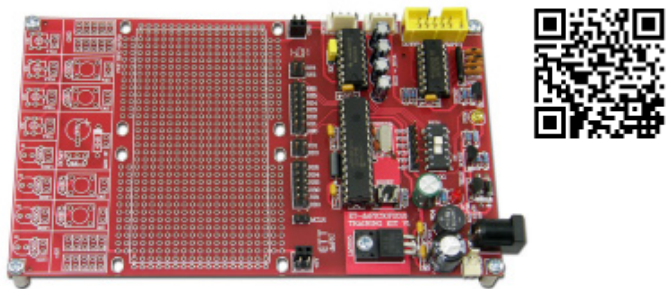


ET-dsPIC30F2010 V1 (P-ET-A-00269)



ET-dsPIC 30F2010 V1 consists of;

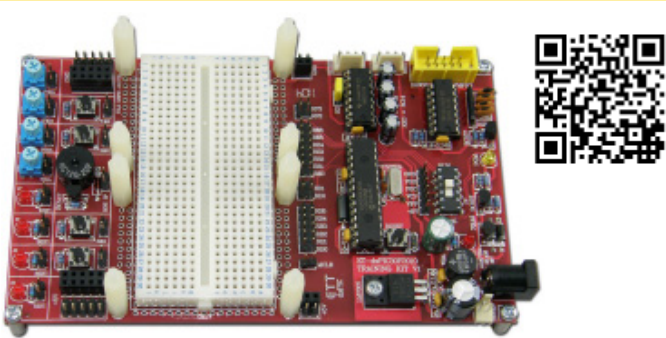
- MCU No.dsPIC30F2010 28 PIN DIP TYPE
- FLASH MEMORY 12 KBYTE (4KWORD), RAM 512 BYTE, EEPROM 1 KBYTE, TIMER 16 BIT 3 CH, INPUT CAP 4 CH, PWM 2 CH, MOTOR CONTROL PWM 6 CH, A TO D 10 BIT 6 CH
- X'TAL 7.3728 MHZ (CAN BE MULTIPLIED BY 16 TO BE 117.9648 MHZ)
- RS232 ON BOARD MAX232 4 PIN ET
- IN-CIRCUIT DOWNLOAD 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)



- 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 74HC959, MATRIX KEYBOARD 4 x 4, 7-SEGMENT
- **ET-dsPIC30F2010 V1 EXP INCLUDES...**

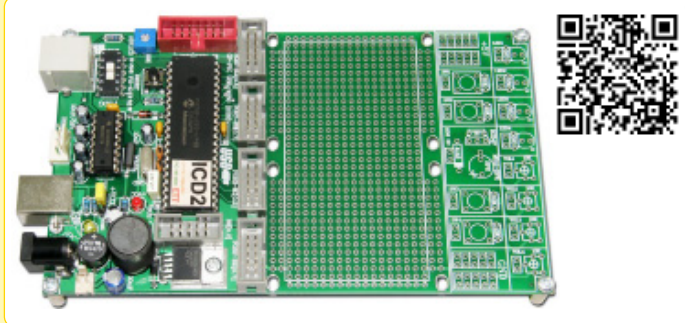
1. BOARD ET-dsPIC30F2010 V1 WITH EXP WITH PROJECT BOARD
2. DOWNLOAD SET OF ET CAB10P V2
3. CD-ROM OF USER MANUAL AND SAMPLE PROGRAM FOR DOWNLOADING PROGRAM
4. ET-CABLE RS232 DB9 PIN



CP-PIC USB/4550 (ICD2) (P-CP-A-00094)

CP-PIC USB/4553 (ICD2) (P-CP-A-00098)

It is a new release board that has USB Module Communication insides and can program data into PIC by ET-PGM PIC USB of ETT. There are 2 types; CP-PIC USB/4550 (ICD2) and CP-PIC USB/4553 (ICD2) for general applications.



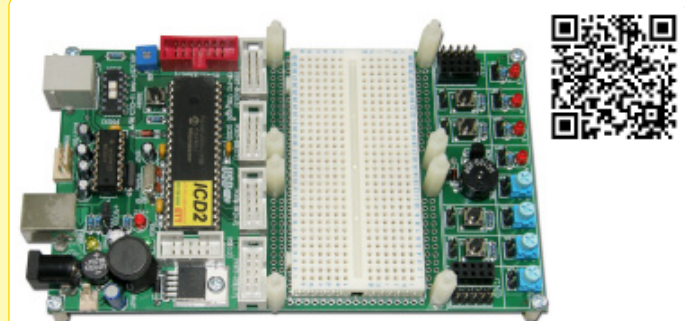
1. **CP-PIC USB/4550 (ICD2)** Use 40 PIN DIP MCU No.PIC18F4550 32 KBYTE FLASH Memory, 2048 BYTE RAM, 256 BYTE EEPROM, A TO D 10 BIT 13 CH.
 2. **CP-PIC USB/4553 (ICD2)** Use 40 PIN DIP MCU No.PIC18F4553 32 KBYTE FLASH Memory, 2048 BYTE RAM, 256 BYTE EEPROM, A TO D 12 BIT 13 CH.
- RUN X'TAL ON BOARD 20MHZ; can used PLL to RUN 48MHZ
 - I/O PORT 28 BIT on 5 CONNECTOR 10 PIN ET BUS I/O
 - A TO D 10 BIT 13 CHANNEL
 - 14 PIN LCD PORT CHARACTER TYPE
 - RJ-11 to download PROGRAM into MCU by ET-PGM PIC USB V1/V1 PLUS/ V2, ET-PGM PIC PK3/PK3 PLUS and SW. to select Operation Mode
 - RS232 PORT 1 CHANNEL 4 PIN ETT
 - PCB Size: 15.3 x 9 CM.
 - FULL SPEED USB PORT TYPE B ON BOARD
 - POWER SUPPLY 5V ON BOARD as SWITCHING No. LM2575T-5.0 can be used with DC ADAPTER version 10VDC/850mA (A-AP-A-00001 **OPTION**)
 - **CP-PIC USB/4550 (ICD2) / CP-PIC USB/4553 (ICD2) consists of**
1. BOARD
 2. CABLE USB A TO B TYPE
 3. CD-ROM User's Manual



CP-PIC USB/4550 EXP (ICD2) (P-CP-A-00095)

CP-PIC USB/4553 EXP (ICD2) (P-CP-A-00099)

Its specifications are the same as version CP-PIC USB/4550 (ICD2) / CP-PIC USB/4553 (ICD2) but this version includes circuit for experiment and PROJECT BOARD.



- PROJECT BOARD VERSION AD-100 (Size 81 x 42 x 19 mm.) 360 POINTS
 - 4 VR 10K R with connecting point
 - 4 TACT SW with connecting point
 - 4 LED DOT with connecting point
 - 1 MINI SPEAKER with connecting point
 - It can be connected with MINI I/O BOARD (OPTION) of ETT
 - **CP-PIC USB/4550 EXP (ICD2) / CP-PIC USB/4553 EXP (ICD2) consists of ...**
1. BOARD and PROJECT BOARD
 2. CABLE USB A TO B TYPE
 3. CD-ROM User's Manual and Example Program.

