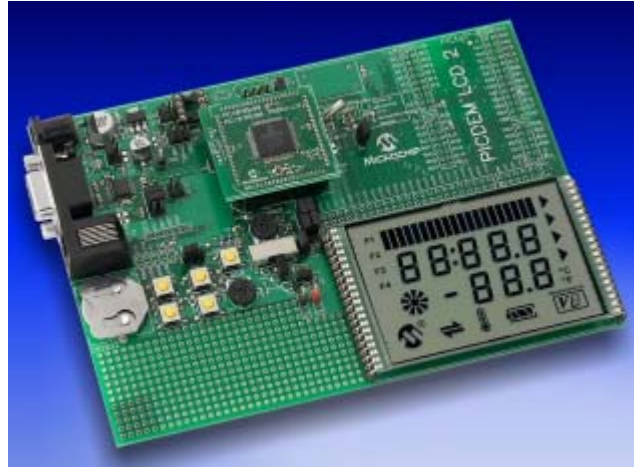


PICDEM LCD 2 Demonstration Board

Part Number: DM163030

The PICDEM LCD 2 Demonstration Board (DM163030) shows the main features of Microchip's 28, 40, 64 and 80-pin LCD Flash PIC microcontrollers including the LCD voltage booster and contrast controller. It is populated with the PIC18F85J90. Other devices are supported via a transition socket and are available separately. A sample LCD glass display is included for custom prototyping. The glass features 7-segment displays, wipers, thermometers, star bursts, and other common icons.



Included applications:

● Voltmeter

A/D module measures the voltage of the on board potentiometer and displays a voltage between 0.00V and 3.30V on the LCD.

● Thermometer

The A/D module measures the voltage of the thermistor and converts to temperature both in Celsius and Fahrenheit to continuously display the temperature.

● Clock

Timer/Clock function shows hours:minutes:seconds with a moving second hand using on board 32 kHz watch crystal.

● Charge Pump and Software Contrast

When using the PIC18F85J90 family of devices the LCD module can be configured as a charge pump and software contrast control is activated.