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1  ;Analog_Comparator_Interrupt.asm
2  PROCESSOR PIC16F628
3  #include <P16F628.INC>
4  __CONFIG    _CP_OFF & _MCLRE_ON & INTRC_OSC_NOCLKOUT & _LVP_OFF
5             & _WDT_OFF
6
7  ORG         0x00
8  goto       main
9
10 ORG         0x04
11 goto       Analog_ISR
12
13 main:
14     call    init
15
16 inf_loop:
17     nop
18     nop
19     goto    inf_loop
20
21 Analog_ISR:
22     bcf     PIR1,CMIF    ; clear analog comparator interrupt flag
23     btfss   CMCON,C2OUT
24     goto    SET_HIGH
25
26 SET_LOW:
27     bsf     PORTB,0
28     bcf     PORTB,1
29     goto    OVER
30
31 SET_HIGH:
32     bcf     PORTB,0
33     bsf     PORTB,1
34
35 OVER:
36     retfie
37
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