



Part Number: GPIODM-KPLCD

MCP23X08/17 GPIO Exp Keypad/LCD Demo



Summary Description:

The GPIO Expander Keypad and LCD Demo Board is designed to demonstrate the use of the MCP23S08/17 (SPI interface) and the MCP23008/17 (I2C interface) devices in a keypad and LCD example. The MCP23X17 (16-bit) devices interface to a 2x16 LCD module and the MCP23X08 (8-bit) devices interface to a 4x4 keyed matrix.

Features:

- Demonstrates the use of MCP23X08 and MCP23X17 devices for LCD and keypad applications
- Test points allow for easy monitoring of SPI and I2C buses, as well as the keypad and LCD interface to PIC
- ICSP header for the PIC® microcontroller allows users to customize firmware to further evaluate the MCP23X08/17 devices.
- Can be powered from a 3.0V to 5V DC power source (connected to the +5V and GND test points)

