

Project Configuration Report

rcp-uart-802154_3

Target Device:

Target Part: EFR32MG1B232F256GM48

Boards:

Target SDK

Gecko SDK Suite v4.4.3: Amazon 202012.00, Bluetooth 7.1.1, Bluetooth Mesh 6.1.1, EmberZNet 7.4.3.0, Flex 3.7.3.0, MCU 6.6.3.0, Micrium OS Kernel 5.14.00, OpenThread 2.4.3.0 (GitHub-7074a43e4), Platform 4.4.3.0, Sidewalk 2.0.1, Silicon Labs Matter 2.2.2-1.2, USB 1.2.2.0, Wi-Fi SDK 3.2.0, Wi-SUN 1.10.1.0, Z-Wave SDK 7.21.3.0
SDK Version: 4.4.3

Extensions

- Silicon Labs Matter 2.2.2
- Sidewalk 2.0.1
- WiSeConnect 3 3.2.0

Project Generators

- Simplicity IDE Project

Installed Software Components:

- OpenThread

Crash Handler

Sources: faults.s, diagnostic.c, crash_handler.c

Configurable: false

Green Power Interface (RCP)

Sources: sl_rcp_gp_interface.c

Configurable: true

Configs: sl_rcp_gp_interface_config.h

NCP CPC

Sources: ncp_cpc.cpp

Configurable: false

Stack (RCP)

Configurable: true

Configs: sl_openthread_features_config.h, sl_openthread_generic_config.h

• Platform

- Bootloader

Bootloader Application Interface

Sources: btl_interface_ns.c, btl_interface_storage.c, btl_interface.c, btl_interface_nsc.c

Configurable: true

Configs: btl_interface_cfg_s2c4.h, btl_interface_cfg.h, btl_interface_cfg_s2c1.h, btl_interface_cfg_s2c2.h, btl_interface_cfg_s2c3.h

- Device

• EFR32MG1B

EFR32MG1B232F256GM48

Sources: startup_efr32mg1b.c, system_efr32mg1b.c

Configurable: true

Configs: device.yaml

- Radio

RAIL Utility, PTI

Sources: sl_rail_util_pti.c

Configurable: true

Configs: sl_rail_util_pti_config.h

• Services

- Co-Processor Communication

• Secondary Device

• Driver

CPC Secondary - UART (USART)

Sources: sl_cpc_drv_uart.c

Configurable: true

Configs: sl_cpc_drv_uart_usart_vcom_config.h

Pins:

Pin #	Pin Name	Function	Custom Pin Name	Software Component
25	PA0			
26	PA1			
27	PA2			
28	PA3			
29	PA4			
30	PA5			
31	PB11			
32	PB12			
33	PB13			
35	PB14			
36	PB15			
47	PC10			

48	PC11			
43	PC6			
44	PC7			
45	PC8			
46	PC9			
19	PD10			
20	PD11			
21	PD12			
22	PD13			
23	PD14			
24	PD15			
1	PF0			
2	PF1			
3	PF2			
4	PF3			
5	PF4			
6	PF5			
7	PF6			
8	PF7			

Peripherals:

Peripheral	Software Component	Custom Peripheral Name
ACMP0		
ACMP1		
ADC0		
CMU		
DBG		
GPIO		
I2C0		
IDAC0		
LETIMER0		
LEUART0		
LFXO		
MODEM		
PCNT0		
PRS Channel CH0	RAIL Utility, Coexistence	
PRS Channel CH1	RAIL Utility, Coexistence	
PRS Channel CH2	RAIL Utility, Coexistence	
PRS Channel CH3	RAIL Utility, Coexistence	
PRS Channel CH4	RAIL Utility, Coexistence	
PRS Channel CH5	RAIL Utility, Coexistence	
PRS Channel CH6	RAIL Utility, Coexistence	
PRS Channel CH7	RAIL Utility, Coexistence	
PRS Channel CH8	RAIL Utility, Coexistence	
PRS Channel CH9	RAIL Utility, Coexistence	
PRS Channel CH10	RAIL Utility, Coexistence	
PRS Channel CH11	RAIL Utility, Coexistence	
PTI	RAIL Utility, PTI	
TIMER0	RAIL Utility, Coexistence	

TIMER1	RAIL Utility, Coexistence	
USART0	CPC Secondary - UART (USART) (vcom)	
USART1	CPC Secondary - UART (USART) (vcom)	