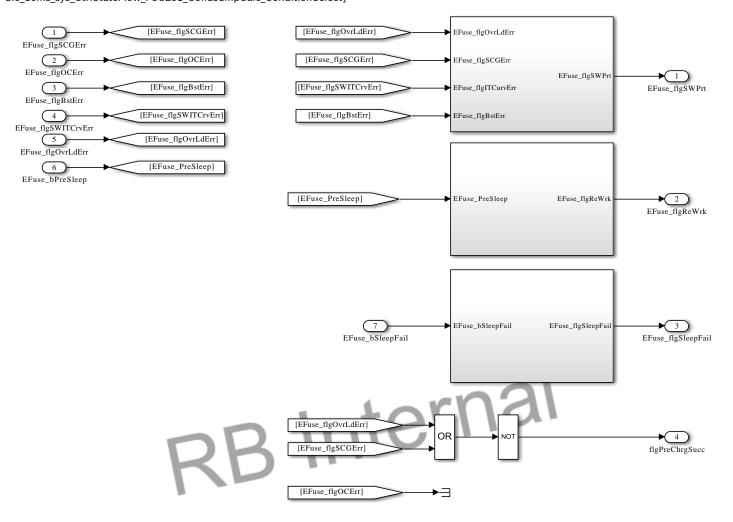


Figure 8 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect\_Subsystem]

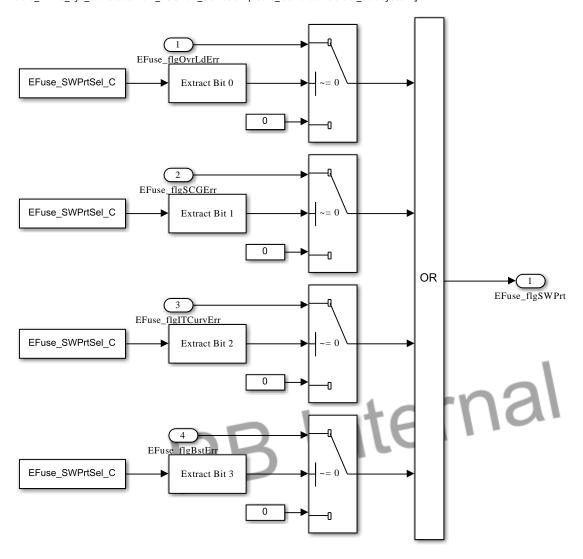


Figure 9 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect\_Subsystem2]

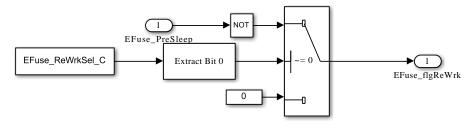
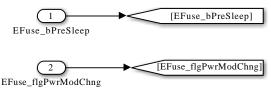


Figure 10 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_ConditionSelect\_Subsystem3]

EFuse\_bSleepFail EFuse\_flgSleepFail



Figure 11 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_PlantformCondition]



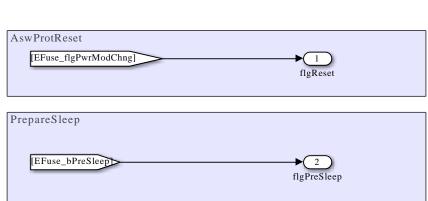


Figure 12 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem]

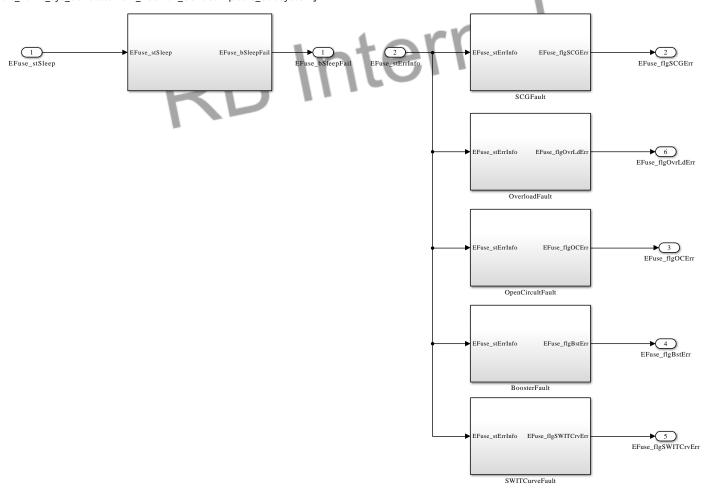


Figure 13 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_BoosterFault]

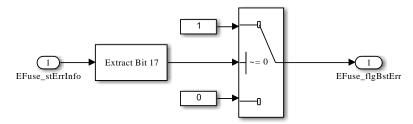


Figure 14 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_OpenCircultFault]

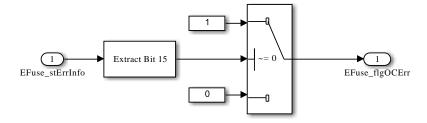


Figure 15 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_OverloadFault]

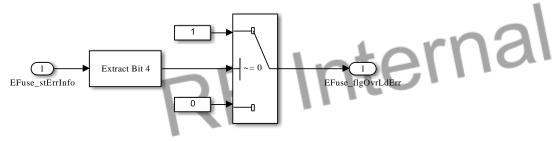


Figure 16 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_SCGFault]

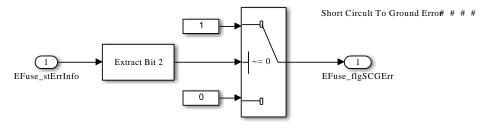


Figure 17 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_SWITCurveFault]

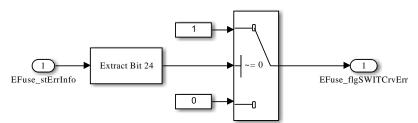




Figure 18 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CondJumpCalc\_Subsystem]

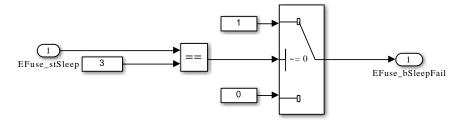


Figure 19 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart]

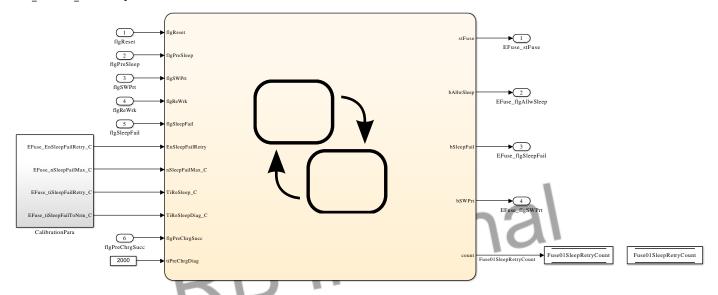


Figure 20 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart\_CalibrationPara]

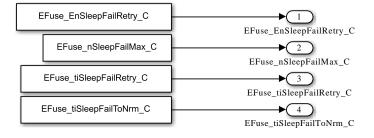


Figure 21 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart\_Chart]

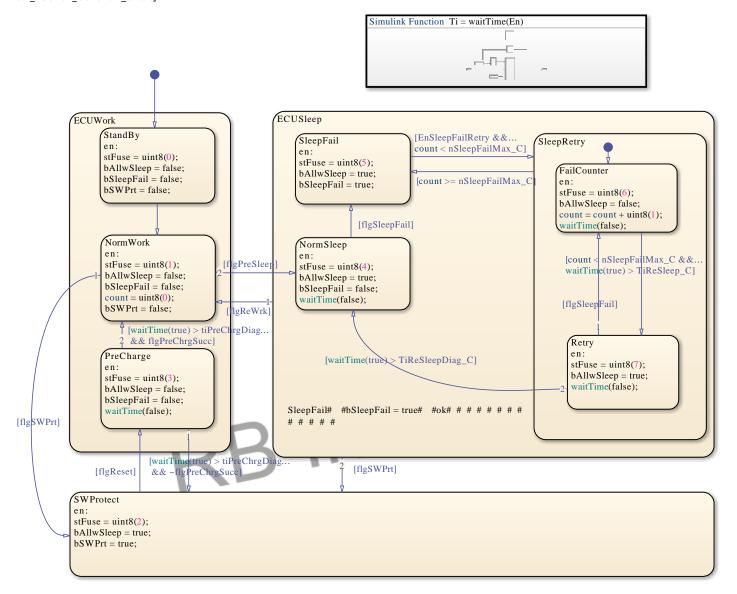


Figure 22 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE01\_CtrlChart\_waitTime]

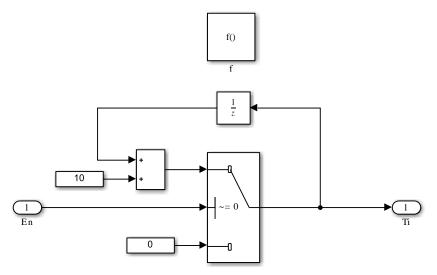




Figure 23 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02]



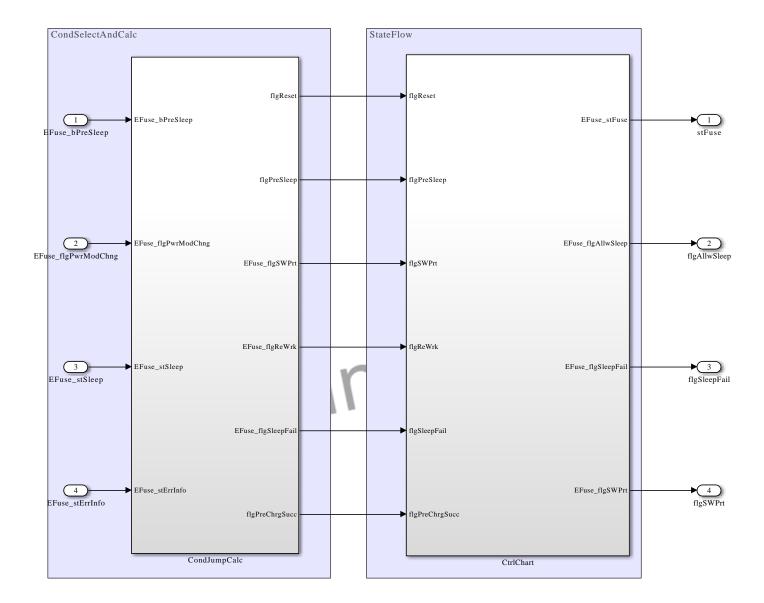




Figure 24 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlState-Flow\_FUSE02\_CondJumpCalc]



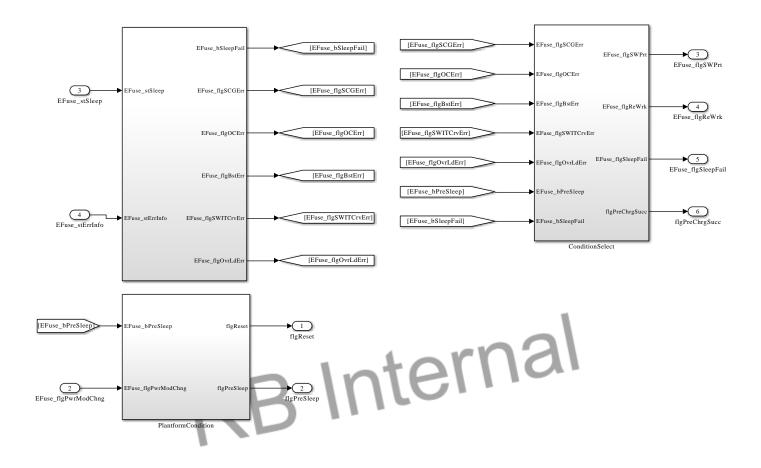


Figure 25 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect]

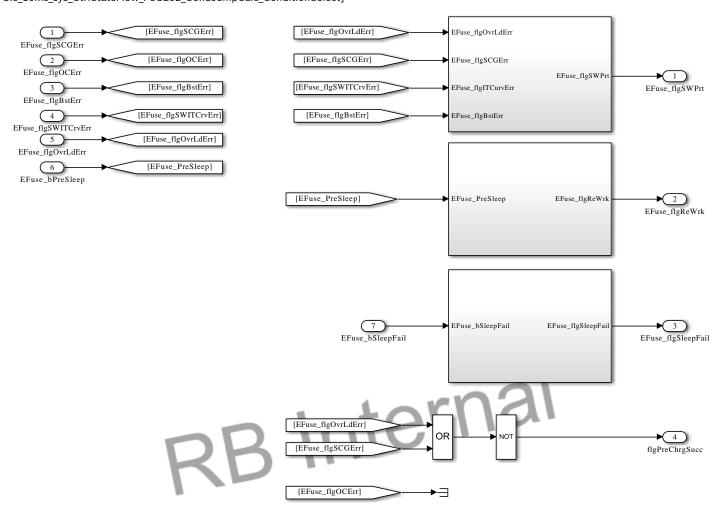


Figure 26 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect\_Subsystem]

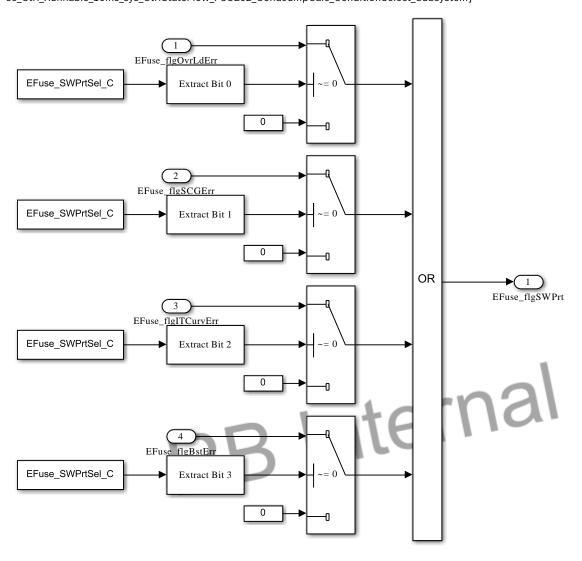


Figure 27 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect\_Subsystem2]

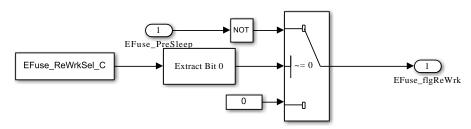
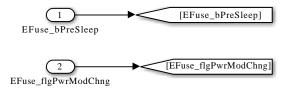


Figure 28 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 29 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_PlantformCondition]



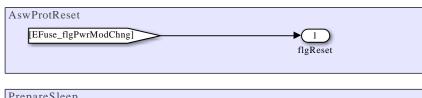




Figure 30 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem]

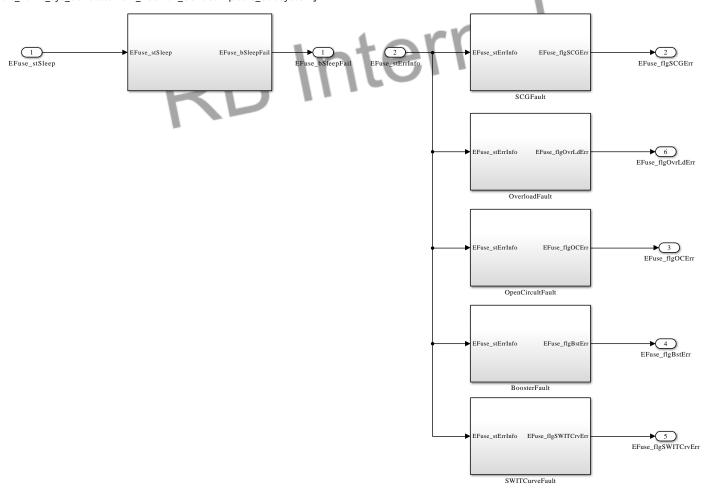


Figure 31 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_BoosterFault]

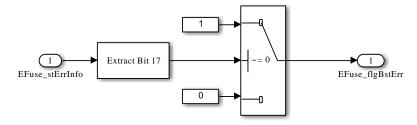


Figure 32 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_OpenCircultFault]

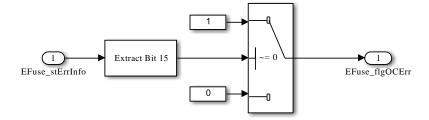


Figure 33 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_OverloadFault]

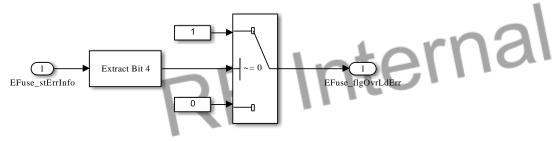


Figure 34 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_SCGFault]

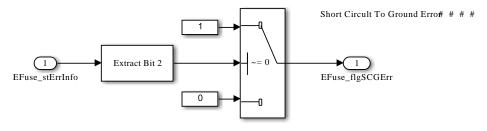


Figure 35 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_SWITCurveFault]

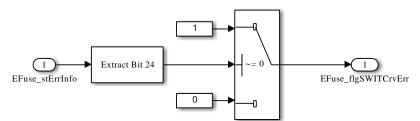


Figure 36 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CondJumpCalc\_Subsystem]

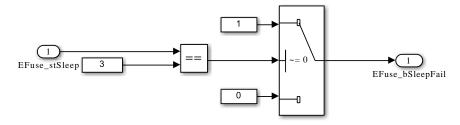


Figure 37 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart]

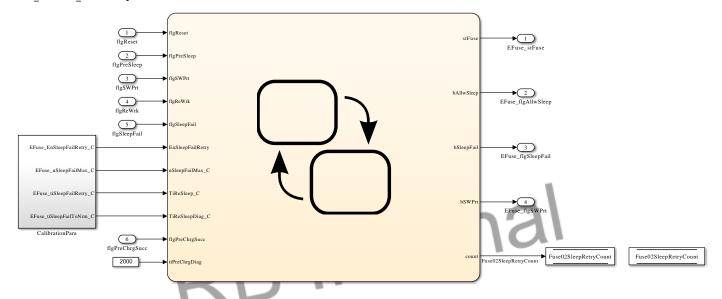
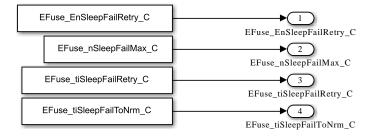


Figure 38 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart\_CalibrationPara]





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Figure 39 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart\_Chart]

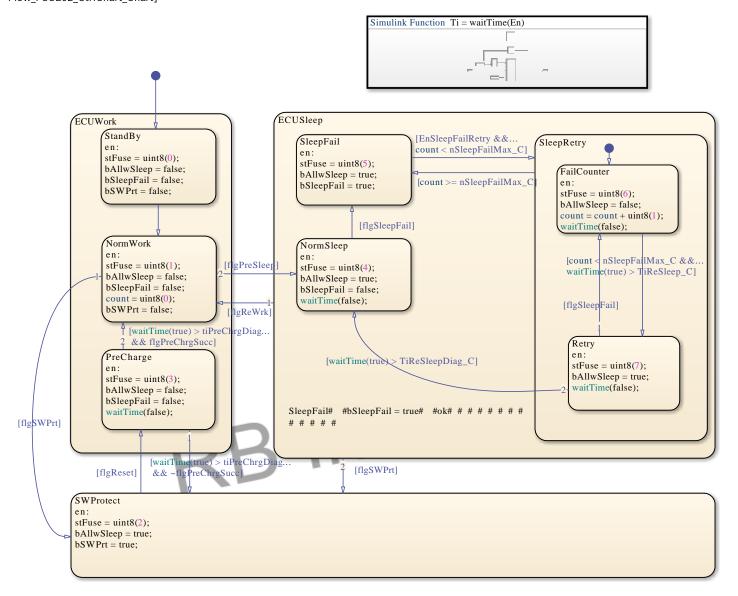


Figure 40 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE02\_CtrlChart\_Chart\_waitTime]

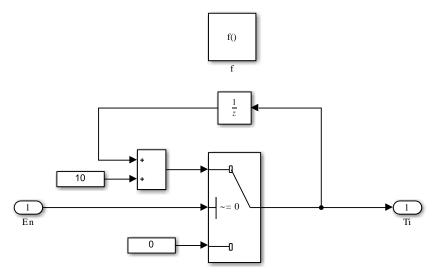




Figure 41 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03]



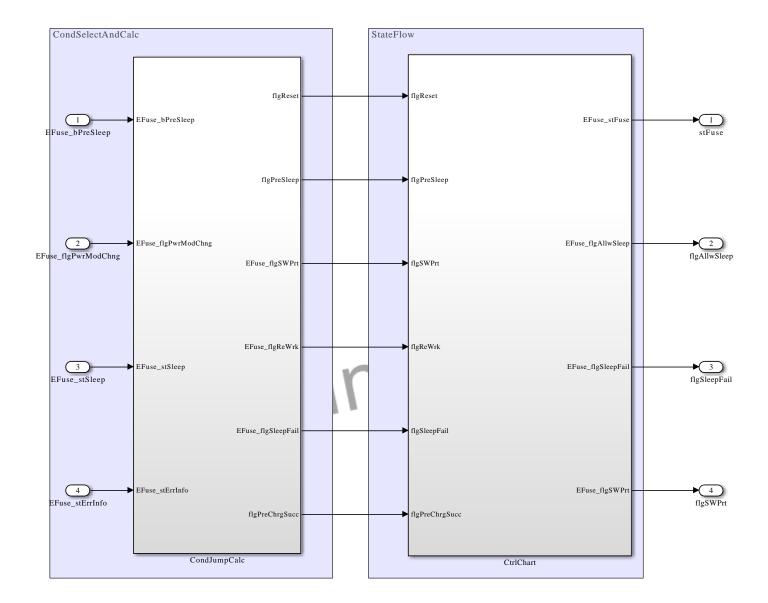




Figure 42 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlState-Flow\_FUSE03\_CondJumpCalc]



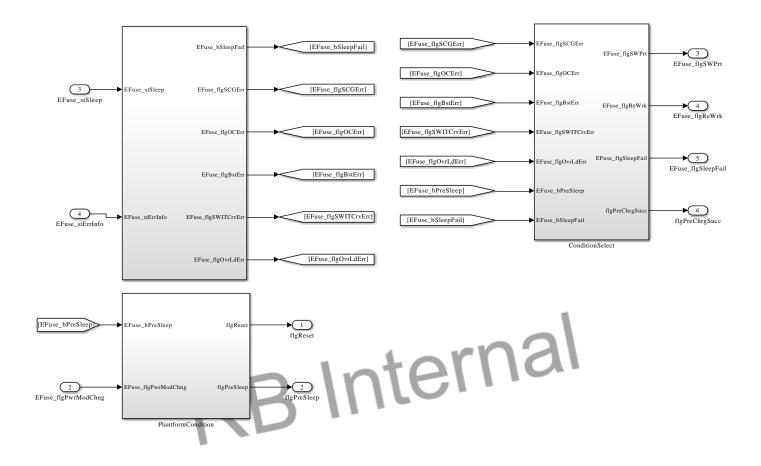


Figure 43 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect]

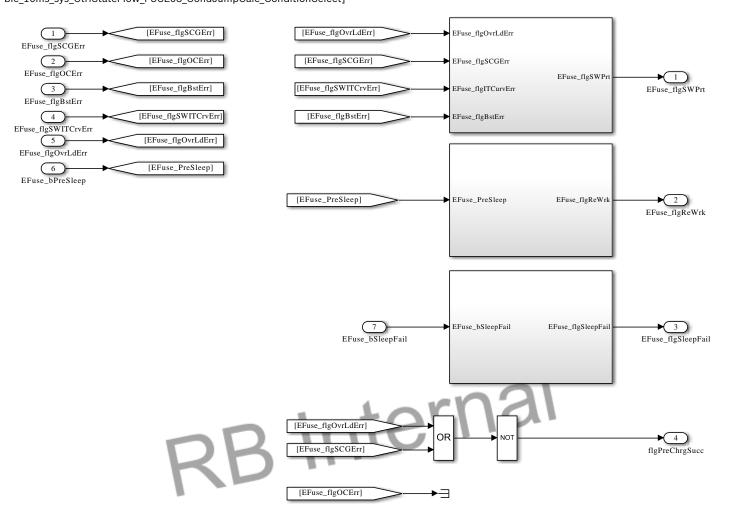


Figure 44 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect\_Subsystem]

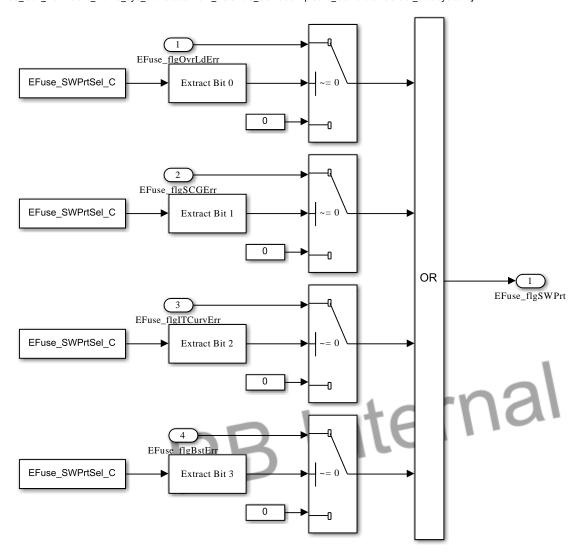


Figure 45 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect\_Subsystem2]

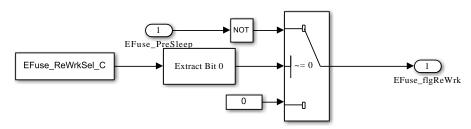
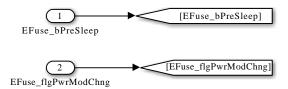


Figure 46 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_ConditionSelect\_Subsystem3]

EFuse\_bSleepFail EFuse\_flgSleepFail



Figure 47 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_PlantformCondition]



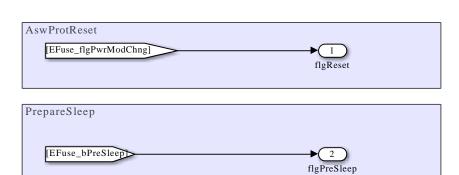


Figure 48 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem]

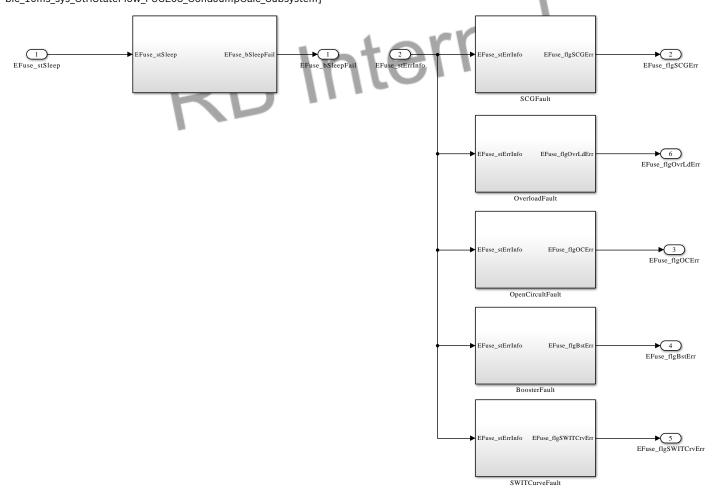
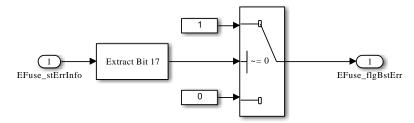


Figure 49 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_BoosterFault]



 $Figure 50 \quad EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_OpenCircultFault \quad [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_OpenCircultFault]$ 

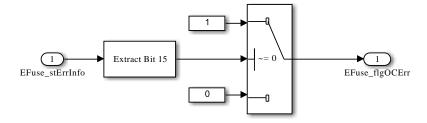


Figure 51 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_OverloadFault]

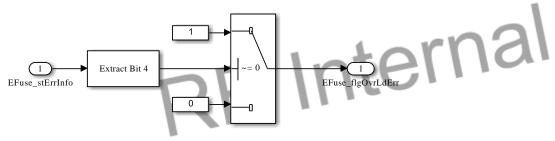


Figure 52 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_SCGFault]

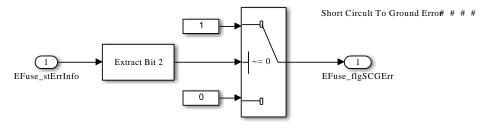


Figure 53 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_SWITCurveFault]

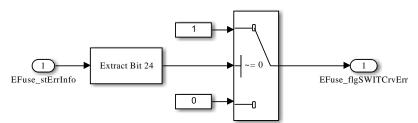




Figure 54 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CondJumpCalc\_Subsystem]

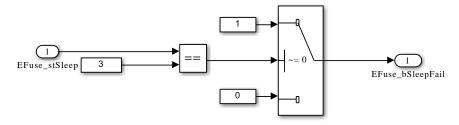


Figure 55 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart]

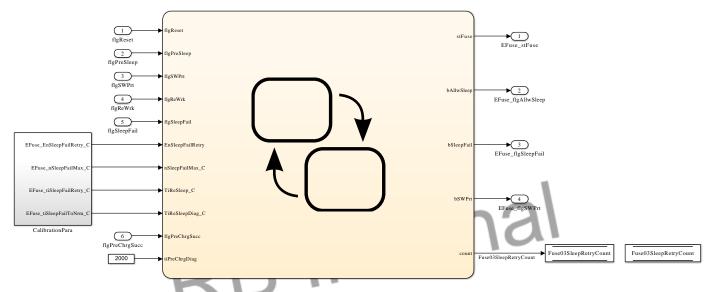


Figure 56 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart\_CalibrationPara]

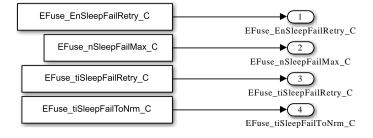




Figure 57 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart\_Chart]

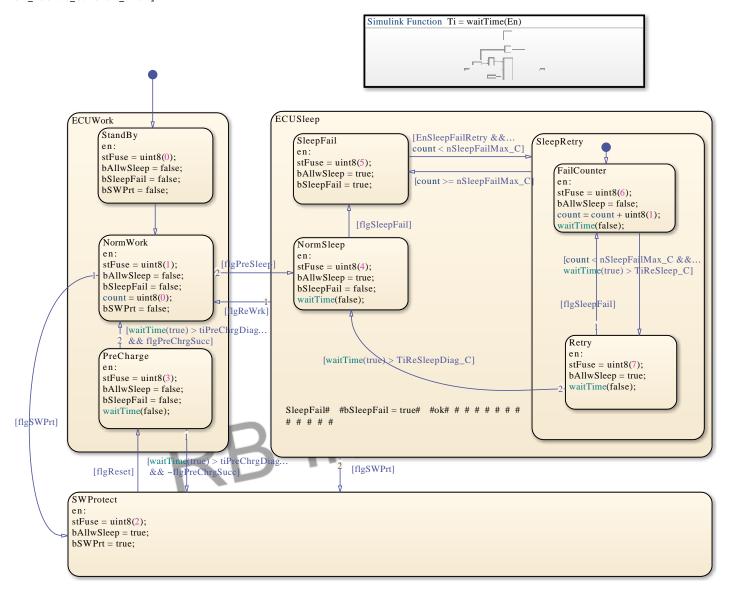


Figure 58 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE03\_CtrlChart\_waitTime]

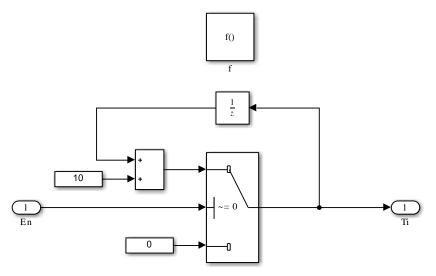




Figure 59 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04]



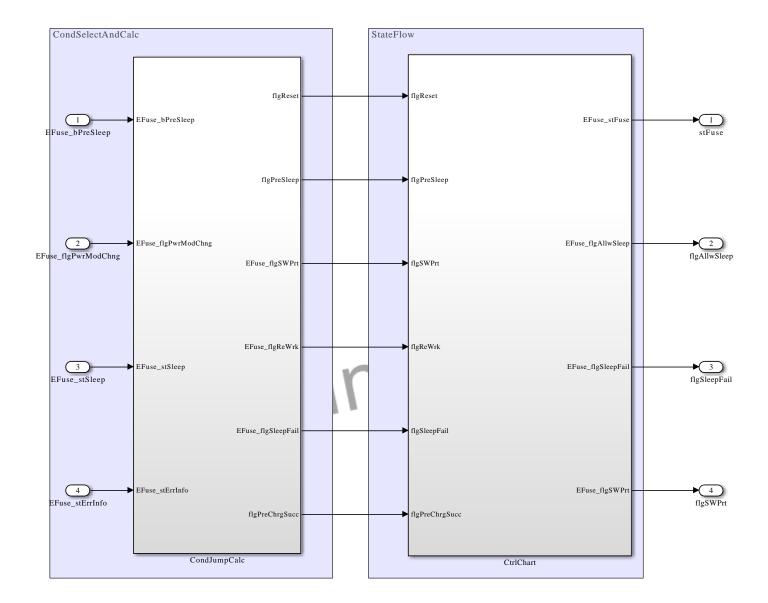




Figure 60 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlState-Flow\_FUSE04\_CondJumpCalc]



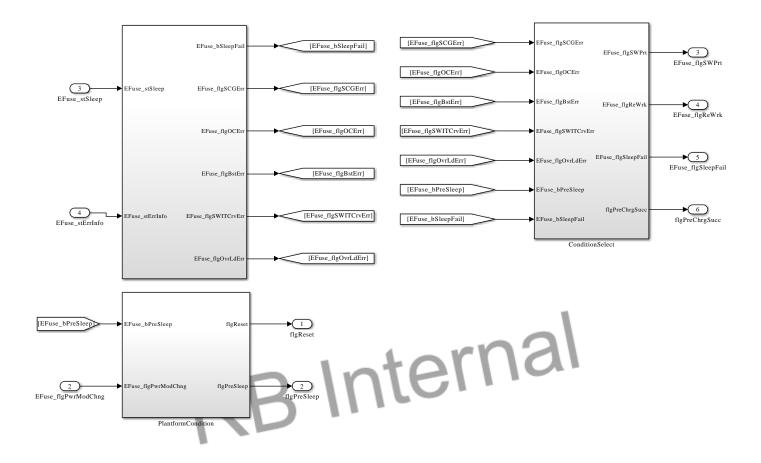




Figure 61 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect]

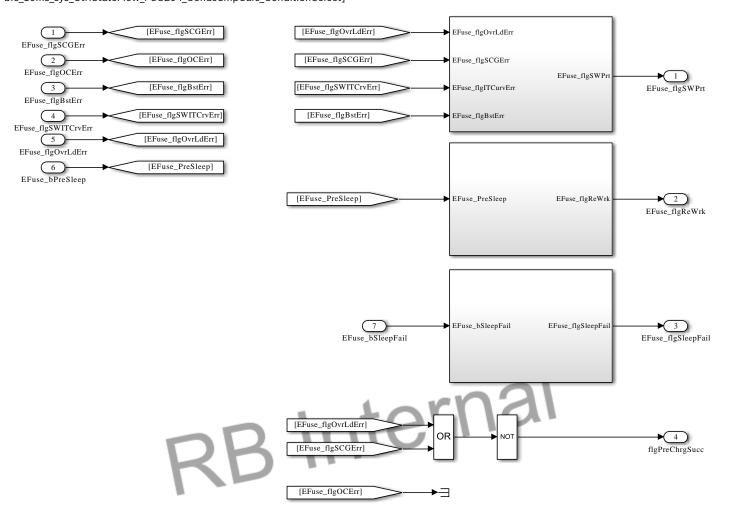


Figure 62 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect\_Subsystem]

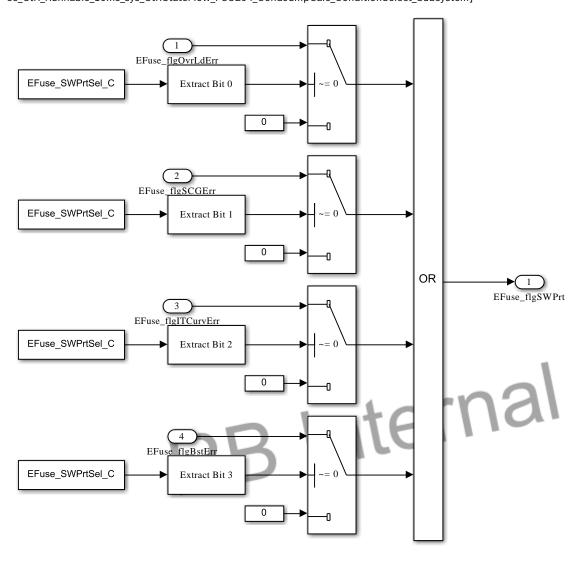


Figure 63 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect\_Subsystem2]

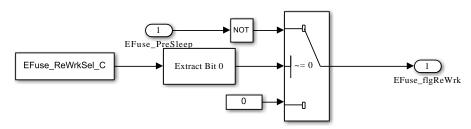
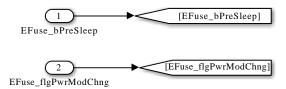


Figure 64 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 65 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_PlantformCondition]



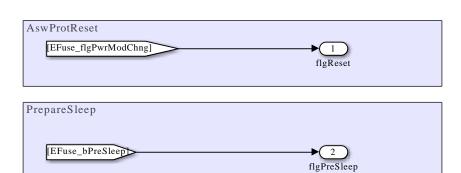


Figure 66 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem]

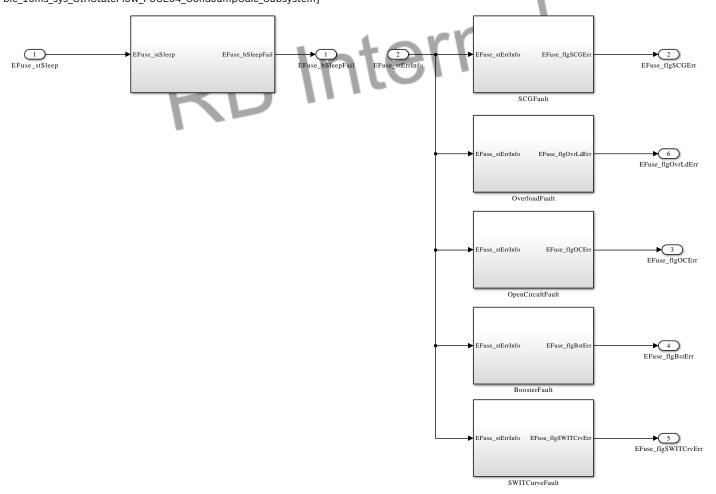


Figure 67 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_BoosterFault]

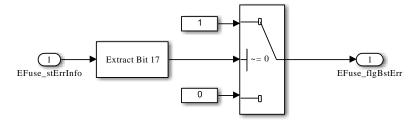


Figure 68 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_OpenCircultFault]

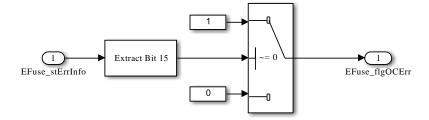


Figure 69 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_OverloadFault]

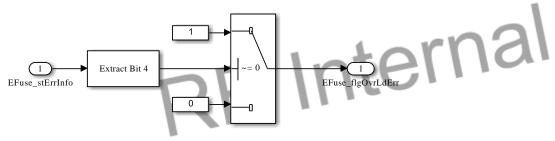


Figure 70 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_SCGFault]

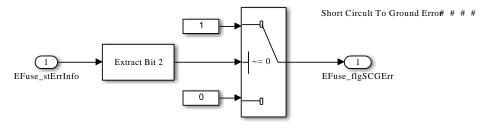


Figure 71 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_SWITCurveFault]

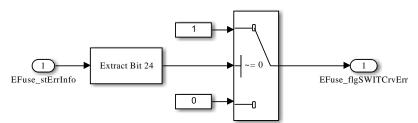


Figure 72 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CondJumpCalc\_Subsystem]

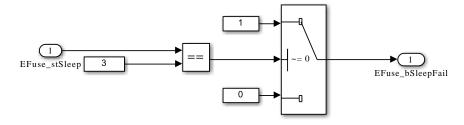


Figure 73 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart]

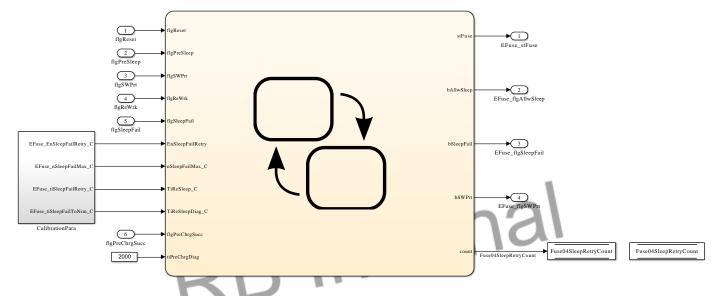


Figure 74 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart\_CalibrationPara]

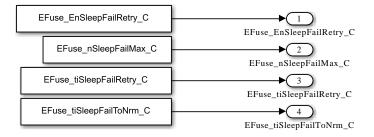




Figure 75 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart\_Chart]

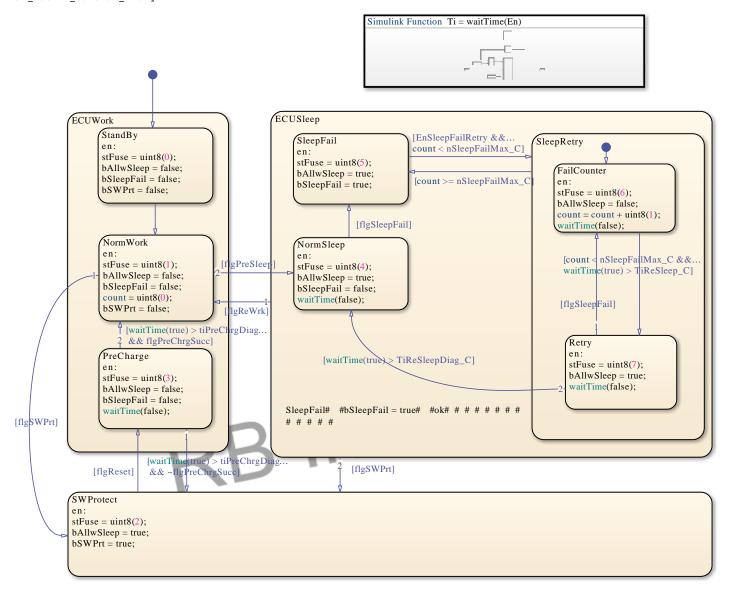


Figure 76 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE04\_CtrlChart\_waitTime]

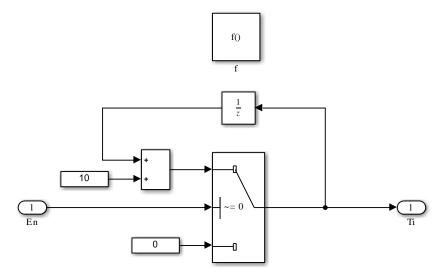




Figure 77 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05]



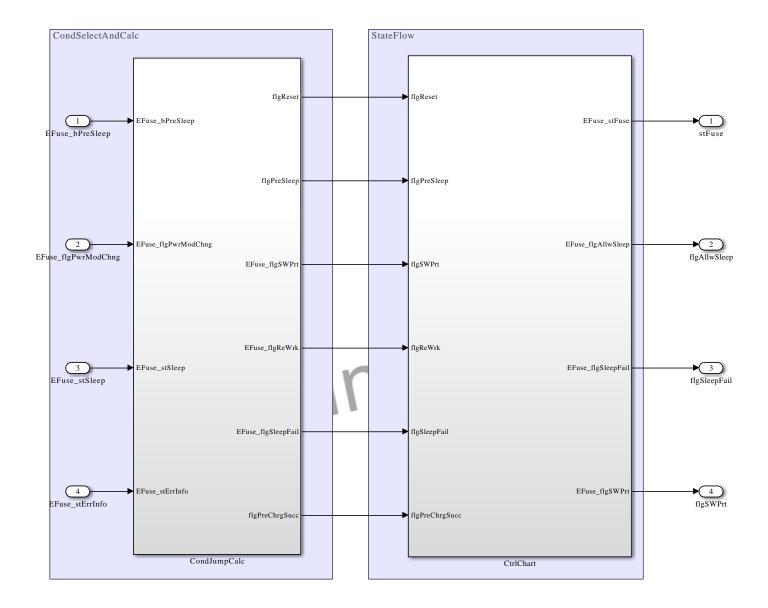
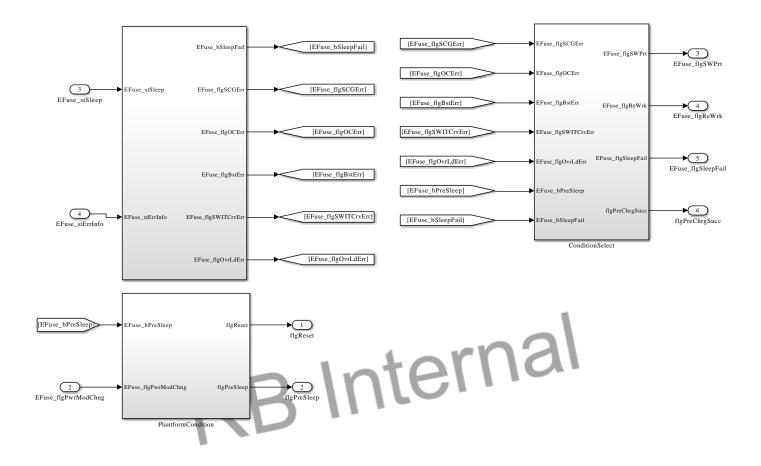




Figure 78 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlState-Flow\_FUSE05\_CondJumpCalc]







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Figure 79 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect]

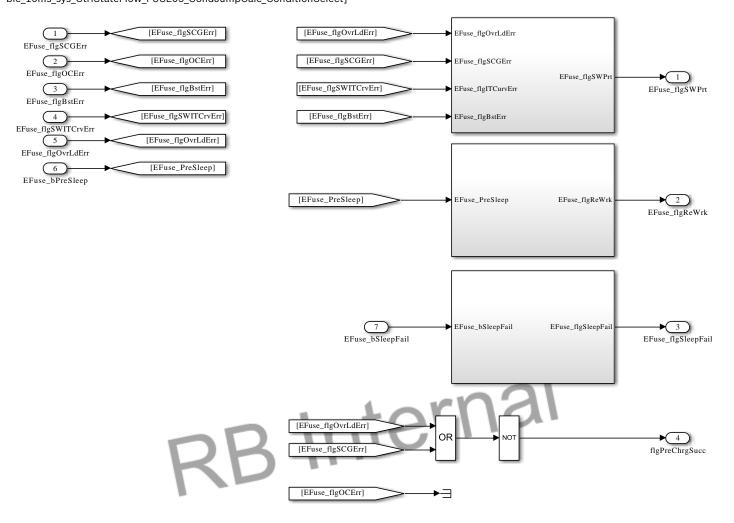


Figure 80 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect\_Subsystem]

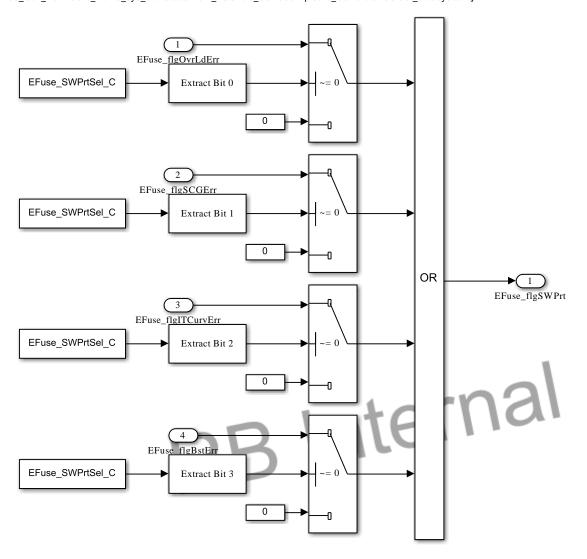


Figure 81 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect\_Subsystem2]

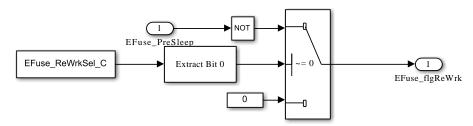
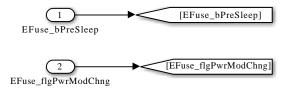


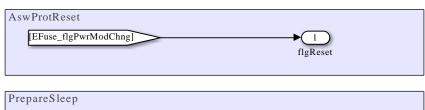
Figure 82 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 83 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_PlantformCondition]





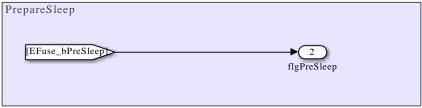


Figure 84 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem]

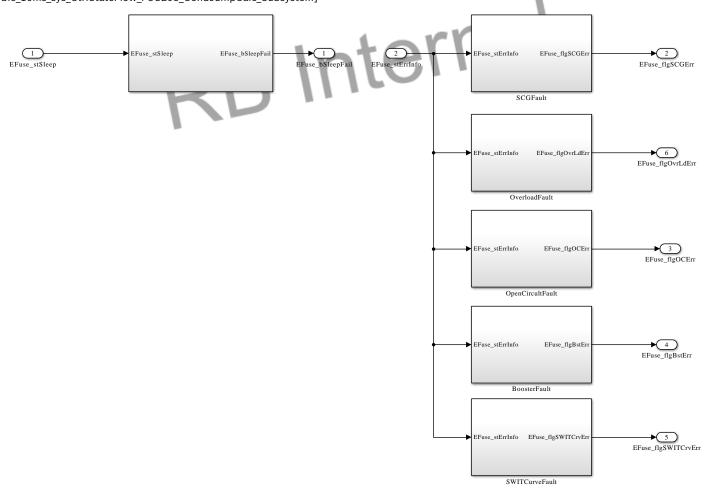


Figure 85 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_BoosterFault]

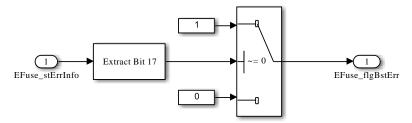


Figure 86 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_OpenCircultFault]

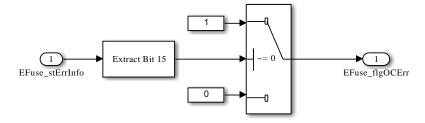


Figure 87 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_OverloadFault]

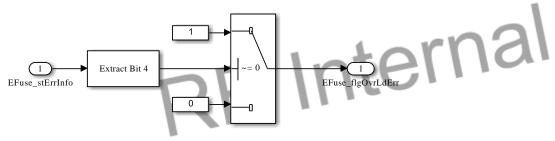


Figure 88 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_SCGFault]

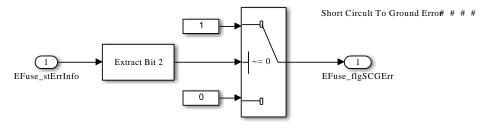


Figure 89 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_SWITCurveFault]

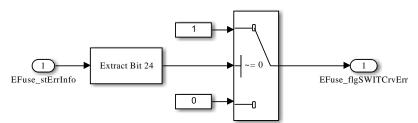


Figure 90 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CondJumpCalc\_Subsystem]

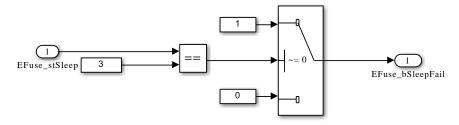


Figure 91 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart]

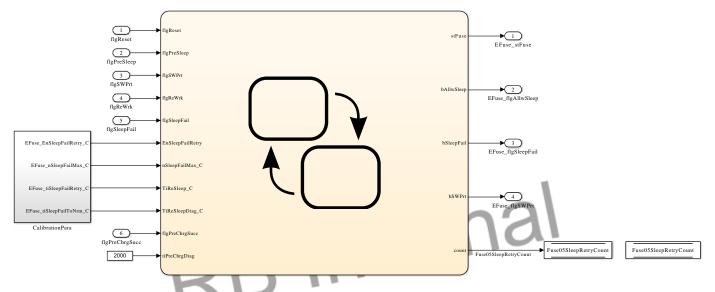


Figure 92 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart\_CalibrationPara]

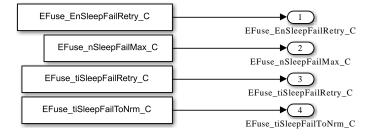




Figure 93 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart\_Chart]

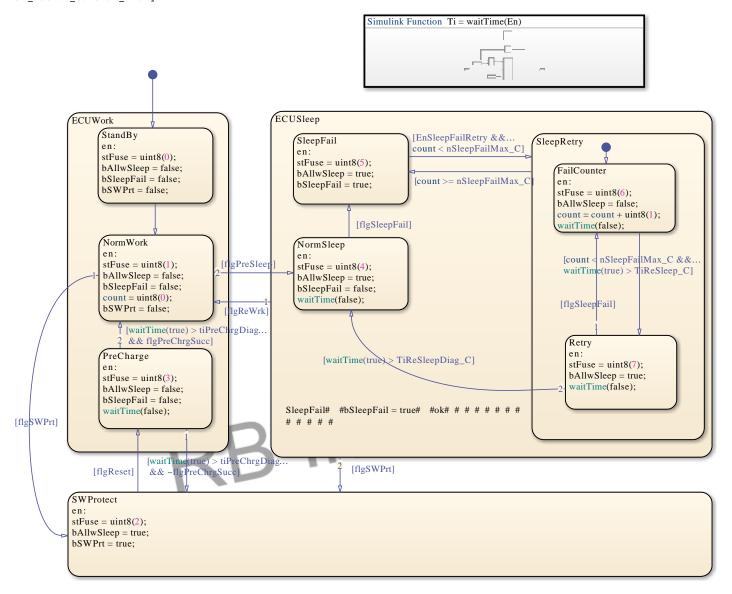
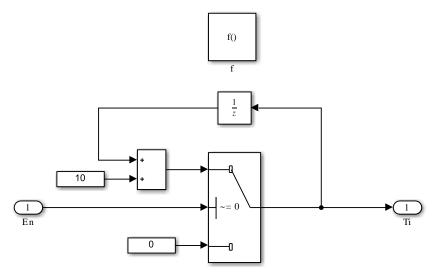


Figure 94 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE05\_CtrlChart\_waitTime]





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Figure 95 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06]



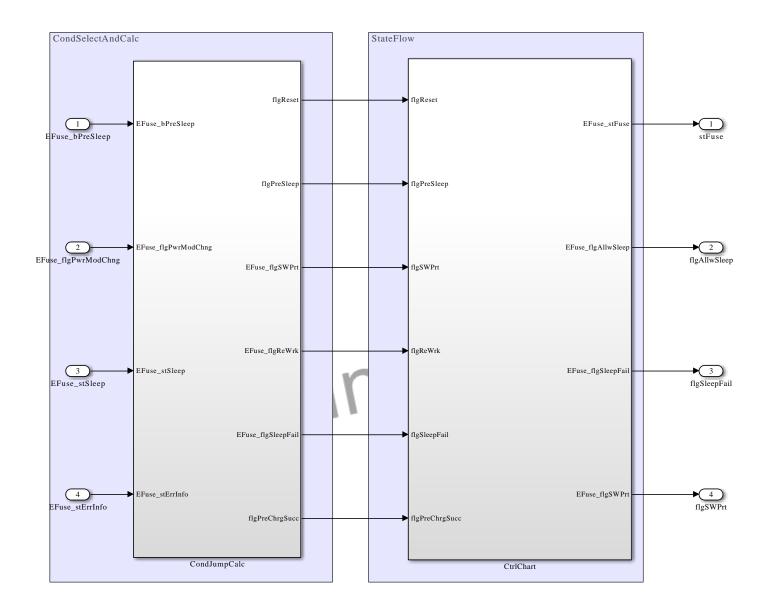
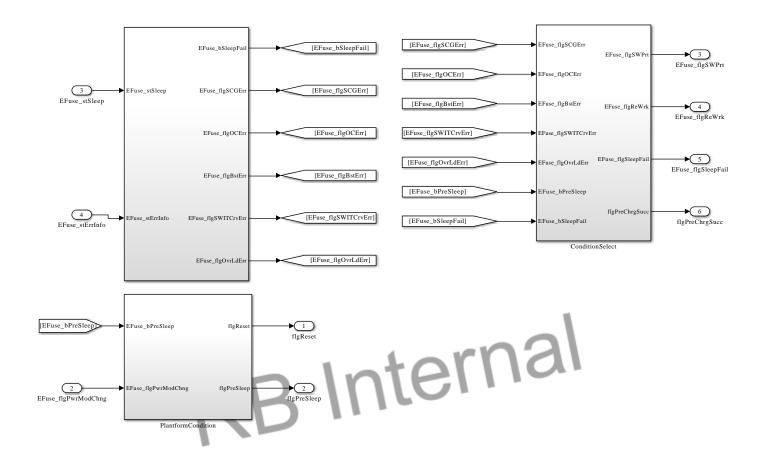




Figure 96 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlState-Flow\_FUSE06\_CondJumpCalc]







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Figure 97 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect]

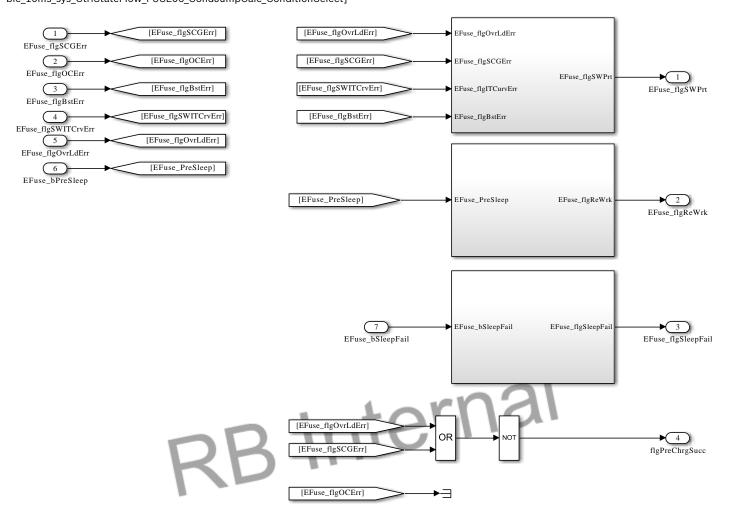


Figure 98 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect\_Subsystem]

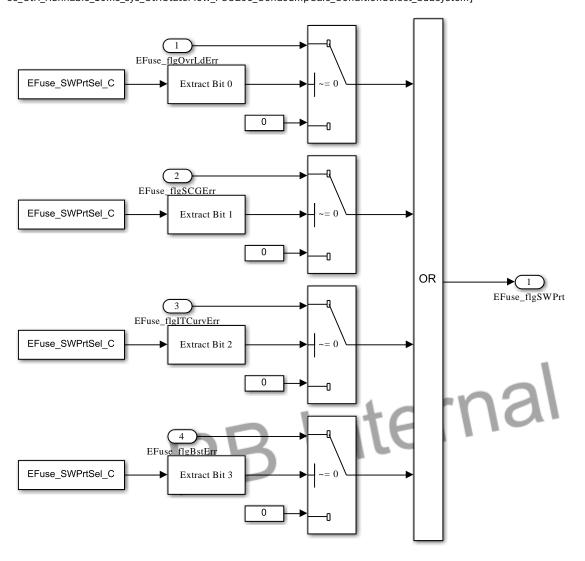


Figure 99 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect\_Subsystem2]

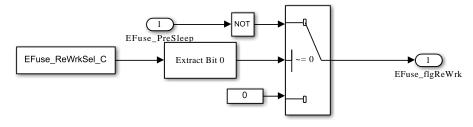
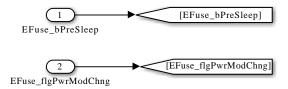


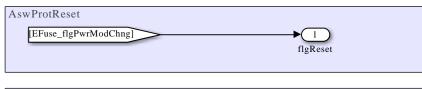
Figure 100 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 101 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_PlantformCondition]





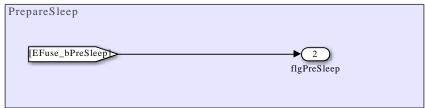


Figure 102 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem]

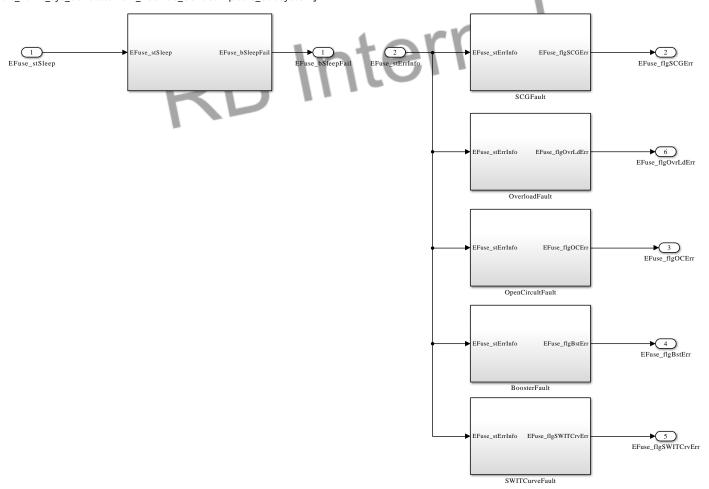


Figure 103 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_BoosterFault]

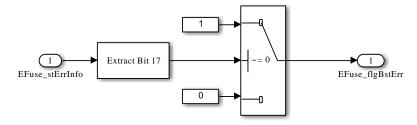


Figure 104 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_OpenCircultFault]

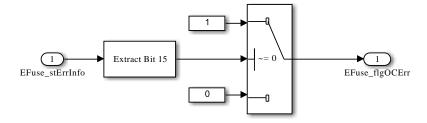


Figure 105 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_OverloadFault]

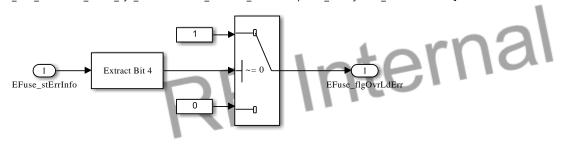


Figure 106 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_SCGFault]

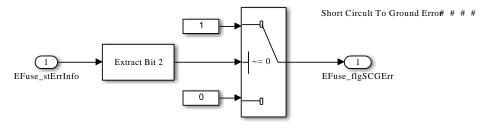


Figure 107 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_SWITCurveFault]

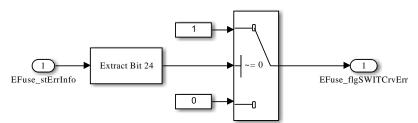


Figure 108 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CondJumpCalc\_Subsystem]

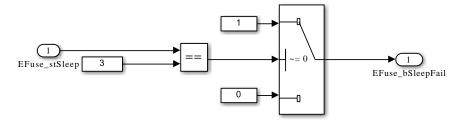


Figure 109 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart]

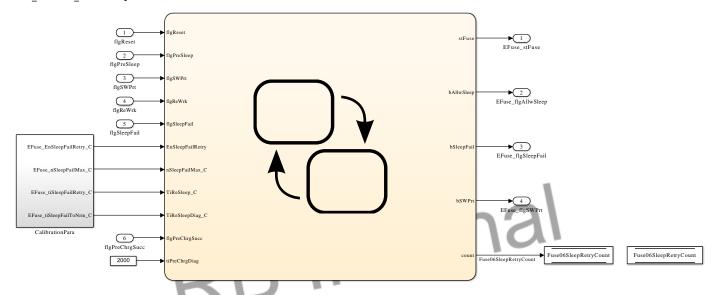


Figure 110 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart\_CalibrationPara]

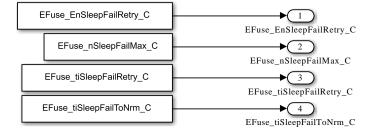




Figure 111 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart\_Chart]

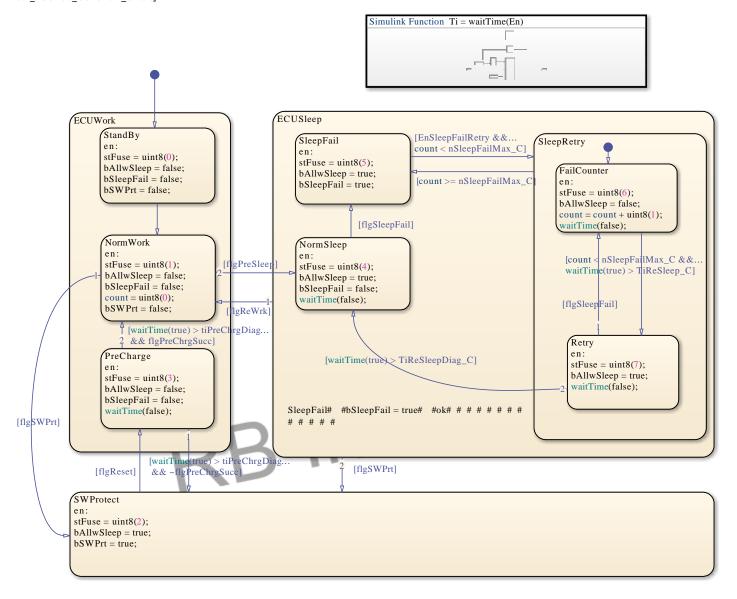


Figure 112 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE06\_CtrlChart\_waitTime]

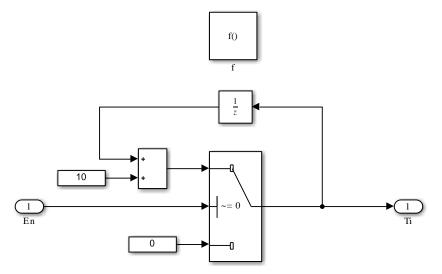




Figure 113 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07]



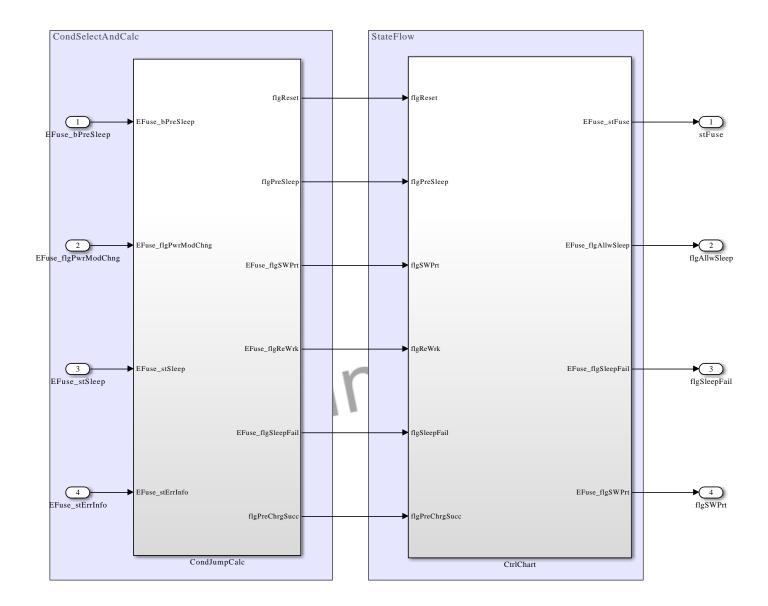




Figure 114 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc]



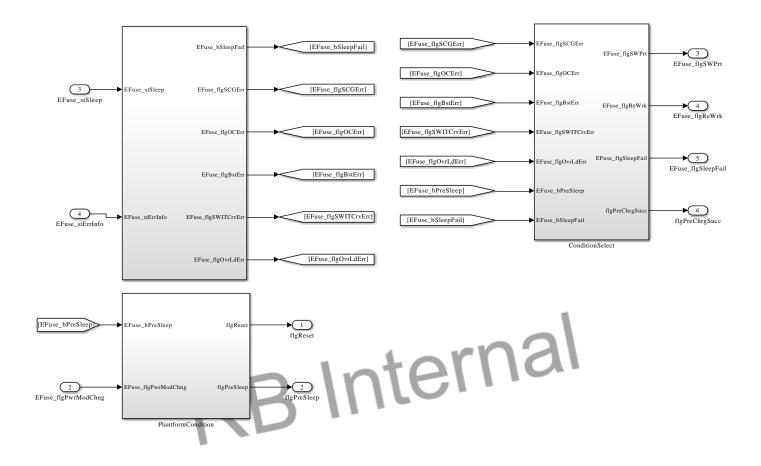


Figure 115 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect]

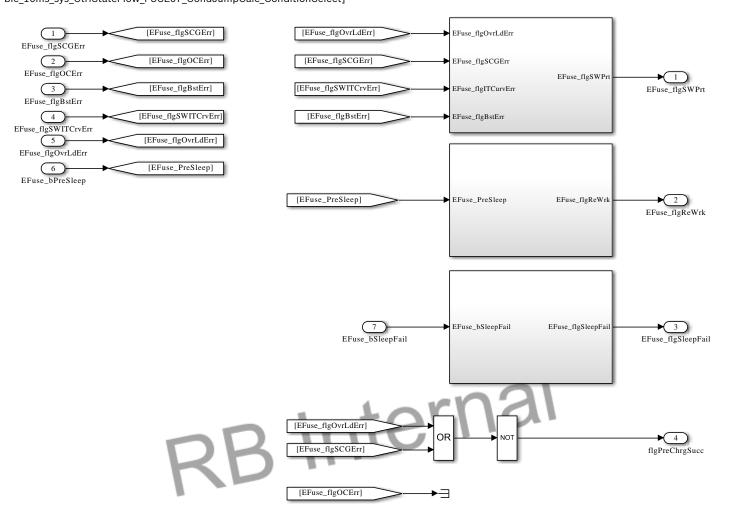


Figure 116 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect\_Subsystem]

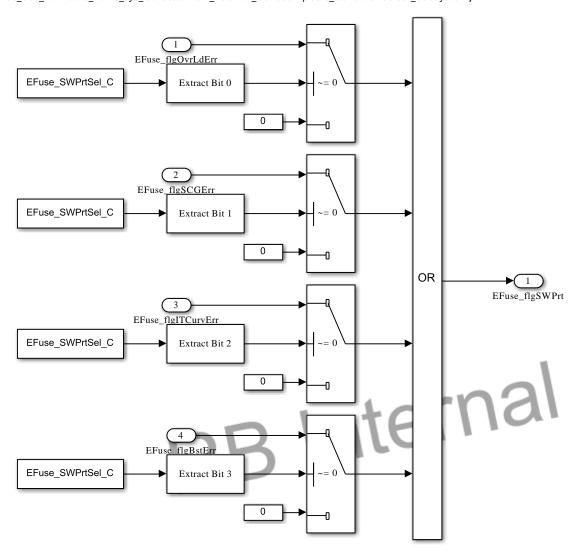


Figure 117 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect\_Subsystem2]

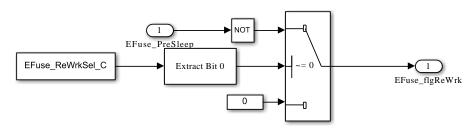
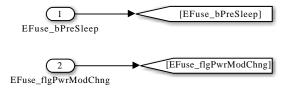


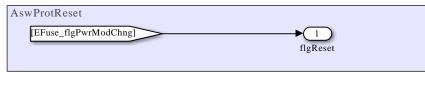
Figure 118 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 119 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_PlantformCondition]





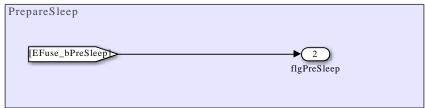


Figure 120 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem]

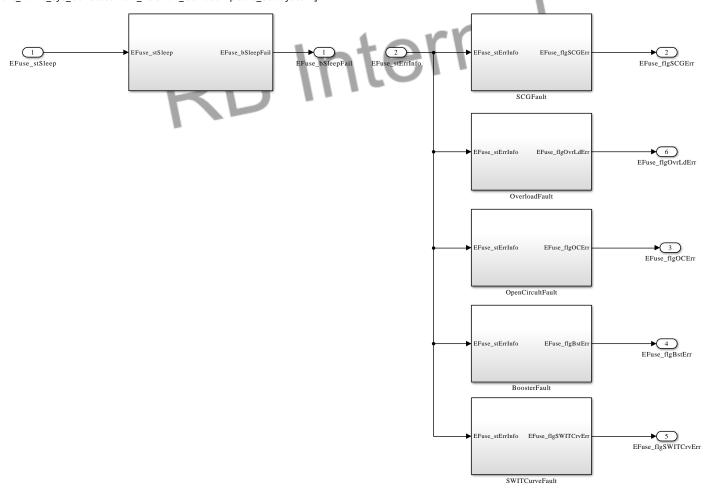


Figure 121 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_BoosterFault]

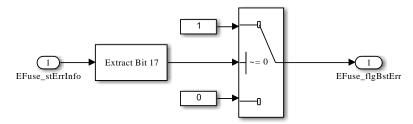


Figure 122 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_OpenCircultFault]

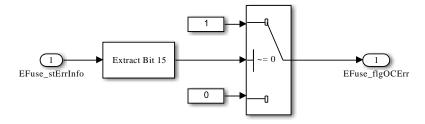


Figure 123 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_OverloadFault]

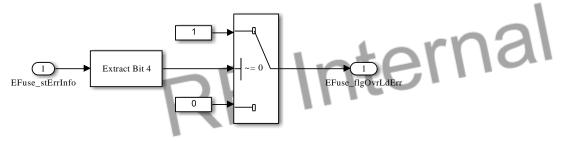


Figure 124 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_SCGFault]

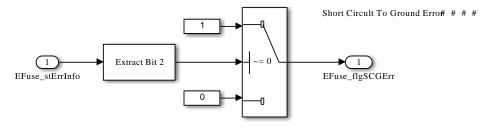


Figure 125 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_SWITCurveFault]

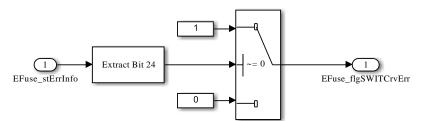




Figure 126 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CondJumpCalc\_Subsystem]

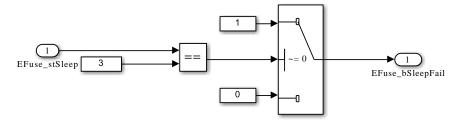


Figure 127 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart]

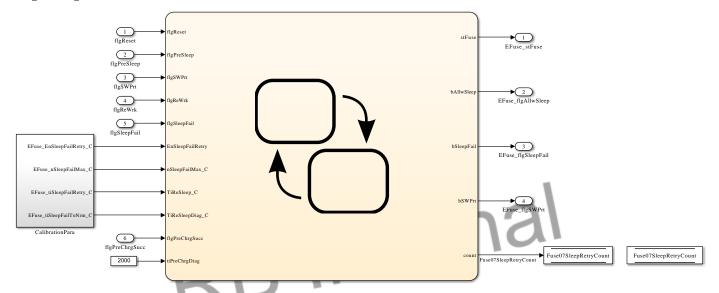


Figure 128 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart\_CalibrationPara]

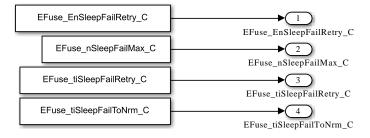


Figure 129 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart\_Chart]

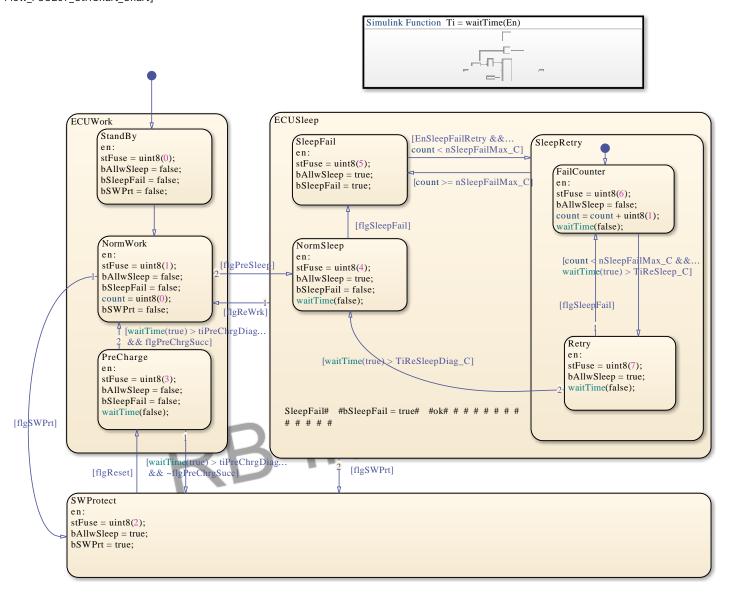


Figure 130 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE07\_CtrlChart\_waitTime]

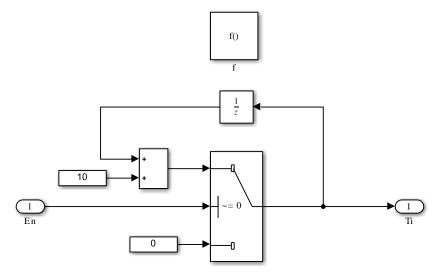




Figure 131 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08]



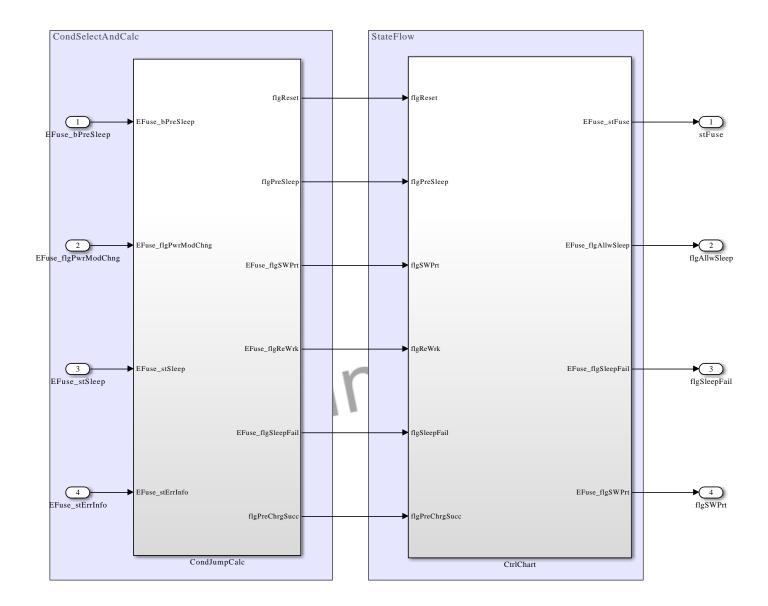




Figure 132 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc]



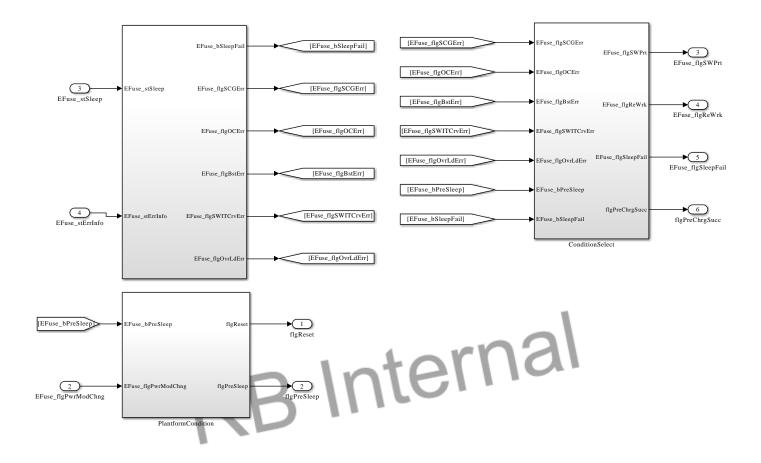




Figure 133 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect]

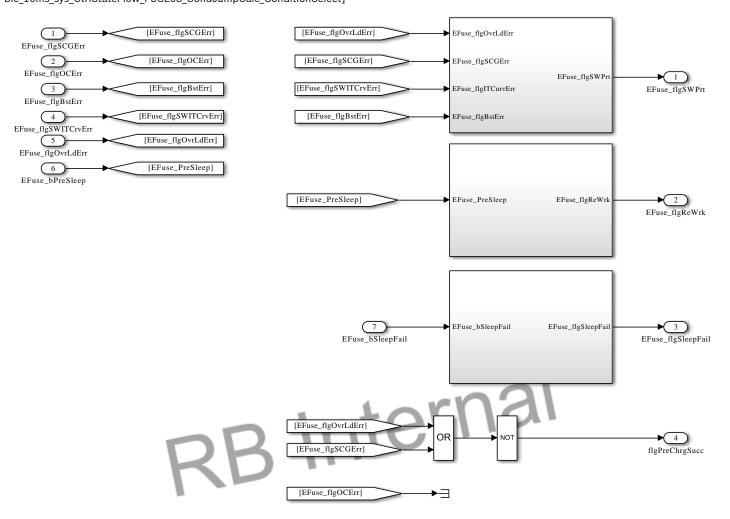


Figure 134 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect\_Subsystem]

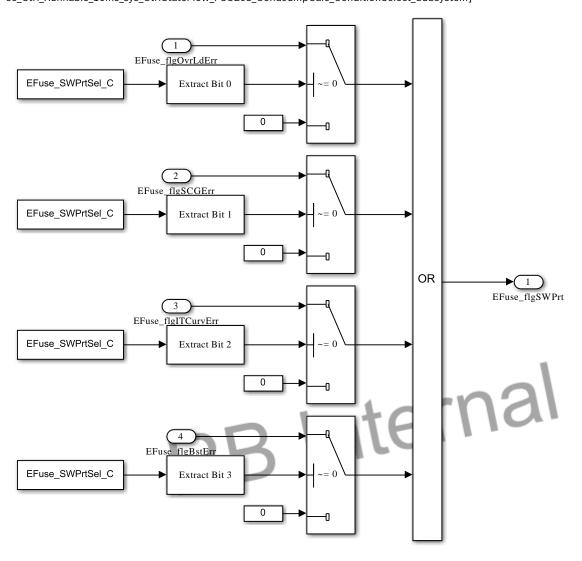


Figure 135 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect\_Subsystem2]

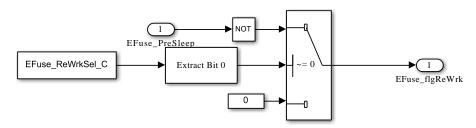
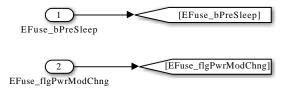


Figure 136 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 137 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_PlantformCondition]



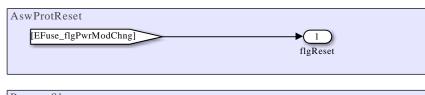




Figure 138 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem]

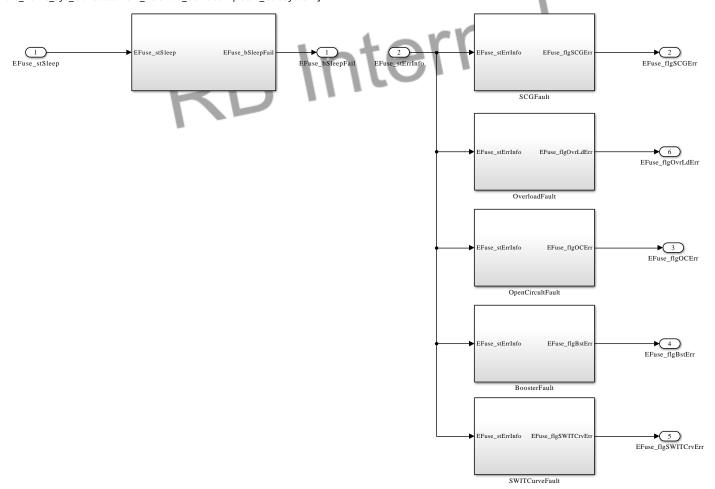


Figure 139 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_BoosterFault]

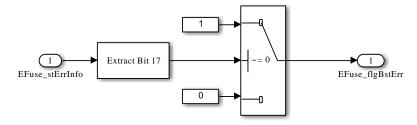


Figure 140 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_OpenCircultFault]

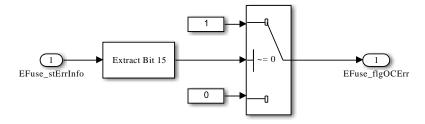


Figure 141 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_OverloadFault]

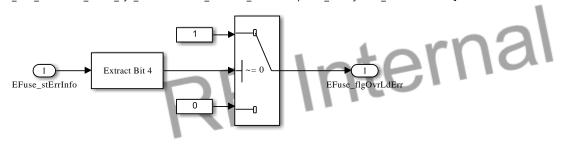


Figure 142 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_SCGFault]

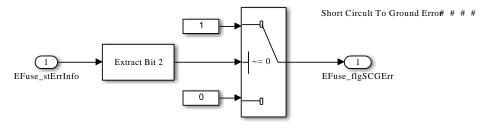


Figure 143 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_SWITCurveFault]

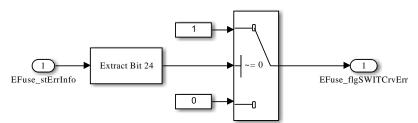




Figure 144 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CondJumpCalc\_Subsystem]

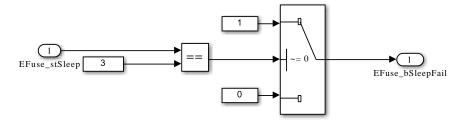


Figure 145 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart]

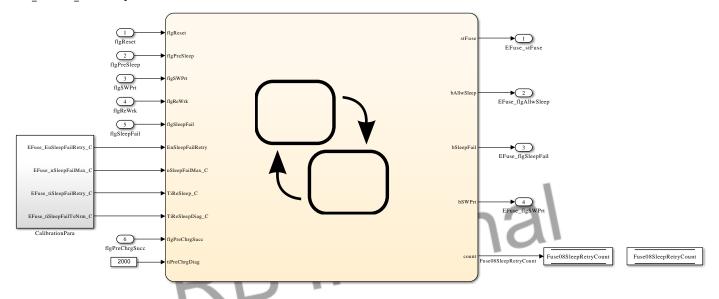


Figure 146 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart\_CalibrationPara]

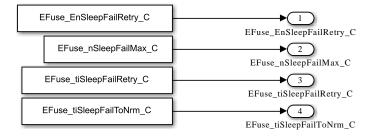




Figure 147 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart\_Chart]

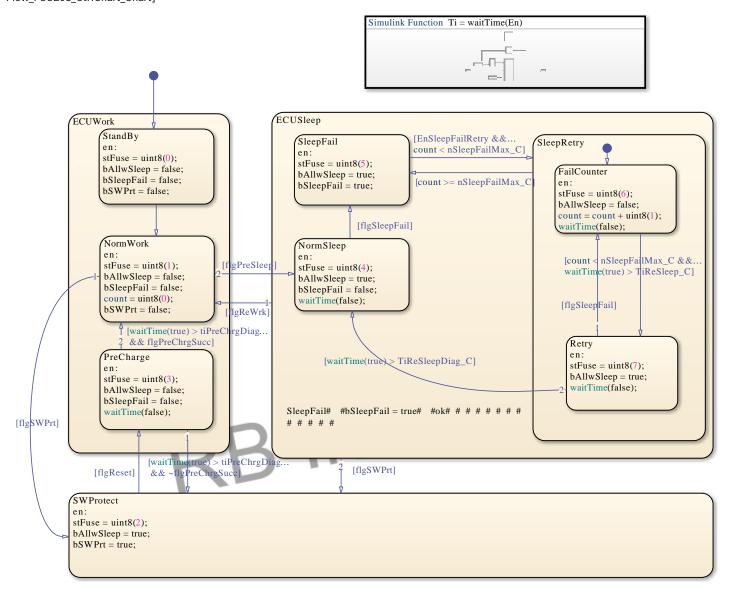
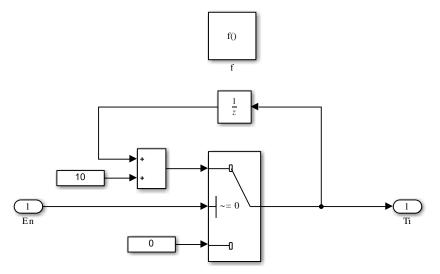


Figure 148 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE08\_CtrlChart\_waitTime]





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Figure 149 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09]



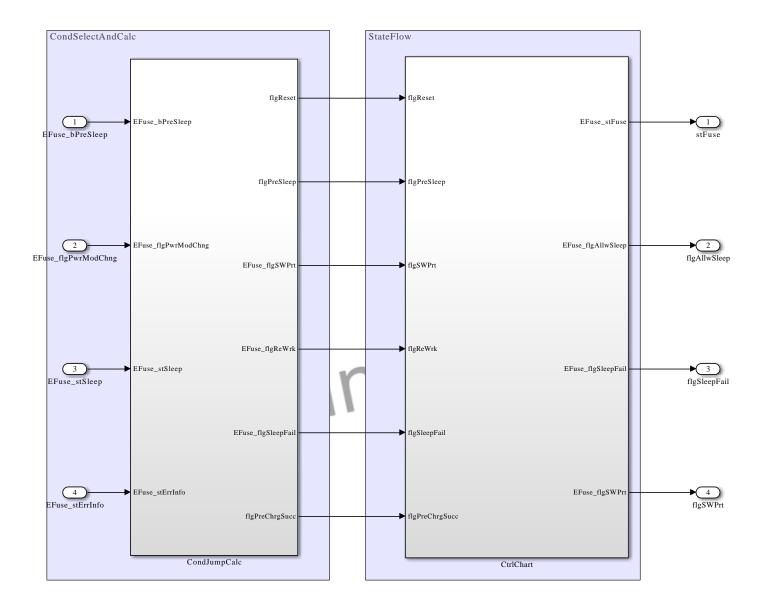




Figure 150 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc]



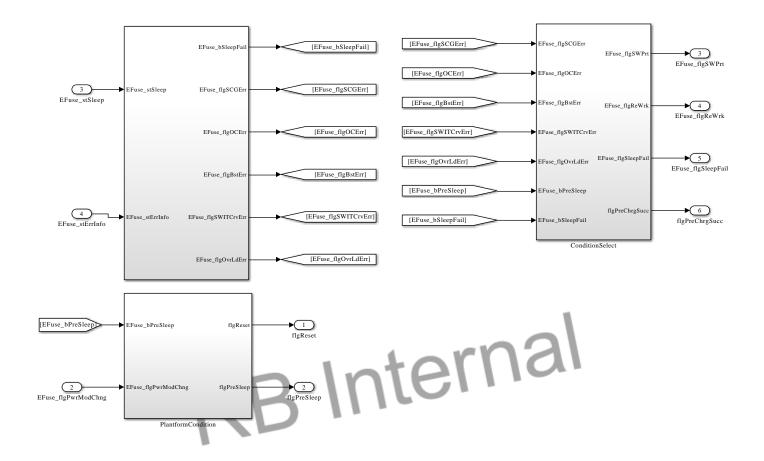


Figure 151 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect]

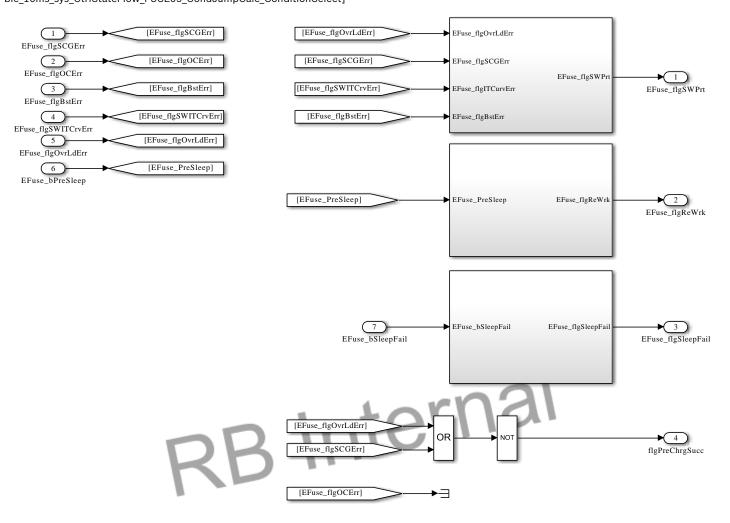


Figure 152 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect\_Subsystem]

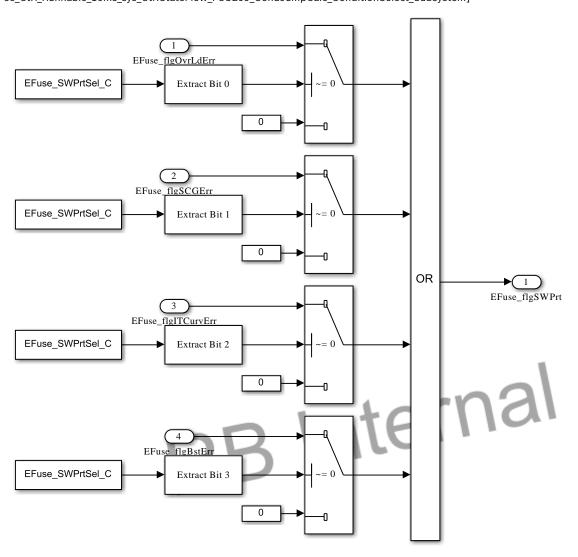


Figure 153 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect\_Subsystem2 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect\_Subsystem2]

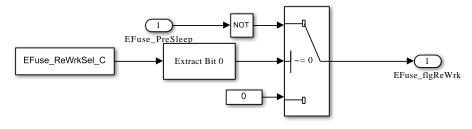
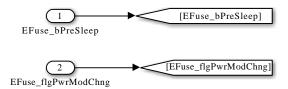


Figure 154 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect\_Subsystem3 [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_ConditionSelect\_Subsystem3]





Figure 155 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_PlantformCondition [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_PlantformCondition]



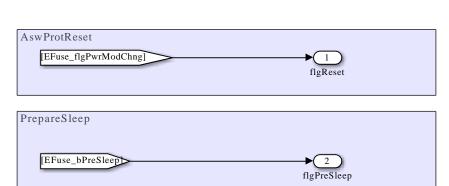


Figure 156 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem]

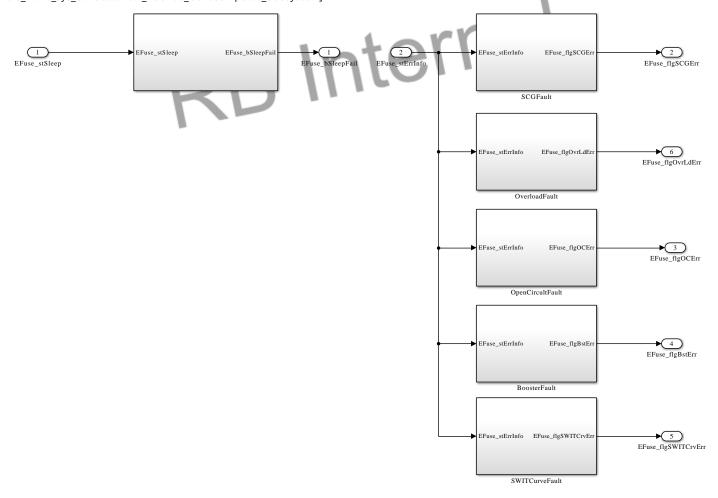


Figure 157 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_BoosterFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_BoosterFault]

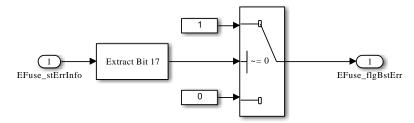


Figure 158 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_OpenCircultFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_OpenCircultFault]

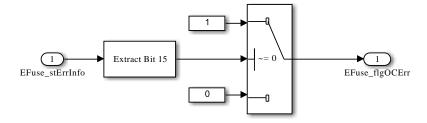


Figure 159 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_OverloadFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_OverloadFault]

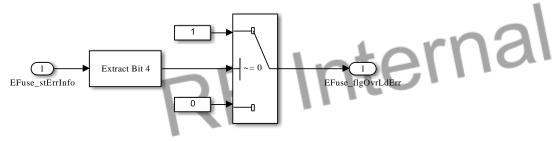


Figure 160 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_SCGFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_SCGFault]

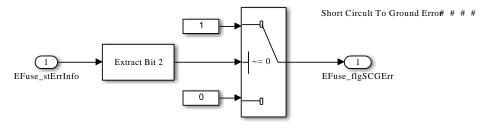


Figure 161 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_SWITCurveFault [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_SWITCurveFault]

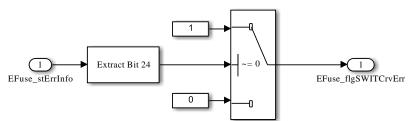




Figure 162 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem\_Subsystem [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CondJumpCalc\_Subsystem]

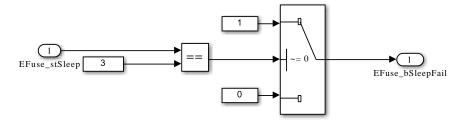


Figure 163 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart]

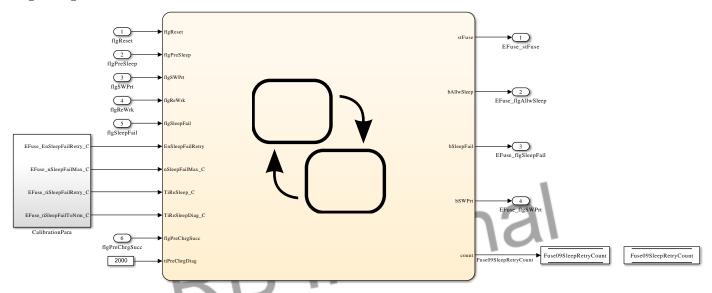


Figure 164 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart\_CalibrationPara [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart\_CalibrationPara]

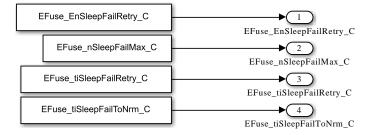




Figure 165 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart\_Chart [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart\_Chart]

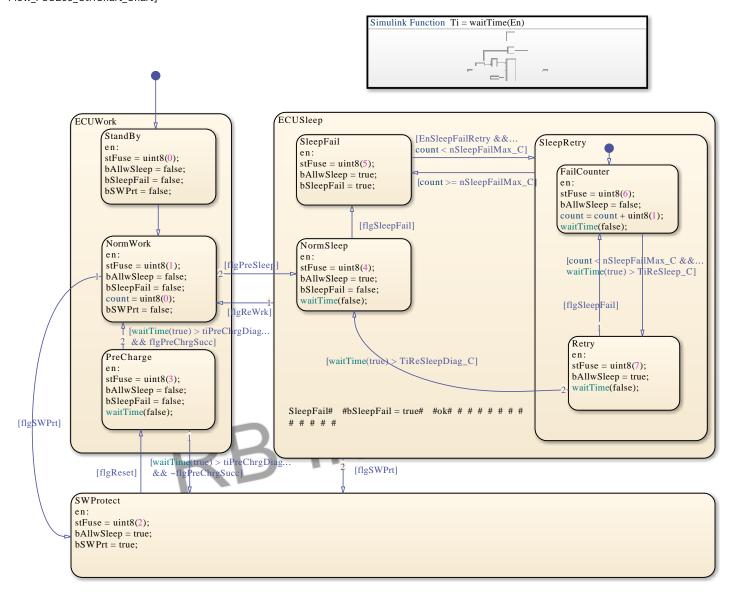


Figure 166 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart\_Chart\_waitTime [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_CtrlStateFlow\_FUSE09\_CtrlChart\_Chart\_waitTime]

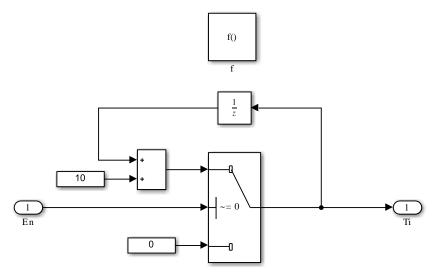




Figure 167 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_ErrInfoReceive [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_ErrInfoReceive]

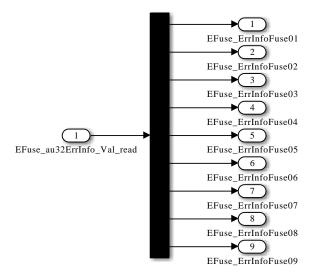






Figure 168 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_FuseChUseInfo [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_FuseChUseInfo]

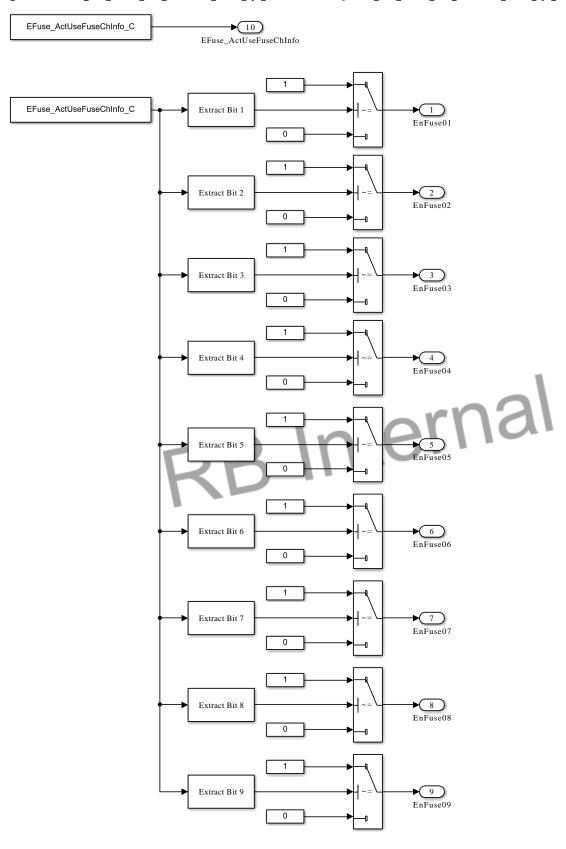




Figure 169 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_SleepInfo [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_SleepInfo]

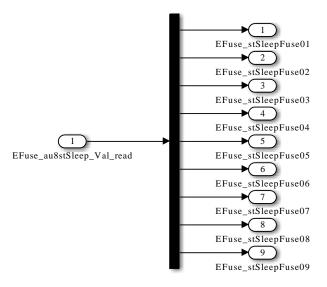


Figure 170 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_stFuseSend [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_10ms\_sys\_stFuseSend]



Figure 171 EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_Init [EFuse\_Ctrl\_EFuse\_Ctrl\_Runnable\_Init]



Table 1 Data Types for port interfaces [PortInterfaceDataTypes]

| Port                   | AccessMode      | Interface              | DE  | Datatype |
|------------------------|-----------------|------------------------|-----|----------|
| EFuse_au32ErrInfo      | ImplicitReceive | EFuse_au32ErrInfo      | Val | uint32   |
| EFuse_au8stSleep       | ImplicitReceive | EFuse_au8stSleep       | Val | uint8    |
| EFuse_flgPreSleep      | ImplicitReceive | EFuse_flgPreSleep      | Val | boolean  |
| EFuse_flgPwrModChng    | ImplicitReceive | EFuse_flgPwrModChng    | Val | boolean  |
| EFuse_au8stFuse        | ImplicitSend    | EFuse_au8stFuse        | Val | uint8    |
| EFuse_flgAllwSleep     | ImplicitSend    | EFuse_flgAllwSleep     | Val | boolean  |
| EFuse_ActUseFuseChInfo | ImplicitSend    | EFuse_ActUseFuseChInfo | Val | uint32   |



# 3 System Constants - Parameters - Variables - Structures

#### 3.1 Parameters

Table 2 **EFuse\_Ctrl** Autosar Parameters: overview

| Name                     | Detailed name | Mode | Туре  | Defined in |
|--------------------------|---------------|------|-------|------------|
| EFuse_ActUseFuseChInfo_C |               |      | VALUE | EFuse_Ctrl |
| EFuse_EnSleepFailRetry_C |               |      | VALUE | EFuse_Ctrl |
| EFuse_nSleepFailMax_C    |               |      | VALUE | EFuse_Ctrl |
| EFuse_ReWrkSel_C         |               |      | VALUE | EFuse_Ctrl |
| EFuse_SWPrtSel_C         |               |      | VALUE | EFuse_Ctrl |
| EFuse_tiSleepFailRetry_C |               |      | VALUE | EFuse_Ctrl |
| EFuse_tiSleepFailToNrm_C |               |      | VALUE | EFuse_Ctrl |

Table 3 EFuse\_Ctrl Autosar Parameters: details

| Name                          | Value ran-<br>ge coded<br>Value range phys | Quantisation | Conversion | Data type  | MaxSst | X-Input<br>X-Axis points | Y-Input<br>Y-Axis points |
|-------------------------------|--|--------------|------------|------------|--------|--------------------------|--------------------------|
| EFuse_ActUseFu-<br>seChInfo_C |  |              |            |            |        |                          |                          |
| EFuse_EnSleep-<br>FailRetry_C |  |              |            |            |        |                          |                          |
| EFuse_nSleep-<br>FailMax_C    |  |              |            |            | 1      | l                        |                          |
| EFuse_ReWr-<br>kSel_C         |  |              | -          | LOY        | na     | 1                        |                          |
| EFuse_SWPr-<br>tSel_C         | -  | 1D           | In         | <i>tei</i> | 110    |                          |                          |
| EFuse_tiSleep-<br>FailRetry_C | - 1  | 人口           | 11.        |            |        |                          |                          |
| EFuse_tiSleep-<br>FailToNrm_C | ,  |              |            |            |        |                          |                          |

# 3.2 Variables

Table 4 EFuse\_Ctrl Autosar Variables: overview

| Name                             | Detailed name | Mode | Туре  | Defined in |
|----------------------------------|---------------|------|-------|------------|
| EFuse_C_Fuse01SleepRetry-Count_f |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse02SleepRetry-Count_i |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse03SleepRetry-Count_k |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse04SleepRetry-Count_c |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse05SleepRetry-Count_c |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse06SleepRetry-Count_n |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse07SleepRetry-Count_p |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse08SleepRetry-Count_I |               |      | VALUE | EFuse_Ctrl |
| EFuse_C_Fuse09SleepRetry-Count_i |               |      | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse01SleepRe-tryCount |               |      | VALUE | EFuse_Ctrl |



| Name                                 | Detailed name | Mode  | Туре  | Defined in |
|--------------------------------------|---------------|-------|-------|------------|
| EFuse_Ctr_Fuse02SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse03SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse04SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse05SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse06SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse07SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse08SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctr_Fuse09SleepRe-<br>tryCount |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse01                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse02                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse03                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse04                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse05                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse06                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse07                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse08                  |               | - 1.0 | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_EnFuse09                  |               | INTE  | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep01            | DK            | HHC   | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep02            | KD            | 11.   | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep03            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep04            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep05            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep06            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep07            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep08            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_flgAllwSleep09            |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse01                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse02                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse03                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse04                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse05                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse06                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse07                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse08                  |               |       | VALUE | EFuse_Ctrl |
| EFuse_Ctrl_stFuse09                  |               |       | VALUE | EFuse_Ctrl |

Table 5 **EFuse\_Ctrl** Autosar Variables: details

| Name                                      | lmpl. type | Value range coded<br>Value range phys | Quantisation | Conversion<br>Bit base (BB) | Data type<br>BB type | Ele#<br>Bit# | AddrMethod<br>Bit pos. |
|---|------------|---------------------------------------|--------------|-----------------------------|----------------------|--------------|------------------------|
| EFuse_C_Fu-<br>se01SleepRetry-<br>Count_f | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se02SleepRetry-<br>Count_i | STANDARD   |                                       |              |                             |                      |              |                        |



| Name                                      | Impl. type | Value range coded<br>Value range phys | Quantisation | Conversion<br>Bit base (BB) | Data type<br>BB type | Ele#<br>Bit# | AddrMethod<br>Bit pos. |
|---|------------|---------------------------------------|--------------|-----------------------------|----------------------|--------------|------------------------|
| EFuse_C_Fu-<br>se03SleepRetry-<br>Count_k | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se04SleepRetry-<br>Count_c | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se05SleepRetry-<br>Count_c | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se06SleepRetry-<br>Count_n | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se07SleepRetry-<br>Count_p | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se08SleepRetry-<br>Count_I | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_C_Fu-<br>se09SleepRetry-<br>Count_i | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se01SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se02SleepRetry-<br>Count | STANDARD   |                                       | 1.0          | tar                         | na                   | 1            |                        |
| EFuse_Ctr_Fu-<br>se03SleepRetry-<br>Count | STANDARD   | 2B                                    | 111          | COI                         |                      |              |                        |
| EFuse_Ctr_Fu-<br>se04SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se05SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se06SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se07SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se08SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctr_Fu-<br>se09SleepRetry-<br>Count | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-<br>se01                  | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-se02                      | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-se03                      | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-se04                      | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-<br>se05                  | STANDARD   |                                       |              |                             |                      |              |                        |



| Name                           | Impl. type | Value range coded<br>Value range phys | Quantisation | Conversion<br>Bit base (BB) | Data type<br>BB type | Ele#<br>Bit# | AddrMethod<br>Bit pos. |
|--------------------------------|------------|---------------------------------------|--------------|-----------------------------|----------------------|--------------|------------------------|
| EFuse_Ctrl_EnFu-<br>se06       | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-se07           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-se08           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_EnFu-se09           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep01 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep02 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep03 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep04 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep05 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep06 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep07 | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep08 | STANDARD   |                                       |              |                             | 2                    | \            |                        |
| EFuse_Ctrl_flgAl-<br>lwSleep09 | STANDARD   | - 5                                   | In           | ter                         | 110                  |              |                        |
| EFuse_Ctrl_stFu-<br>se01       | STANDARD   | 3R                                    | 111          | 10.                         |                      |              |                        |
| EFuse_Ctrl_stFu-se02           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-se03           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-se04           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-se05           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-se06           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-se07           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-se08           | STANDARD   |                                       |              |                             |                      |              |                        |
| EFuse_Ctrl_stFu-<br>se09       | STANDARD   |                                       |              |                             |                      |              |                        |

# **4 Conversion forms**

Table 6 Conversion forms

| Name       | Category  | Unit   | Contents int       |
|------------|-----------|--------|--------------------|
| CM_boolean | 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 | Туре  |
|-------------------|----------|-------------|-------|
| EFuse_au32ErrInfo | Val      |             | ARRAY |



| Port                | Variable | Description | Туре  |
|---------------------|----------|-------------|-------|
| EFuse_au8stSleep    | Val      |             | ARRAY |
| EFuse_flgPreSleep   | Val      |             | VALUE |
| EFuse_flgPwrModChng | Val      |             | VALUE |

#### 5.1.2 Outgoing

Table 8 Outgoing

| Port                   | Variable | Description | Туре  |
|------------------------|----------|-------------|-------|
| EFuse_ActUseFuseChInfo | Val      |             | VALUE |
| EFuse_au8stFuse        | Val      |             | ARRAY |
| EFuse_flgAllwSleep     | Val      |             | VALUE |



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# **II Production Note**

Table 9 Configuration chosen for DocuNG

| Parameter                                | Value                       |
|--|-----------------------------|
| User                                     |                             |
| Project Name                             | EFuse_Ctrl                  |
| 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     | true                        |
| 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                       |
| ЕНВ                                      | false                       |

# Table 10 Version Information

| Program Module | Version           |
|----------------|-------------------|
| Product        | AEEE-Pro 2020.1.2 |