GPIO Expander Keypad and LCD Demo Board
Part Number: GPIODM-KPLCD

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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 | Package Contents

- 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)

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AppNotes	Last Updated	Size	
AN1043 - Unique Features of the MCP23X08/17 GPIO Expanders	6/27/2006 1:31:52 PM	297KB	
AN972 - I/O Expansion Using the MCP23X08 and PIC10F202	1/27/2005 3:09:43 PM	278KB	
Documents	Last Updated	Size	
MCP23017/MCP23S17 Data Sheet	7/6/2016 3:04:34 PM	845KB	
PIC18F2455/2550/4455/4550 Data sheet	10/27/2009 9:56:50 AM	6MB	
MCP23008/MCP23S08 Data Sheet	8/24/2007 1:56:49 PM	649KB	
GPIO Expander Keypad and LCD Demo Board User's Guide	11/10/2006 3:37:17 PM	784KB	
GPIO Expander Keypad and LCD Demo Board Firmware	11/10/2006 3:23:38 PM	27KB	