

# Project Configuration Report

## bt-remote-Redesign

### Target Device:

Target Part: EFR32BG22C222F352GN32

Boards:

### Target SDK

Gecko SDK Suite v4.4.6: Amazon 202012.00, Bluetooth 7.3.0, Bluetooth Mesh 6.1.4, EmberZNet 7.5.0.0, Flex 3.7.6.0, MCU 6.6.6.0, Micrium OS Kernel 5.14.00, OpenThread 2.4.6.0 (GitHub-bdb394eb3), Platform 4.4.6.0, USB 1.2.3.0, Wi-SUN 1.10.4.0, Z-Wave SDK 7.21.6.0  
SDK Version: 4.4.6

### Project Generators

- Simplicity IDE Project

### Installed Software Components:

- Application

- *Utility*

- Assert**

- Configurable: true

- Configs: app\_assert\_config.h

- Button Press**

- Sources: app\_button\_press.c

- Configurable: true

- Configs: app\_button\_press\_config.h

- Log**

- Sources: app\_log.c

- Configurable: true

- Configs: app\_log\_config.h

- Bluetooth

- *Application*

- Firmware Update

- In-Place OTA DFU**

- Sources: sl\_bt\_in\_place\_ota\_dfu.c

- Configurable: true

- Configs: in\_place\_ota\_dfu.xml, sl\_bt\_in\_place\_ota\_dfu\_config.h

- GATT Services

**Device Information GATT Service**

Sources: sl\_gatt\_service\_device\_information.c

Configurable: false

**Static GATT Database and Configuration**

Configurable: true

Configs: gatt\_configuration.btconf

- Miscellaneous

**BLE Post Build**

Configurable: false

- *Bluetooth Host (Stack)*

**Bluetooth Core**

Sources: sl\_bt\_stack\_init.c

Configurable: true

Configs: sl\_bluetooth\_config.h

- Features with Commands and Events

**GATT Client**

Configurable: false

**GATT Server**

Configurable: false

**Security Manager**

Configurable: false

**System**

Configurable: false

- *Bluetooth LE Controller (Link Layer)*

- Additional Features

**LE Power Control**

Sources: sl\_bt\_power\_control\_init.c

Configurable: true

Configs: sl\_bt\_power\_control\_config.h

- Features with Commands and Events

**Connection**

Configurable: true

Configs: sl\_bluetooth\_connection\_config.h

**Legacy Advertising**

Configurable: false

**Scanner for legacy advertisements**

Configurable: false

- Platform

- Board

- Board Control**

- Sources: sl\_board\_control\_gpio.c, sl\_board\_control\_stub.c, sl\_board\_init.c

- Configurable: true

- Configs: sl\_board\_control\_config.h

- Board Drivers

- Configuration Over SWO**

- Sources: sl\_cos.c

- Configurable: false

- MX25 Flash Shutdown with usart**

- Sources: sl\_mx25\_flash\_shutdown.c

- Configurable: true

- Configs: sl\_mx25\_flash\_shutdown\_usart\_config.h

- 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

- EFR32BG22

- EFR32BG22C222F352GN32**

- Sources: system\_efr32bg22.c, startup\_efr32bg22.c

- Configurable: true

- Configs: device.yaml

- Driver

- Button

- Simple Button**

- Configurable: true

- Configs: sl\_simple\_button\_btn0\_config.h, sl\_simple\_button\_btn2\_config.h,  
sl\_simple\_button\_btn1\_config.h

- Debug SWO

- SWO Debug**

- Sources: sl\_debug\_swo.c

- Configurable: true

- Configs: sl\_debug\_swo\_config.h

- LED

- Simple LED**

- Configurable: true

- Configs: sl\_simple\_led\_led0\_config.h

- Security

- Memory Protection Unit

- Simple MPU**

- Sources: sl\_mpu.c

- Configurable: false

- Utilities

- Component Catalog**

- Configurable: false

- Services

- IO Stream

- IO Stream: EUSART Core**

- Sources: sl\_iostream\_eusart.c

- Configurable: false

- Driver

- IO Stream: EUSART**

- Configurable: true

- Configs: sl\_iostream\_eusart\_vcom\_config.h

## Pins:

Pin #	Pin Name	Function	Custom Pin Name	Software Component
17	PA00	GPIO mode	led	Simple LED (led0)
18	PA01	GPIO_SWCLK		SWO Debug
19	PA02	GPIO_SWDIO		SWO Debug
20	PA03	GPIO_SWV		SWO Debug
21	PA04	GPIO mode	button2	Simple Button (btn2)
22	PA05	GPIO mode	button1	Simple Button (btn1)
23	PA06	GPIO mode	button0	Simple Button (btn0)
16	PB00			
15	PB01			
14	PB02			
1	PC00			
2	PC01			
3	PC02	EUSART0_TX		IO Stream: EUSART (vcom)
4	PC03	EUSART0_RX		IO Stream: EUSART (vcom)
5	PC04			
6	PC05			

32	PD00			
31	PD01			

## Peripherals:

Peripheral	Software Component	Custom Peripheral Name
CMU		
EUART0	IO Stream: EUSART (vcom)	
GPIO	SWO Debug	
I2C0		
I2C1		
IADC0		
LETIMER0		
LFXO		
MODEM		
PDM		
PRS Channel ASYNCH0		
PRS Channel ASYNCH1		
PRS Channel ASYNCH10		
PRS Channel ASYNCH11		
PRS Channel ASYNCH2		
PRS Channel ASYNCH3		
PRS Channel ASYNCH4		
PRS Channel ASYNCH5		
PRS Channel ASYNCH6		
PRS Channel ASYNCH7		
PRS Channel ASYNCH8		
PRS Channel ASYNCH9		
PRS Channel SYNCH0		
PRS Channel SYNCH1		
PRS Channel SYNCH2		
PRS Channel SYNCH3		
PTI		
TIMER0		
TIMER1		
TIMER2		
TIMER3		
TIMER4		
USART0		
USART1		