

EFuse\_DD | 2022-10-14

# EFuse\_DD

[COMP]

RB Internal

# I [EFuse\_DD ]

## 1 Function Definition

### 1.1 Purpose

EFuse Function developpe introduction

### 1.2 Introduction

GAC ZCU Project Common EFuse Function:EFuse\_DD

## 2 Function Description

### 2.1 Behavior in normal mode

Figure 1 EFuse\_DD [EFuse\_DD]

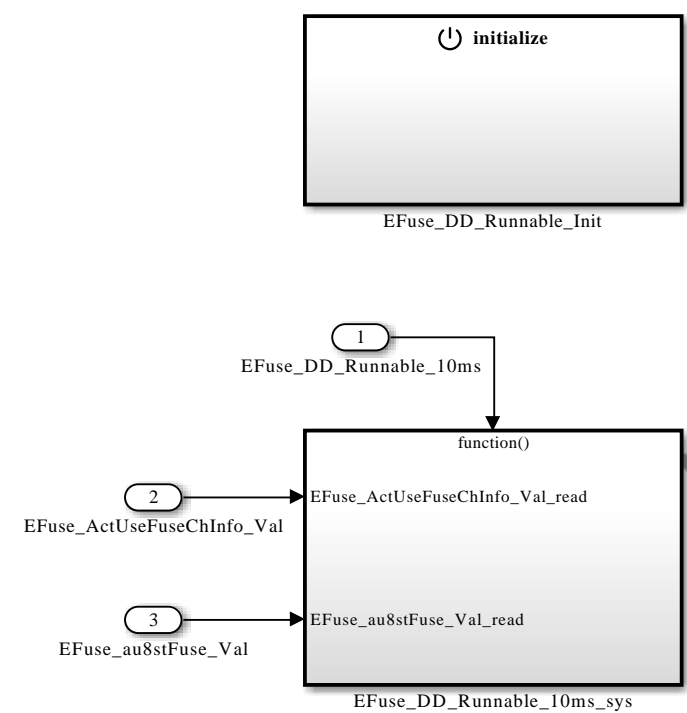


Figure 2 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys]

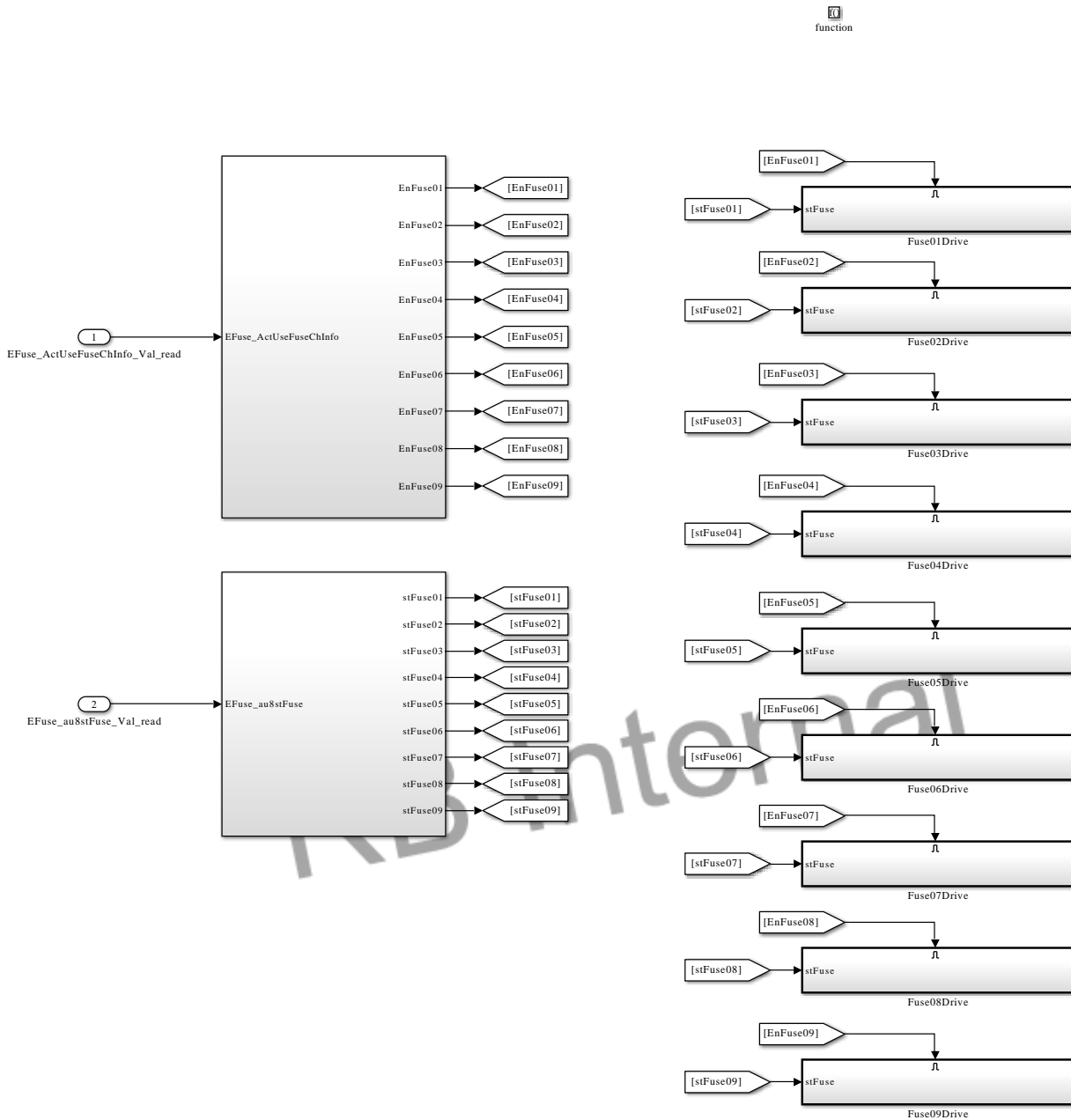


Figure 3 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse01Drive [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse01Drive]

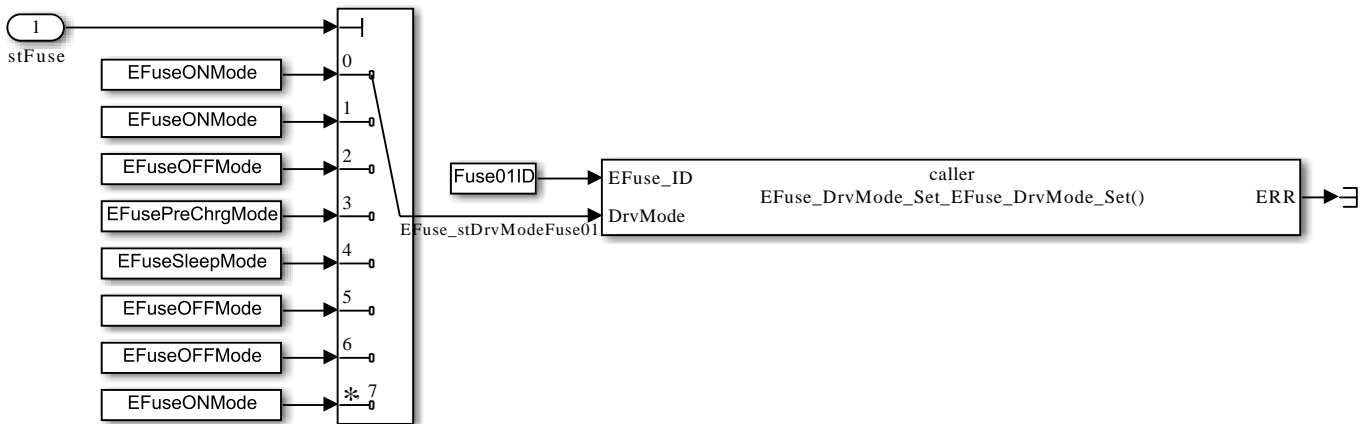


Figure 4 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse02Drive [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse02Drive]

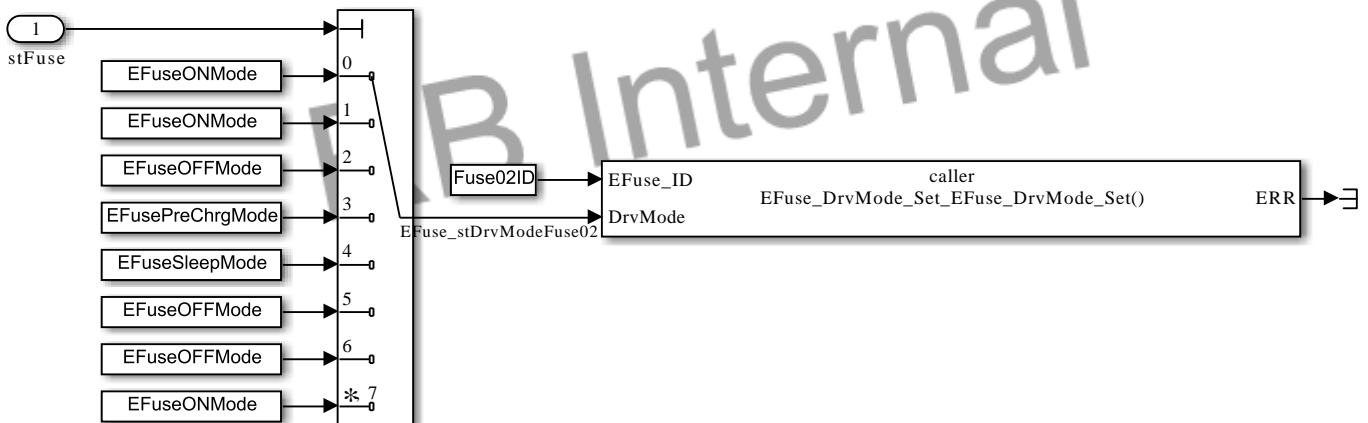


Figure 5 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse03Drive [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse03Drive]

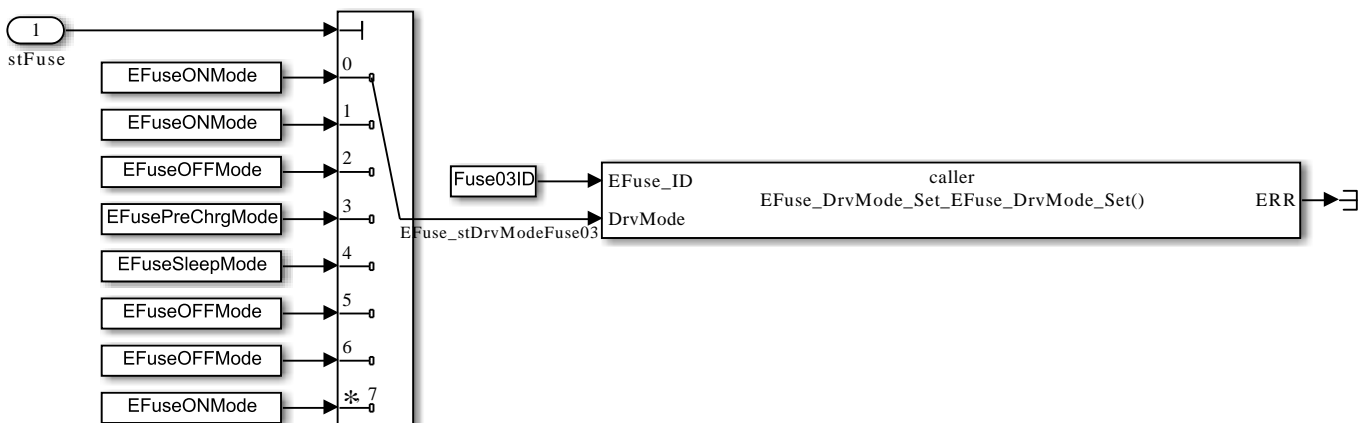


Figure 6 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse04Drive [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse04Drive]

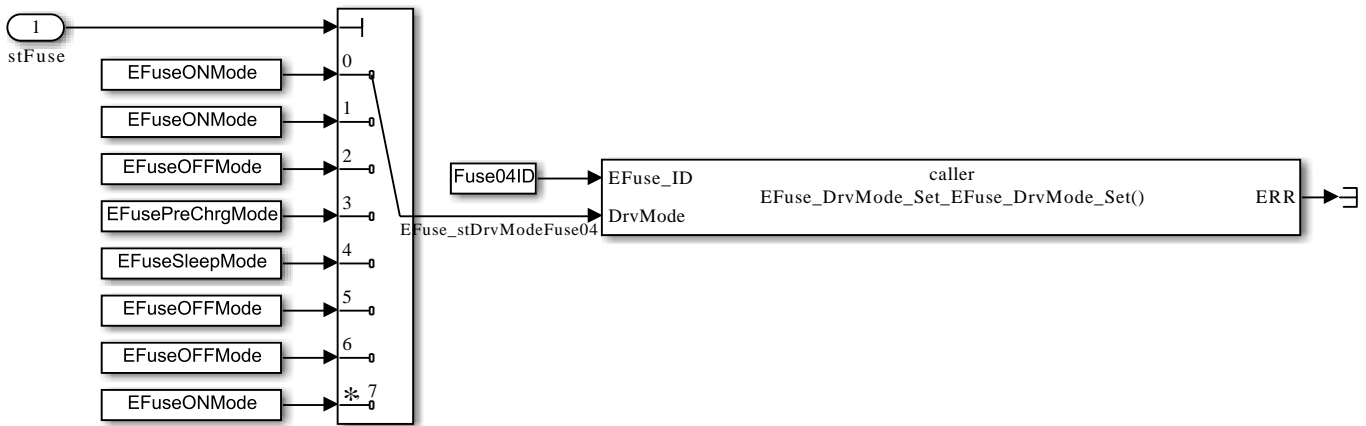


Figure 7 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse05Drive [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse05Drive]

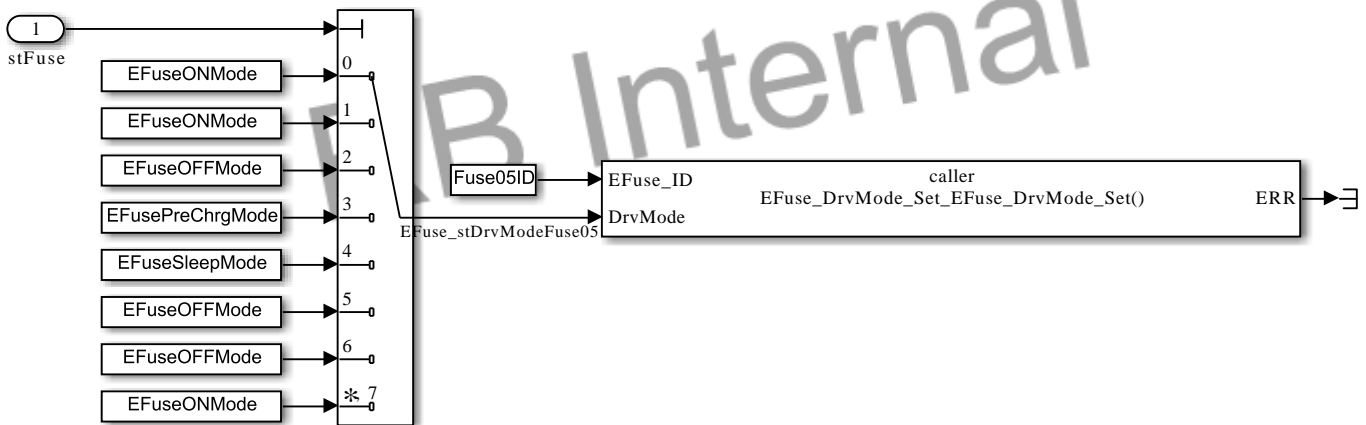


Figure 8 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse06Drive [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Fuse06Drive]

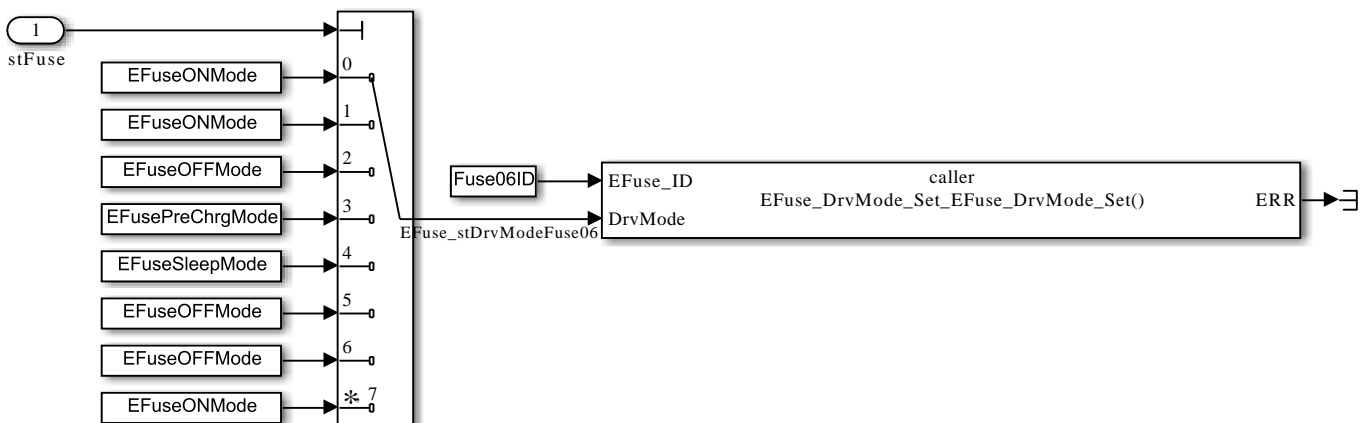




Figure 12 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Subsystem [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Subsystem]

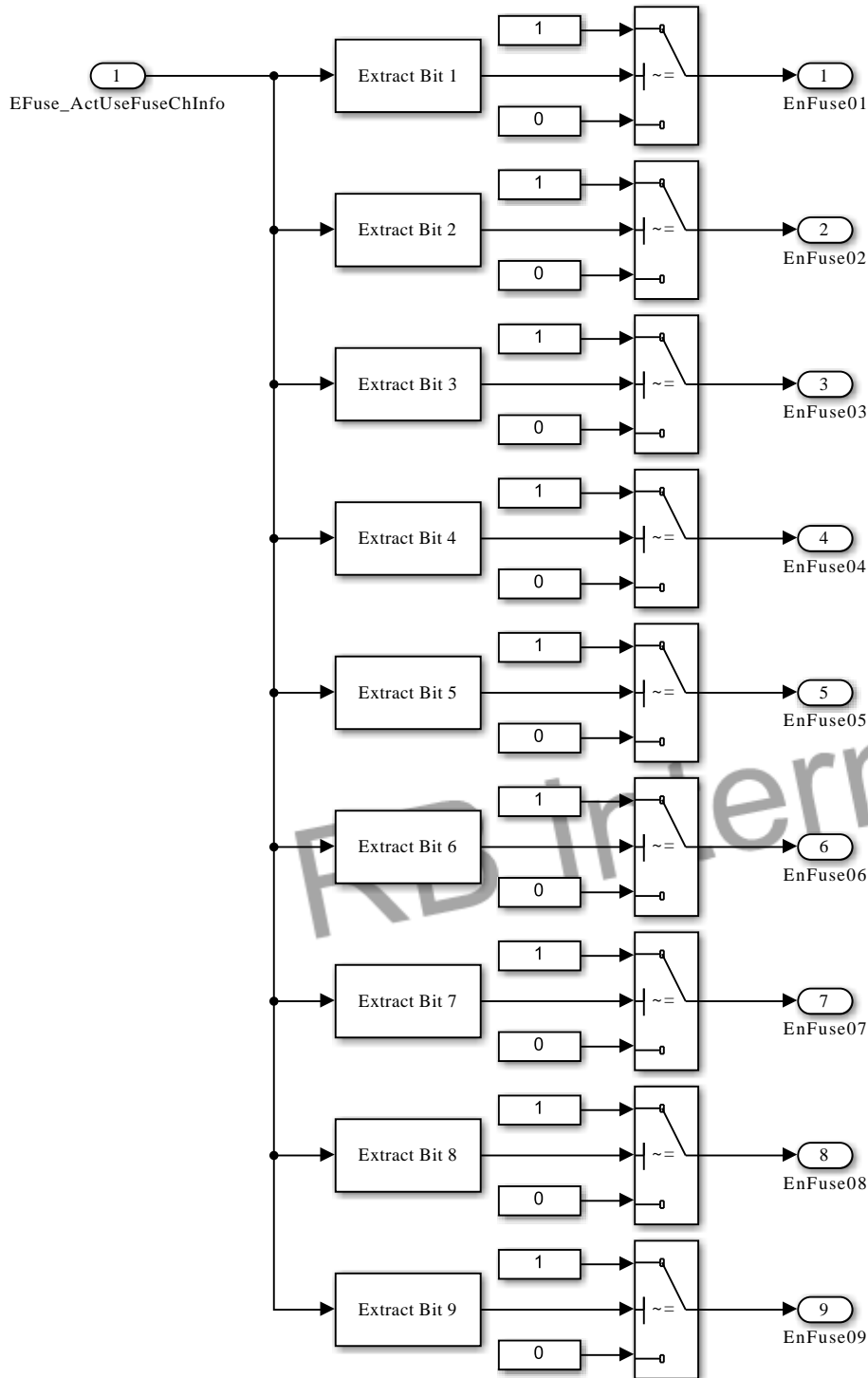


Figure 13 EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Subsystem2 [EFuse\_DD\_EFuse\_DD\_Runnable\_10ms\_sys\_Subsystem2]

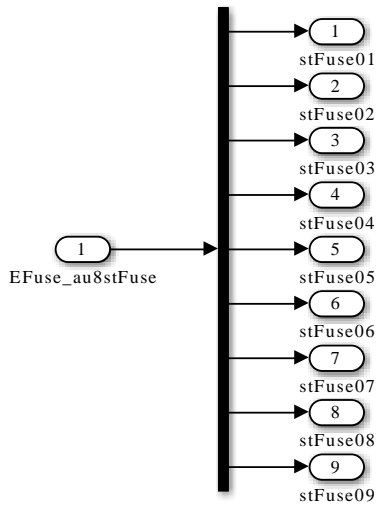


Figure 14 EFuse\_DD\_EFuse\_DD\_Runnable\_Init [EFuse\_DD\_EFuse\_DD\_Runnable\_Init]



Table 1 Data Types for port interfaces [PortInterfaceDataTypes]

Port	AccessMode	Interface	DE	Datatype
EFuse_ActUseFuseChInfo	ImplicitReceive	EFuse_ActUseFuseChInfo	Val	uint32
EFuse_au8stFuse	ImplicitReceive	EFuse_au8stFuse	Val	uint8

### 3 System Constants - Parameters - Variables - Structures

#### 3.1 Variables

Table 2 EFuse\_DD Autosar Variables: overview

Name	Detailed name	Mode	Type	Defined in
EFuse_DD_EFuse_stDrvModeFuse01			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse02			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse03			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse04			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse05			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse06			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse07			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse08			VALUE	EFuse_DD
EFuse_DD_EFuse_stDrvModeFuse09			VALUE	EFuse_DD

Table 3 EFuse\_DD Autosar Variables: details

Name	Impl. type	Value range coded Value range phys	Quantisation	Conversion Bit base (BB)	Data type BB type	Ele# Bit#	AddrMethod Bit pos.
EFuse_DD_EFuse_stDrvModeFuse01	STANDARD						



Name	Impl. type	Value range coded Value range phys	Quantisation	Conversion Bit base (BB)	Data type BB type	Ele# Bit#	AddrMethod Bit pos.
EFuse_DD_EFuse_stDrvModeFuse02	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse03	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse04	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse05	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse06	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse07	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse08	STANDARD						
EFuse_DD_EFuse_stDrvModeFuse09	STANDARD						

## 4 Ports and Interfaces

### 4.1 Sender Receiver Interface and Ports

#### 4.1.1 Incoming

Table 4 Incoming

Port	Variable	Description	Type
EFuse_ActUseFuseChInfo	Val		VALUE
EFuse_au8stFuse	Val		ARRAY

### 4.2 Client Server Interface

#### 4.2.1 Incoming

Table 5 Incoming

Port	Description
EFuse_DrvMode_Set	

## II Production Note

Table 6 Configuration chosen for DocuNG

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

Table 7 Version Information

Program Module	Version
Product	AEEE-Pro 2020.1.2