



System Specifications

- Power supply select – USB & external, with ON/OFF switch
- On-board very fast USB 2.0 programmer (supports 160+ ICs: PIC12XX, PIC16FXX, PIC18FXX, etc.)
- Supplied with Microchip 18F4550 Microcontroller
- RS-232 communication with PC or another microcontroller
- All pins connected to IDC connectors for expansion
- 2×16 LCD display interface (plugs via connector)
- On-board keypad for efficient data entry
- Six Seven-Segment Display
- I/O expansion slots/connectors
- On-board push-button switches and LEDs
- PS/2 connector for PS/2 device interface
- Configurable system via DIP switches
- On-board ADC/DAC (10-bit resolution, two's complement)
- On-board real-time debugger, supports MP Lab & CCS compiler
- Potentiometer for AD conversion/comparator testing
- Supports Microcontrollers in DIP8, DIP14, DIP18, DIP20, DIP28, DIP40 sockets
- Touch screen graphics LCD on board
- External power supply (DC or AC)
- Power supply & reset circuit
- USB communication connector for MCU with USB functionality
- Selectable voltage level on button press (GND or +5V)
- Replaceable crystal oscillator
- 36 diodes for displaying all MCU pin states simultaneously
- All pins clearly marked on back of board

Interfacing Modules

- DAC Interface Card (8-bit resolution)
- DC Motor Controller Card with DC Motor
- Stepper Motor Controller Card with motor
- Temperature Sensor with driver and control circuit
- Servo Motor with driver circuit
- 8-Digit Seven-Segment Display with driver circuit (low current, high brightness)
- 16×16 (or larger) LED Matrix Board with driver circuit (low current, high brightness)
- 16×2 LCD Module with driver circuit
- RFID Module

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Order Code : 25268948.3
PIC Microcontroller integrated
development Board for PIC18F45502

- ADC Module
- Touch Screen Panel



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