

__CONFIG _CP_OFF & _WDT_OFF & _XT_OSC & _PWRTE_ON

list p=16f84

include <p16f84a.inc>

RESET org 0

GOTO Inicio

org 0x05

Contador equ 0x0c

Inicio

BSF STATUS, RP0

movlw b'00011'

movwf TRISA

clrf TRISB

BCF STATUS, RP0

clrf PORTB

clrf Contador

Programa

btfsc PORTA,0

goto SUMA

btfsc PORTA,1

goto RESTA

goto Programa

SUMA btfsc PORTA,0

goto SUMA

Antirrebote

```
btfsc PORTA,0  
goto Antirrebote  
MOVLW b'00000010'  
addwf Contador,1  
goto DISPLAY
```

RESTA

```
btfsc PORTA,1  
GOTO RESTA
```

Antirrebote1

```
btfsc PORTA,1  
GOTO Antirrebote1  
MOVLW b'00000001'  
subwf Contador,1  
goto DISPLAY
```

DISPLAY

```
ADDWF PCL, F  
RETLW 3FH ;0  
RETLW 06H ;1  
RETLW 5BH ;2  
RETLW 4FH ;3  
RETLW 66H ;4  
RETLW 6DH ;5  
RETLW 7DH ;6  
RETLW 07H ;7  
RETLW 7FH ;8
```

RETLW 67H ;9

RETLW 77H ;A

RETLW 7CH ;B

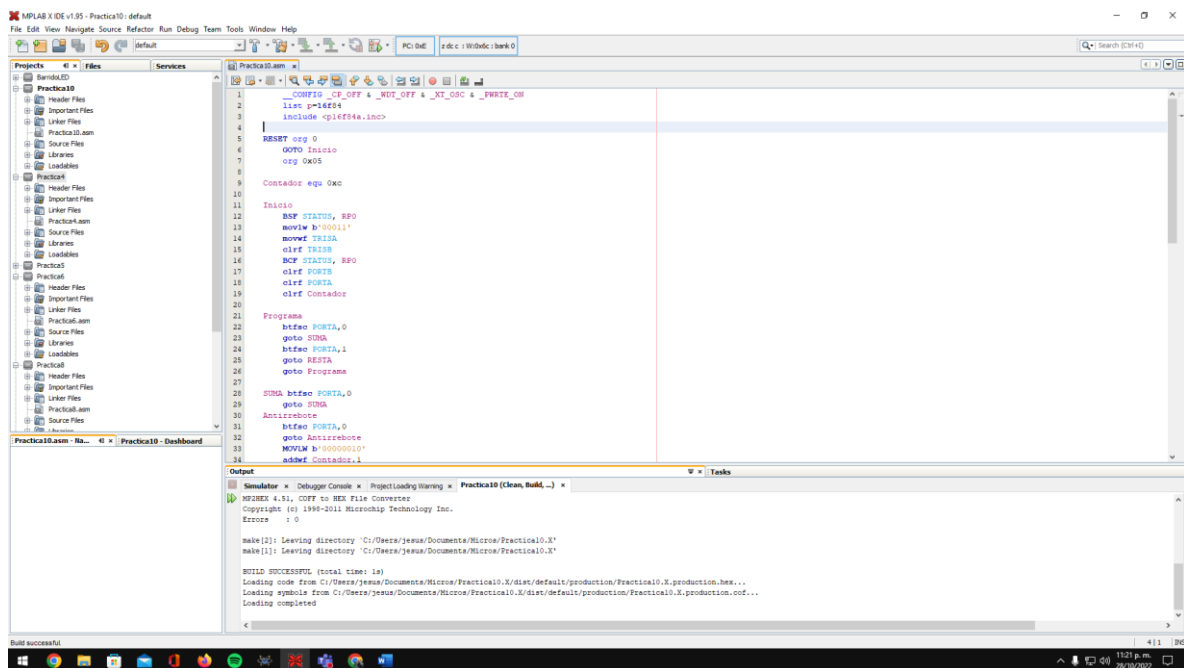
RETLW 39H ;C

RETLW 5EH ;D

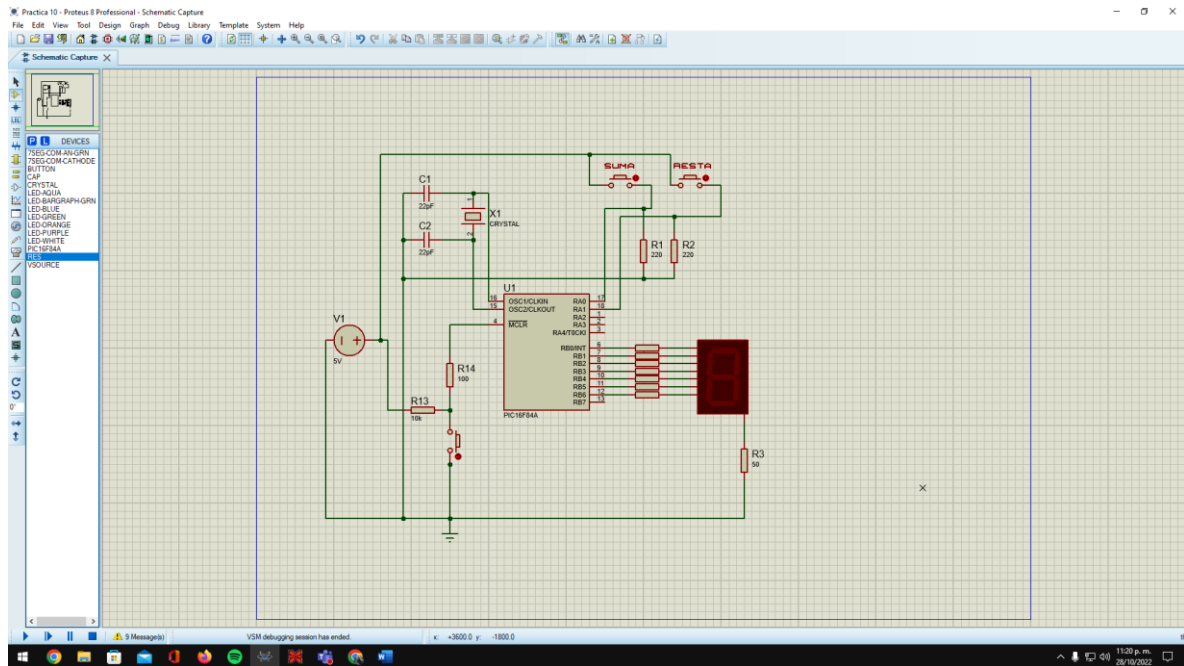
RETLW 79H ;E

RETLW 71H ;F

END



Circuito sin simular



Circuito simulado PIC16F84A(4Mhz)

