

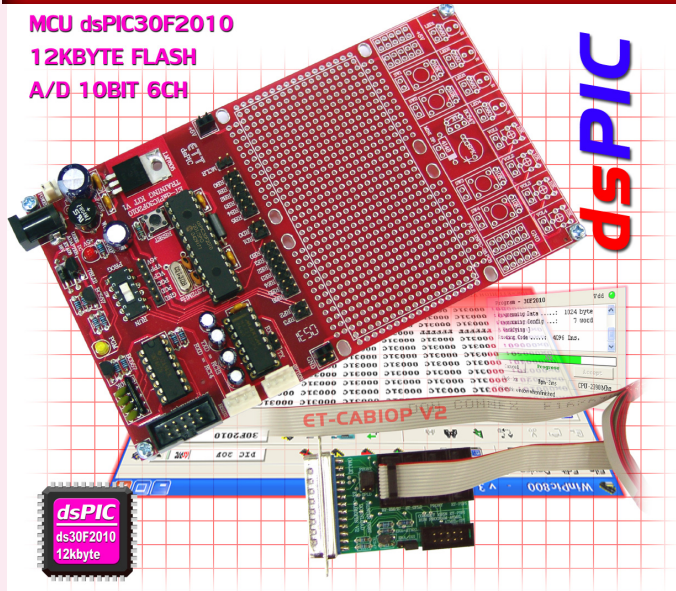
dsPIC

... is board ET-dsPIC30F2010 V1 and V1 EXP for usage and demonstration MCU dsPIC family from MICROCHIP Co., Ltd.

We design Board to be architectonics of Microcontroller dsPIC family with all the necessary components. So, user can learn and study board well with very low price but it is the most worthwhile. Each package has Board program for DOWNLOAD PROGRAM into dsPIC, the sample program for demonstration, devices on Board and MINI I/O MODULE Expansion with Program MLAB C30 COMPILER V1.33.

ET-dsPIC30F2010 V1 (P-ET-A-00269)

MCU dsPIC30F2010
12KBYTE FLASH
A/D 10BIT 6CH

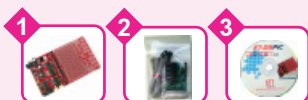


ET-dsPIC 30F2010 V1 consists of;

- MCU No.dsPIC30F2010 28 PIN DIP TYPE
- FLASH MEMORY 12 KBYTE (4KWORD), RAM 512 BYTE, EEPROM 1 KBYTE, TIMER 16 BIT 3 CH, INPUT CAP 4 CH, PWM 2 CH, MOTOR CONTROL PWM 6 CH, A TO D 10 BIT 6 CH
- X'TAL 7.3728 MHz (CAN BE MULTIPLIED BY 16 TO BE 117.9648 MHz)
- RS232 ON BOARD MAX232 4 PIN ET
- IN-CIRCUIT DOWNLOAD PROGRAM AS HIGH VOLT ON BOARD
- PIN HEADRER I/O 18 PIN WITH WHITE PRINTED NAME
- PCB 8.5 x 5.3 CM.
- PCB SIZE 15.3 x 9 CM.
- 7805 POWER SUPPLY and 13VDC/100 mA ON BOARD USING POWER INPUT DC 14-18V
- WE USE PROGRAM WINPIC800 FOR DOWNLOAD PROGRAM AND USE DOWNLOAD SET OF ET-CAB10P V2 TO INTERFACE WITH COMPUTER PC THROUGH DB 25 PIN PRINTER PORT AND THEN RUN ON OS WINDOWS 98/ME/2000/NT/XP

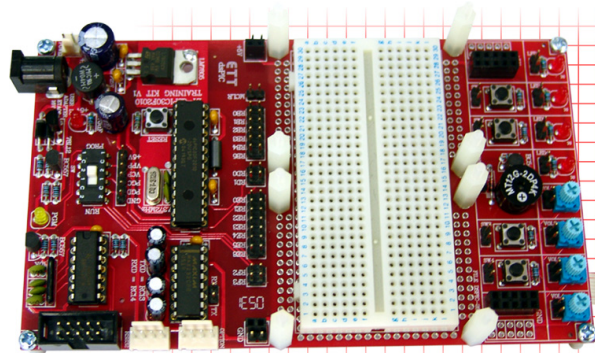
• ET-dsPIC30F2010 V1 INCLUDES ...

1. ET-dsPIC30F2010 BOARD
2. CD-ROM OF USER MANUAL AND SAMPLE PROGRAM FOR DOWNLOADING PROGRAM
3. DOWNLOAD SET OF ET-CAB10P V2



(Board ET-dsPIC30F2010 V1 and V1 EXP uses POWER SUPPLY 14-18V, we recommend user should use it with DC ADAPTER 16V version ET-A06 to be OPTION 180.-)

ET-dsPIC30F2010 V1 EXP (P-ET-A-00270)



* แนะนำซื้อเพิ่มเติมชุดต่อสาย ET-FF BOX120 ในการต่อสาย ทดลองถ้างยังไม่



- PROJECT BOARD AD-100 (SIZE 81 x 42 x 9 MM.)
- 4 VR 10 K WITH INTERSECTION POINT
- 4 TACT SW WITH INTERSECTION POINT
- 4 LED DOT WITH INTERSECTION POINT
- 1 MINI SPEAKER WITH INTERSECTION POINT
- CAN BE INTERFACED WITH ETT MINI I/O BOARD (OPTION)WITH C LANGUAGE SAMPLE PROGRAM SUCH AS DC-MOTOR, STEPPING MOTOR, I²C PCF8574, I²C EEPROM, I²C RTC, SPI OUTPUT 74HC595, MATRIX KEYBOARD 4 x 4, 7-SEGMENT
- ET-dsPIC30F2010 V1 EXP INCLUDES...
 1. BOARD ET-dsPIC30F2010 V1 WITH EXP WITH PROJECT BOARD
 2. DOWNLOAD SET OF ET CAB10P V2
 3. CD-ROM OF USER MANUAL AND SAMPLE PROGRAM FOR DOWNLOADING PROGRAM
 4. ET-CABLE RS232 DB9 PIN



ET-BASE PIC16F628 V1 (P-ET-A-00277)



ET-BASE PIC16F628 V1 which is board PIC family from MICROCHIP Co, LTD. is small size and very cheap. There's circuit cable download, so we can write program on computer PC, and then can download program into board directly. We can use it for general purpose or for interfacing with ET-BASIC I/O V1.

- CPU PIC16F628A DIP 18 PIN

- FLASH MEMORY 2KWORD, RAM 224 BYTE, EEPROM 128 BYTE
- RUN X'TAL 10 MHz, 2 PORT I/O 10 PIN ET PORT A, B
- 14 PIN LCD PORT AS CHARACTER TYPE, 10 PIN ET-PSPI FOR DOWNLOADING
- POWER SUPPLY 5VDC (CAN USE ET-SWITCHING ADAPTER 5V 1.2A TYPE H OPTION)
- CAN DOWNLOAD PROGRAM INTO INTERNAL FLASH MEMORY BY USING ET-CAP10 THROUGH PORT PRINTER DB 25 PIN FROM COMPUTER PC
- PCB SIZE 6.2 x 8.1 CM., 4 PIN RS232 PORT
- ET-BASE PIC16F628 V1 INCLUDES...
 1. BOARD ET-BASE PIC16F628 V1
 2. CABLE DOWNLOAD ET-CAB10P V2
 3. CD-ROM OF USER MANUAL FOR RUNNING ON WINDOWS 98/ME/XP/2000

