

## Easy PIC Development Kit - PIC18F452



### Product Features:

*This Development Kit provides a complete programming Environment for PIC 18F series microcontrollers. All the functions of PIC 18F452 have been invoked in this design. The PIC18F452 on board can be programmed directly from the MPLAB application with the Bootloader software provided. Peripheral interfaces like LED, LCD, 7 Segment, Key switches are available on the Board itself for easy programming and development.*

*This Kit is supported with example programs in both Assembly & C language codes using 16bit op codes. MPLAB IDE, PIC CCS C compiler Demo Software with MPLAB Plug-in, PIC 18F452 Data Sheet and programming instructions are provided in the CD-ROM. A Soft copy of the user manual is also included in the CD. This is a complete Easy to use Development Kit for Design & Development of products using the new Series of Microchip PIC 18F452 microcontroller.*

## **Contents of Easy PIC Development Kit - PIC18F452:**

*The product kit consists of the following:*

- *Easy PIC Development Board*
- *DC Power supply*
- *RS232 cable*
- *Software CD*

## **Specifications:**

- ❖ *On Board Regulated Power supply 5V, 12V*
- ❖ *PIC 18F452 microcontroller with Bootloader firmware*
- ❖ *20MHz crystal Oscillator*
- ❖ *Built in RS232 connector*
- ❖ *16x2 Line LCD Display*
- ❖ *6x7 Segment Display*
- ❖ *6x Key Switches*
- ❖ *3xPots for Analog Input (10 Bit)*
- ❖ *8xPortB led indications*
- ❖ *Boot Load / Reset Switch*
- ❖ *Jumper Selectable LCD/7SEG*
- ❖ *Jumper selectable KeySwitch/7SEG*
- ❖ *1 x External 12 Bit ADC inputs– MCP3202*
- ❖ *1 x External 256K Serial EEPROM- 24LC256*
- ❖ *2 x External Analog Inputs (10 bit on chip)*
- ❖ *2 x External PWM Port (10 bit on chip)*
- ❖ *1 x External SPI Port*
- ❖ *2 x Relay Outputs (C, No, NC outputs)*
- ❖ *1 x Buzzer for Signaling*
- ❖ *Access to Port B, C & D for external connections*
- ❖ *5V output for external circuits*
- ❖ *3 x 16 bit Timers*
- ❖ *1536 RAM – for large programs*