Project Configuration Report
bt-spc5x-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)
  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	
18	PA01	GPIO_SWCLK		SWO Debug
19	PA02	GPIO_SWDIO		SWO Debug
20	PA03	GPIO_SWV		SWO Debug
21	PA04	GPIO mode	button2	
22	PA05	GPIO mode	button1	
23	PA06	GPIO mode	button0	
16	PB00			
15	PB01			
14	PB02			
1	PC00			
2	PC01			
3	PC02	EUART0_TX		IO Stream: EUSART (vcom)
4	PC03	EUART0_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		