

Re: Problem with LCD & PIC16C54C

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Hi,

Yup the contrast voltage is -3V. The PIC is working becoz I tied a LED to one of the o/p. However, the LCD still does not display. It could be due to the wrong init. sequences or that data are not sent to the LCD correctly.

```
,***** Initialize LCD  
*****
```

```
CALL DELAY  
CALL DELAY  
CALL DELAY  
BCF PORTA,LCD_RS  
BCF PORTA,LCD_RW  
CALL DELAY  
CALL FUNCTIONSET  
CALL FUNCTIONSET  
CALL FUNCTIONSET  
CALL SDELAY  
MOVLW 0x3F ; Function set  
MOVWF PORTB  
CALL SENDTOLCD
```

```
CALL SDELAY  
MOVLW 0x08 ; Display ON/OFF = display off, cursor off, blink off  
MOVWF PORTB  
CALL SENDTOLCD
```

```
CALL SDELAY  
MOVLW 0x01 ; Clear Display  
MOVWF PORTB  
CALL SENDTOLCD  
CALL DELAY  
CALL DELAY  
CALL DELAY  
CALL DELAY  
CALL DELAY  
MOVLW 0x06 ; Entry Mode Set
```

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```
MOVWF PORTB  
CALL SENDTOLCD  
CALL SDELAY
```

.,*****

```
FUNCTIONSET  
CALL SDELAY  
MOVLW 0x30 ; 2 line, display on  
MOVWF PORTB
```

```
BSF PORTA,LCD_EN  
CALL SDELAY  
NOP  
BCF PORTA,LCD_EN  
CALL SDELAY  
RETLW 0
```

```
SENDTOLCD  
CALL SDELAY  
BSF PORTA,LCD_EN  
CALL SDELAY  
NOP  
BCF PORTA,LCD_EN  
CALL SDELAY  
RETLW 0
```

////////////////////////////////////

Any help is appreciated. btw could the problem be due to the 4Mhz
osc i am using becoz the datasheet has a condition $F_{osc}=270KHz$

ywz

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