

# MCP23X17 16-Bit GPIO Expander Evaluation Board

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Part Number: MCP23X17EV

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The MCP23X17 16-bit GPIO Expander Evaluation Board demonstrates simple input/output functionality of the MCP23017 (I2C interface) and the MCP23S17 (SPI interface). The system demonstrates the simplicity of monitoring four pins configured as inputs and applying a predetermined pattern on LEDs connected to the remaining 12 pins configured as outputs.


[Features](#)
[Package Contents](#)

- Demonstrates the MCP23X17 devices in a simple I/O application
- ICSP header for the PICmicro allows users to customize firmware to further evaluate the MCP23X17
- Jumpers and headers allow the MCP23X17 to connect directly to custom applications for prototype work
- Can be powered from a 3.0V to 5V DC power source (connected to the +5V and GND test points)

## Documentation & Software

[Back To Top](#)

Documents	Last Updated	Size	
MCP23017/MCP23S17 Data Sheet	2/6/2007 10:52:54 AM	915KB	
MCP23X17 Evaluation Board User's Guide	8/28/2006 3:40:07 PM	587KB	
MCP23X17 16-Bit GPIO Expander Evaluation Board Gerbers	2/6/2006 3:29:12 PM	163KB	
MCP23X17 16-Bit GPIO Expander Evaluation Board Firmware	2/6/2006 3:27:18 PM	9KB	