

Main.c :

Main()

Board_init()

↔ CC2640R2DK_5XD_initGeneral()

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Power_init()

PIN_init(BoardGpioInitTable)

```
{ CC2640R2DK_5XD_PIN_LED1,
```

CC2640R2DK_5XD_PIN_LED2,

CC2640R2DK_5XD_PIN_LED3,

CC2640R2DK_5XD_PIN_RELAY,

CC2640R2DK_5XD_PIN_HGM,

CC2640R2DK_5XD_PIN_SWITCH,

CC2640R2DK_5XD_UART_TX

```
PIN_TERMINATE };
```

GPIO_init()

```
GPIO_write(Board_GPIO_LED_B, 0);
```

```
GPIO_write(Board_GPIO_LED_G, 1);
```

```
GPIO_write(Board_GPIO_LED_R, 1);
```

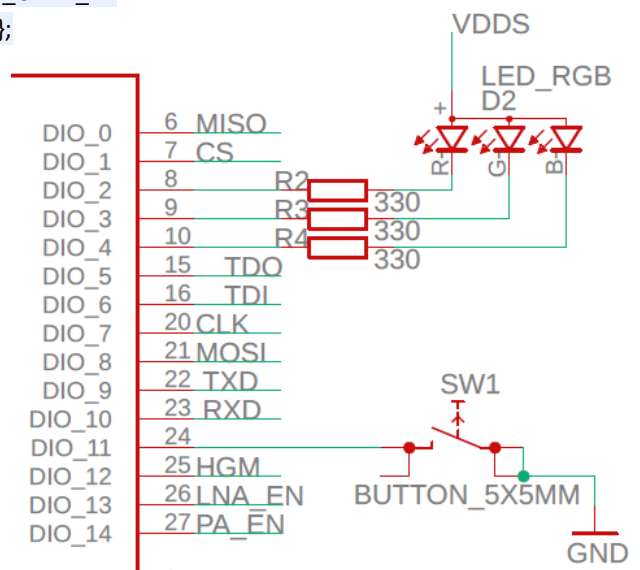
CC2640R2DK 5XD.h :

```
#define CC2640R2DK_5XD_PIN_RELAY      IOID_1
#define CC2640R2DK_5XD_PIN_HGM        IOID_12
#define CC2640R2DK_5XD_PIN_SWITCH     IOID_11
#define CC2640R2DK_5XD_PIN_LED1       IOID_4
#define CC2640R2DK_5XD_PIN_LED2       IOID_3
#define CC2640R2DK_5XD_PIN_LED3       IOID_2
```

...

```
typedef enum CC2640R2DK_5XD_GPIOName
```

```
{
    CC2640R2DK_5XD_GPIO_SWITCH = 0,
    CC2640R2DK_5XD_GPIO_LED1,
    CC2640R2DK_5XD_GPIO_LED2,
    CC2640R2DK_5XD_GPIO_LED3,
    CC2640R2DK_5XD_GPIO_RELAY,
    CC2640R2DK_5XD_GPIO_HGM,
    CC2640R2DK_5XD_GPIO_TMP116_EN,
    CC2640R2DK_5XD_GPIOCOUNT
} CC2640R2DK_5XD_GPIOName;
```



Board.h :

```
#define Board_GPIO_SWITCH CC2640R2DK_5XD_GPIO_SWITCH
#define Board_GPIO_LED_B CC2640R2DK_5XD_GPIO_LED1
#define Board_GPIO_LED_G CC2640R2DK_5XD_GPIO_LED2
#define Board_GPIO_LED_R CC2640R2DK_5XD_GPIO_LED3
#define Board_GPIO_RELAY CC2640R2DK_5XD_GPIO_RELAY
#define Board_GPIO_HGM CC2640R2DK_5XD_GPIO_HGM
```