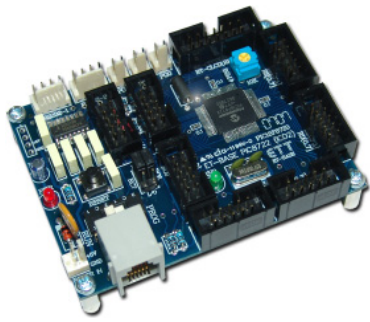


ET-BASE PIC8722 (ICD2)
(P-ET-A-00335)

ET-BASE PIC8628 (ICD2)
(P-ET-A-00376)



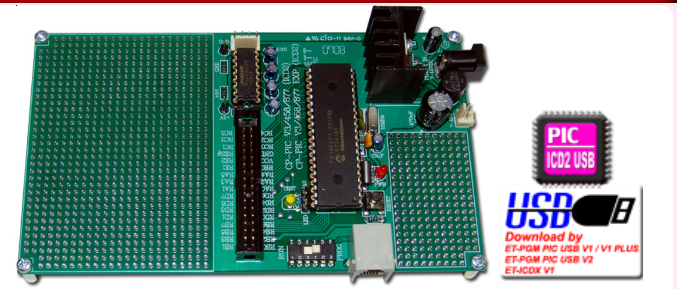
New PIC Board that can be used with Programmer "ET-PGM PIC USB V1 or V1 PLUS" is interfaced with ETT PORT USB of computer PC through standard Connector of MICROCHIP CO., Ltd. Connector RJ-11 (ICD2) that can be used independently or interface with Board ET-BASIC I/O V1. There are 2 models

1. **ET-BASE PIC8722 (ICD2)** Use MCU No. PIC18F8722 80 PIN TQFP TYPE FLASH 128 KBYTE, RAM 3936 BYTE, EEPROM 1024 BYTE, A TO D 10 BIT 16 CH.
2. **ET-BASE PIC8628 (ICD2)** Use MCU No. PIC18F8628 80 PIN TQFP TYPE FLASH 128 KBYTE, RAM 3936 BYTE, EEPROM 1024 BYTE, A TO D 12 BIT 16 CH.
 - RUN X'TAL ON BOARD 10 MHz and can be set to run up to 40 MHz
 - I/O PORT 70 BIT
 - 7 CONNECTOR 10 PIN BUS I/O
 - 14 PIN LCD PORT CHARACTER TYPE
 - RJ-11 (ICD2) to download program into MCU by ET-PGM PIC USB V1/V1 PLUS/V2, ET-ICDX V1, ET-PGM PIC PK3/PK3 PLUS and SW. to select mode operation
 - RS232 PORT 2 CHANNEL 4 PIN ETT (ICL3232 ON BOARD)
 - A TO D 10 BIT 16 CH
 - TIMER/COUNTER, PWM, WATCHDOG
 - POWER SUPPLY 5VDC can be used with ETT POWER SUPPLY VERSION ET-SWITCHING ADAPTER 5V/1.2A TYPE H
 - PCB SIZE 6.2 x 8.1 cm standard ET-BASE SIZE
 - **ET-BASE PIC8722 (ICD2) / ET-BASE PIC8628 (ICD2)** consists
 1. Board
 2. CD-ROM User's Manual

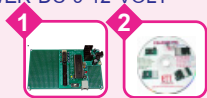


CP-PIC V3/458 (ICD2)
(P-CP-A-00088)

CP-PIC V3/877 (ICD2)
(P-CP-A-00089)



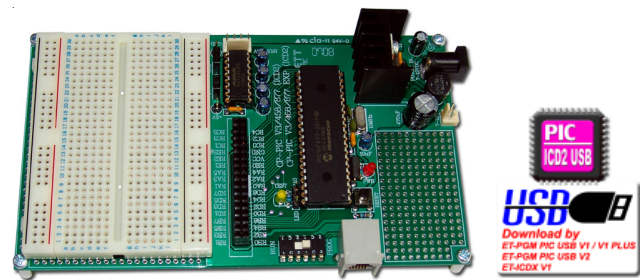
- VERSION **CP-PIC V3/458 (ICD2)** uses CPU No. PIC18F458 that can runs frequency up to 40 MHz ON CHIP FLASH PROGRAM MEMORY 32K BYTE, RAM 1536 BYTE, EEPROM 256 BYTE, A TO D 10 BIT 8 CHANNEL
- VERSION **CP-PIC V3/877 (ICD2)** uses CPU No. PIC16F877 that can runs frequency up to 10 MHz ON CHIP FLASH PROGRAM MEMORY 8 KWOPDS, 368 BYTES RAM/256 BYTES EEPROM, A TO D 10 BIT 8 CHANNEL
- HIGH CURRENT SINK/SOURCE 25/25 mA
- RJ-11 (ICD2) to download program into MCU by ET-PGM PIC USB V1/V1 PLUS/V2, ET-ICDX V1, ET-PGM PIC PK3/PK3 PLUS and SW. to select mode operation
- RS232 ON BOARD MAX232
- Project PCB Board SIZE 8.5 x 6 cm.
- 7805 POWER SUPPLY ON BOARD uses POWER DC 9-12 VOLT
- PCB BOARD SIZE 15.3 x 9 cm.
- **CP-PIC V3/458, V3/877 (ICD2)** consist
 1. Board
 2. CD-ROM User's Manual



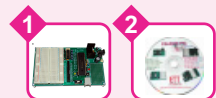
*** Board CP-PIC V3/458 (ICD2), CP-PIC V3/877 (ICD2), CP-PIC V3/458 EXP (ICD2), CP-PIC V3/877 EXP (ICD2), CP-PIC V4/458 (ICD2), CP-PIC V4/877 (ICD2) can download program into MCU by ET-PGM PIC USB V1 or ET-PGM PIC USB V1 PLUS or ET-PGM PIC USB V2.0 or ET-ICDX V1.0 through PORT RJ-11 (ICD2) ***

CP-PIC V3/458 EXP (ICD2)
(P-CP-A-00090)

CP-PIC V3/877 EXP (ICD2)
(P-CP-A-00091)

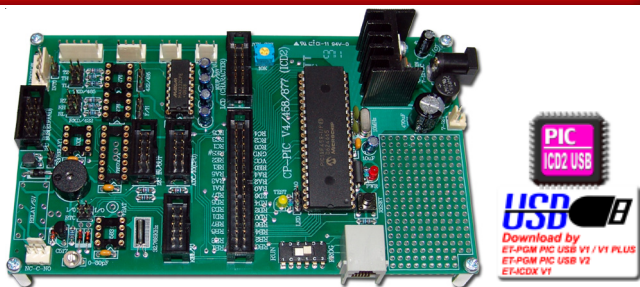


- CP-PIC V3/458 EXP (ICD2) and CP-PIC V3/877 EXP (ICD2) has the specifications as same as version CP-PIC V3/458 (ICD2) and CP-PIC V3/877 (ICD2) but there's additional PROJECT BOARD and change Connector 34 PIN ET BUS to PIN HEADER Female. So, it can interface Cable into Project Board and increase Connector Female in the part of VCC and GND to interface with Project Board.
- PROJECT BOARD version AD-102 that is 8 x 6 cm. is good quality to interface circuit from Pin of CPU PIC easily. It is used to study operation of circuits by interfacing signal from Connector 34 PIN Female to PROJECT BOARD. We maybe use it with JUMPER SET ET-JWBOX 300 to test with PROJECT BOARD or using with Test Devices and PROJECT BOARD. There are basic devices for testing such as R, C, LED, 7-SEGMENT, KEY SWITCH 3x4, STEPPING MOTOR and etc. It is called ET-HARDWARE KIT V1.
- **CP-PIC V3/458 EXP and V3/877 EXP (ICD2)** consists
 1. Board
 2. CD-ROM User's Manual.



CP-PIC V4/458 (ICD2)
(P-CP-A-00092)

CP-PIC V4/877 (ICD2)
(P-CP-A-00093)



- CP-PIC V4/458 (ICD2) uses CPU PIC18F458 that can run frequency up to 40 MHz ON CHIP FLASH PROGRAM MEMORY 32K BYTE, RAM 1536 BYTE, EEPROM 256 BYTE, A TO D 10 BIT 8 CHANNEL
- CP-PIC V4/877 (ICD2) uses CPU PIC16F877 that can run frequency up to 10 MHz ON CHIP FLASH PROGRAM MEMORY 8 KWOPDS, 368 BYTES RAM/256 BYTES EEPROM, A TO D 10 BIT 8 CHANNEL
- HIGH CURRENT SINK/SOURCE 25/25 mA
- RJ-11 (ICD2) to download program into MCU by ET-PGM PIC USB V1/V1 PLUS/V2, ET-ICDX V1, ET-PGM PIC PK3/PK3 PLUS and SW. to select mode operation
- RS232 ON BOARD, RS422/485 75176 (OPTION)
- PCF 8574 INPUT, I2C OUTPUT PORT (OPTION)
- 34 PIN I/O ET BUS, 10 PIN ET PORT, 10 PIN I2C IN/OUT, 10 PIN I2C BUS, 10 PIN ADC/I/O, CONNECTOR MAGNETIC CARD OF ETT
- RTC PCF8583 that is I2C Interface with internal RAM 240 BYTE (OPTION)
- 24XX 1K-64K BYTE MEMORY (OPTION)
- 1 RELAY 2 CONTRAC COIL 5 VDC (OPTION)
- MINI SPEAKER ON BOARD
- 14 PIN LCD PORT CHARACTER TYPE
- 7805 POWER SUPPLY ON BOARD uses POWER DC 9-12 VOLT
- **CP-PIC V4/458 and V4/877 (ICD2)** consists
 1. Board
 2. CD-ROM User's Manual

