



## *Qik Start 16 Board* **386-66580**

The Qik Start 16 is a highly integrated standalone prototyping and training tool for both educators and engineers. It allows any 8,14,18, 28, or 40 pin PICmicro 12Cxxx or 16Cxxx Series microcontroller to be used. All VDD, VCC, OSC and MCLR are pre-wired. OSC signal is generated from an on board plug in clock oscillator or standard crystal. The 2-5 volt adjustable power supply can be sourced from a 9 volt battery or AC power pack (P/N 905520). Terminals are also available for use from an external lab supply or the *Design Center*. The MCLR lines are common with a signal initiated from the on board momentary button or via an external reset source. There are two dedicated sockets for EEPROM (either I<sup>2</sup>C or SPI). Microcontrollers with USARTs have TX and RX lines tied to a Max 232 interface chip which connects to a DB-9. All port pins are brought out to connecting terminal blocks for easy access.

The Qik Start 16 is designed to fit into the unique adapter cradle found on the Diversified Engineering *Design Center* (P/N 905000).



### **Key Benefits**



Self Contained, Standalone, Development Module  
Pre-wired for all PICmicro16Cxxx and 12Cxxx Series Microcontrollers



ICD (In Circuit Debugger) connector for programming and debug



Plugs directly into the Diversified Engineering *Design Center* (P/N 905000)

### **FEATURES**



4 potentiometers

- 3 momentary switches
- 8 LED's with series resistors
- RS-232 driver with DB-9 connector
- All port pins accessible at wire socket headers
- VDD, VSS, OSC and MCLR pins are pre-wired
- On board regulated adjustable (2-5V) power supply
- Powered from Design Center, Power Pak, or 9V battery
- Proto area with .040" plated thorough holes on a .1" x .1" grid
- RJ connector for ICD interface used for In Circuit Debugging & Programming
- Socketed 4 MHz Clock Oscillator and pads for through-hole Crystal
- Designed Specifically for Microchip PICmicro Series 16Cxxx and 12Cxxx Microcontrollers