Errata

External LCD Display Operation on the PICDEM-17 Demo Board

Symptom: ASCII characters cannot be displayed on a LCD display when connected to the LCD1 connector on the PICDEM-17. The display appears blank no matter what data or commands are sent.

Problem: The contrast setting has been preset by the resistors R7 and R8 which should be 820Ω and 10 kΩ respectively. However, these resistors were swapped during the initial manufacturing phase. Therefore, the contrast setting of this resistor combination will not provide enough contrast to see the ASCII characters that were written to the display.

Solution: The resistor R7 needs to be changed to a value of 820Ω and R8 to 10 kΩ. These resistors can be the 1/8W, 5% type.