LEDButton.inc

```
2
3
                          LEDButton.inc
  ;
                           EE110a HW1
4
  ;
                           Include File
6
7
  8
9
  ; This file contains the constants for the LED Button program.
10
  ; References: CC13×2, CC26×2 SimpleLink™ Wireless MCU Technical Reference Manual
11
            https://www.ti.com/lit/ug/swcu185g/swcu185g.pdf?ts=1761608306803
12
13 | ;
14
            CC26xR launchpad pin mapping and schematic:
15 ;
            https://www.ti.com/tool/LAUNCHXL-CC26X2R1#tech-docs
16
17 ; Revision History:
     10/28/25 Steven Lei initial revision
18
19
  ;
20
21
  ; I/O Constants
22
23
  RED_LED_IO_BIT .equ 6
GREEN_LED_IO_BIT .equ 7
24 RED_LED_IO_BIT
                           ;red LED on DIO6 \rightarrow bit 6 of GPIO_DOE
                               ;green LED on DIO7 
ightarrow bit 7 of GPIO_DOE
25
               .equ 13
                             ;left button on DIO13 → bit 13 of GPIO_DOE
26 LEFT_BTN_IO_BIT
                                ;right button on DIO14 → bit 14 of GPIO DOE
27
  RIGHT BTN IO BIT
                      14
                 .equ
28
  ; Configuration for a GPIO input that needs a pull up.
29
30 ; This is used for the push buttons since they are pulled low when pressed,
31
     according to schematic.
  ; see pg 1108
32
  IOCFG_DIN_PULL_UP .equ 0×20004000 ;
33
                               ----- reserved
              ;0—
34
              ;-0 no hysteresis
35
              36
              ;—00———— no wakeup
37
              ;---000------normal mode
38
              ;------ no edge detect events
39
                   _____00______ reserved
40
               41
42
                  _____0______ reserved
43
                      ______10_____ pull up enabled
44
                  — putt up that
— normal slew
45
                     _____00______2mA output
46
                 47
48
49
```

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