

PICDEM LCD 2 Demonstration Board

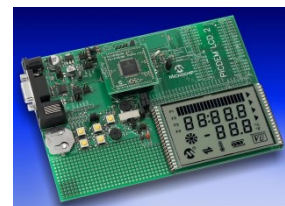
Part Number: DM163030

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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 PIC18F87J90. 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.



Features

Package Contents

Related Tools

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 PIC18F87J90 family of devices the LCD module can be configured as a charge pump and software contrast control is activated.

Documentation & Software

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Documents	Last Updated	Size	
Intelligent Metering & Power Monitoring Solutions	1/28/2015 2:00:03 PM	280KB	
MCP3903 Six-Channel AFE for Three-Phase Metering	9/21/2011 4:07:46 PM	157KB	
PICDEM LCD 2 Demonstration Kit User's Guide	11/19/2010 9:44:25 AM	2MB	
PIC18F87K90 PIM Demo Code	6/2/2010 2:56:10 PM	123KB	
PIC18F87J90 PIM Demo Code	4/20/2010 10:15:07 AM	111KB	
PICDEM LCD 2 Demo Code	6/13/2007 10:02:45 AM	370KB	

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