

**ET-BASE PIC40/877**  
(P-ET-A-00268)

**ET-BASE PIC40/458**  
(P-ET-A-00285)

**ET-BASE PIC40/4620**  
(P-ET-A-00286)



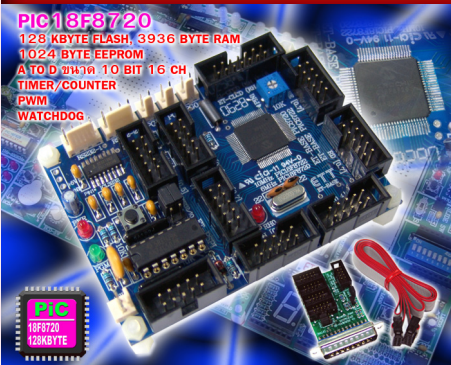
PIC Board from MICROCHIP CO, Ltd. is designed to be mini board to control general applications or use with ET-BASIC I/O V1 to test circuit. There are 3 versions depend on Flash memory size internal MCU.

- Version **ET-BASE PIC40/877** uses PIC16F877-20 DIP 40 PIN, FLASH Memory 8K WORDS, RAM 368Byte, EEPROM 256Byte, A TO D 10 BIT 8 CH
- Version **ET-BASE PIC40/458** uses PIC18F458 DIP 40 PIN to be permanent MCU on board, FLASH Memory 32KBYTE, RAM 1536BYTE, EEPROM 256BYTE, A TO D 10 BIT 8 CH
- Version **ET-BASE PIC40/4620** uses PIC18F4620 DIP 40 PIN to be permanent MCU on board, FLASH Memory 64KBYTE, RAM 3986BYTE, EEPROM 1024BYTE, A TO D 10 BIT 13 CH
- RUN X'TAL 10 MHz, both MCU numbers (PIC18F458 and PIC18F4620) can PHASE LOCK LOOP frequency to run up to 40 MHz
- 4 PORT I/O 10 PIN ET
- 1 RS232 PORT 4 PIN ETT
- I/O HIGH-CURRENT SINK/SOURCE 25mA/25mA
- PWM, WATCHDOG
- POWER SUPPLY 5VDC (can be used with POWER SUPPLY of ETT version ET-SWITCHING ADAPTER 5V 1.2A TYPE H OPTION)
- PCB SIZE 6.2 x 8.1 cm.
- Can download program into FLASH Memory directly as LOW VOLT, using Program WINPIC800 through PORT PRINTER and can run on WINDOWS 98/ME/XP/2000

- **ET-BASE PIC40/877/458 and 4620** consist
1. Board
  2. CD-ROM User's Manual, Example Program
  3. Cable DOWNLOAD ET-CAB10P V2



**ET-BASE PIC8720**  
(P-ET-A-00313)



It is a PIC Board family from MICROCHIP No.PIC18F8722 that has Memory up to 128 KBYTE with I/O 70 BIT. It can be used as a general Board CONTROLLER or can be interfaced with ET-BASIC I/O V1.

- CPU No.PIC18F8720 -I/P,80 PIN TQFP TYPE, FLASH MEMORY 128 KBYTE, RAM 3936 BYTE, EEPROM 1024 BYTE

- RUN X'TAL ON BOARD 20MHz and can set to RUN up to 40MHz
- I/O PORT 70 BIT
- 7 of 10 PIN ET BUS I/O
- 14 PIN LCD PORT CHARACTER TYPE
- 10 PIN ET-PSPI for DOWNLOAD
- 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 POWER SUPPLY from ETT version ET-SWITCHING ADAPTER 5V/1.2A TYPE H (A-AP-A-00058 )
- PCB size 6.2 x 8.1 cm. standard ET-BASE SIZE

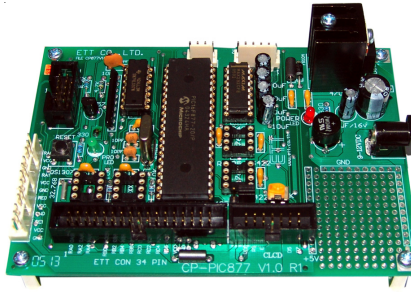
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- Can directly DOWNLOAD Program into Internal FLASH Memory PIC18F8722 as LOW VOLT by using Program WINPIC800 through PRINTER PORT of PC and RUN on WINDOWS 98/ME/XP/2000

- **ET-BASE PIC8720** consists of ...
1. ET-BASE PIC8722 BOARD
  2. CD-ROM User's Manual
  3. CABLE DOWNLOAD ET-CAB10P V2



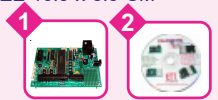
**CP-PIC877 V1**  
(P-CP-A-00029)



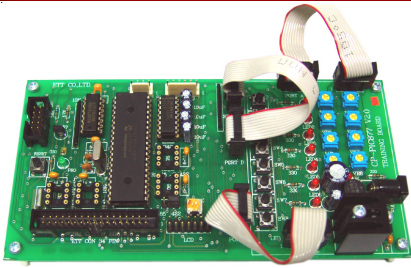
Be able to use ET FLASH TECHNOLOGY INCIRCUIT DOWNLOAD System and write program on Computer PC and then download into board. Uses write program with Basic Language named "PIC Basic PRO Compiler" or Assembly Language or C Language named PIC C COMPILER because it's easily and quickly to use.

- CPU NO.PIC16F877 HIGH PerformanceRisc CPU
- X'TAL 4 MHz 250ns PER 1 INSTRUCTION
- ON CHIP FLASH PROGRAM MEMORY 8 KWORDS (PIC877)
- ON CHIP 368 BYTES RAM /256 BYTES EEPROM (PIC877)
- ADC 10-BIT 8-CHANNEL
- 14 INTERNAL / EXTERNAL INTERRUPT
- SPI & 12C MASTER ON SLAVE MODE
- POWER ON RESET
- RS422/485 1-CHANNEL (OPTION)
- REAL TIM CLOCK DS107 (OPTION)
- ET-BUS 34 PIN
- LCD PORT 14 PIN (4 BIT INTERFACE)
- 5 VOLT REGULATE ON BOARD
- CP-PIC877 V1.0 INCLUDES;
- RS232 1-CHANNEL
- EEPROM 24XX (OPTION)
- PCB SIZE 16.5 x 8.5 CM

1. CP-PIC877 V1.0 BOARD
2. CD-ROM



**CP-PIC877 V2**  
(P-CP-A-00030)



CP-PIC877 V2.0 BOARD is developed from CP-PIC877 V1 BOARD. There's 8-channel VR 10K as Analog Port in Input Port for Test Port A of CPU, 8-channel SW for Test Input, and 8-channel LED for Test Output.

- CPU NO.PIC16F877
- X'TAL 4 MHz 250ns PER 1 INSTRUCTION
- ON CHIP FLASH PROGRAM MEMORY 8 KWORDS (PIC877)
- ON CHIP 368 BYTES RAM /256 BYTES EEPROM (PIC877)
- ADC 10-BIT 8-CHANNEL
- 14 INTERNAL / EXTERNAL INTERRUPT
- SPI & 12C MASTER ON SLAVE MODE
- POWER ON RESET
- RS232 1-CHANNEL
- RS422/485 1-CHANNEL (OPTION)
- REAL TIM CLOCK DS107 (OPTION)
- EEPROM 24XX (OPTION)
- ET-BUS 34 PIN
- LCD PORT 14 PIN (4 BIT INTERFACE)
- VR 10K x 8 FOR TEST ANALOG PORT
- LED x 8 FOR TEST OUTPUT, SWITCH x 8 FOR TEST INPUT
- ETT CON 34 PIN PORTA, C, D
- 5 VOLT REGULATE ON BOARD
- PCB SIZE 16.5 x 8.5 CM
- CP-PIC877 V2.0 INCLUDES;

1. BOARD
2. CD-ROM
3. CABLE DOWNLOAD ET-CAB10P V2

