

- Ideal for the Student or Hobbyist to start developing and testing your PIC projects with this multi-featured and PIC Development board
- Abundant on-board resources: LED, digital tube, key-press, keyboard matrix, character LCD, A/D converter, D/A converter,, USART serial communication open modular design:
- All I/O ports are open externally with output socket. Expansion is easily accomplished.
- Microcontroller's. Enclosed with ICSP download cable. Direct ICSP programming for Microcontroller of external target board.

Hrdware resources:

- 1, 8 LED lights
- 2, 6 clock digital tube (do counter, voltmeter, stopwatch, electronic clock, frequency counter, etc. display);
- 3, 4 independent keys (do button scanning);
- 4, 4 * 4 ranks of the keyboard (buttons do scan);
- 5, MAX232 serial port (RS232 and Computer Communication can do experiments);
- 6, AT24C02 (EEPROM can do experiments);
- 7, buzzer sound output (do music-related sound experiments);
- 8, DS18B20 temperature sensor (temperature measurement do thermometers and other related experiments);
- 9, DS1302 real time clock circuit (tube or LCD display can be used to do digital electronic clock);
- 10,1602 LCD display interface (2 lines of 16 characters per line, with backlight); (not including lcd)
- 11,128 * 64 LCD display interface (4 lines of 16 characters per line, with backlight); (not including lcd)
- 12, stepper motor interface (do stepper motor Reversible experimental) (not including motor)
- 13, all the way 10-bit A / D converter (DAC testing DC voltage, tube or LCD display with digital display);
- 14, DC power input (DC voltage :6-15V);
- 15, USB power input interface (direct access to computer power supply);
- 16, ICSP interface (can do online debugging and programming);
- 17,40 PIN Block the programming (which can replace the chip);
- 18, PIC Microcontroller PIC16F877A leads all the pins and mark the pin name)
- 19, external crystal (to meet the needs of various frequencies);

Pckage include:

- 1x development board with PIC16F877A
- 1x USB powr cable
- 1x 232 cable
- 1x CD ROM including Board Schematic , Sample code software etc



