ET-PIC STAMP 18F87K22 (ICSP)
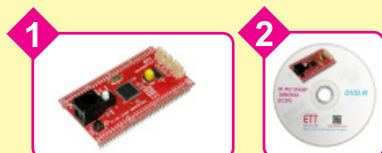(P-ET-A-00487)

ET-PIC STAMP 18F87K22 is Board Microcontroller in a series of PIC 18F87K22 80PIN TQFP from MICROCHIP. Board designs I/O of MCU to CONNECTOR in the format of DIP, so it is easier to apply this board or its interface with PROJECT BOARD easily. It provides 2-CH of Connector RS232 that has already been passed LINE DRIVER, including Connector +5V. DOWNLOAD program into board through Connector RJ11 by using Programmer ET-PGM PIC USB PK3, PK3 PLUS from ETT or PICKIT3, ICD3 from MICROCHIP.
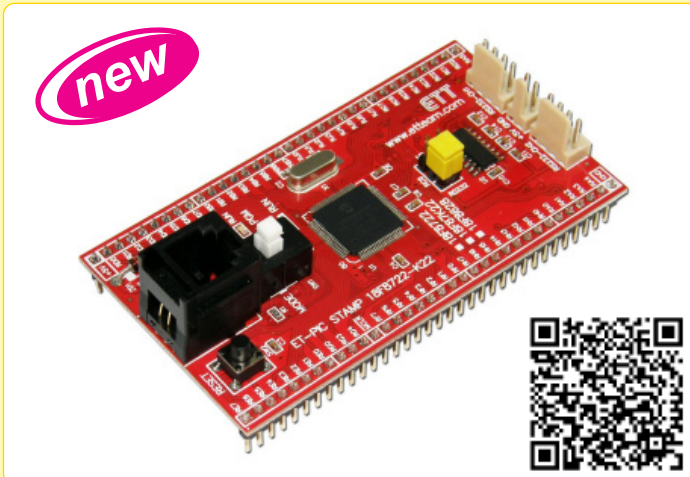
Specifications of MCU 18F87K22

- MCU runs in the Frequency range of 1.8V-5.5VDC; 80 PIN TQFP
- The maximum Frequency is 64 MHz.
- 128 KBYTE FLASH PROGRAMMER; 1024 BYTE EEPROM; 4 KBYTE RAM
- Has I/O = 69 PIN, ADC 12 BIT 24 CH, I2C or SPI = 2 CH
- Has UART = 2 CH, PWM = 7 CH (CCP), and 3 CH (ECCP)
- Has TIMER 8 BIT = 6 TIMER and TIMER 16 BIT = 5 TIMER
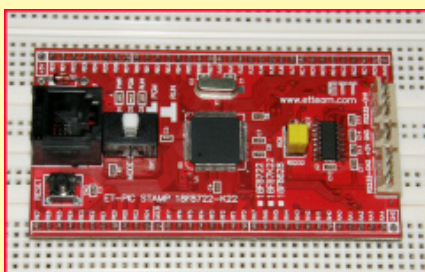

Specifications of Board ET-PIC STAMP 18F87K22

- DOWNLOAD program through Connector RJ11 by External Programmer such as ET-PGM PIC PK3, PK3 PLUS or PICKIT3, ICD3
- Has 2-CH of Connector RS232 4 PIN ETT that has already been passed LINE DRIVER
- Board uses X'TAL 16 MHz; it can use PLL internal MCU to increase the frequency up to 64 MHz
- Connector of board is designed to be PIN HEADER 2.54 mm. PITCH, 34 PIN per each side (68 PIN for both sides)
- POWER SUPPLY 5VDC is 2PIN POWER INPUT (it can use ET-SWITCHING ADAPTER 5V/2V TYPE H (OPTION))
- PCB Size: 8.8 x 4.8 cm.
- **ET-PIC STAMP 18F87K22** consists of…
1. Board ET-PIC STAMP 18F87K22
2. CD-ROM Program and Manual

ET-PIC STAMP 18F8722 (ICD2)
(P-ET-A-00400)

ET-PIC STAMP 18F8628 (ICD2)
(P-ET-A-00375)
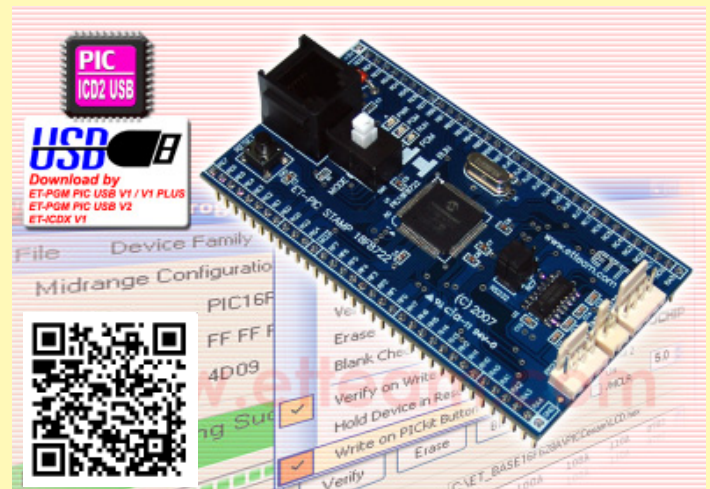
PIC Board of MICROSHIP is designed as compact board that is easy to use or connect with PROJECT BOARD. Moreover, there's necessary devices to use or develop board with ET-PGM PIC USB V1/V1 PLUS/V2, ET-ICDX V1, ET-PGM PIC PK3/PK3 PLUS that can be connected PORT USB of computer and Board ET-PIC STAMP through standard Connector RJ-11 (ICD2).

There are 2 models

1. ET-PIC STAMP 18F8722 (ICD2) Use 80PIN TQFP TYPE MCU No.PIC18F8722 128 KBYTE FLASH MEMORY, 3936 BYTE RAM, 1024 BYTE EEPROM, A TO D 10 BIT 16 CH.
2. ET-PIC STAM 18F8628 (ICD2) Use 80PIN TQFP TYPE MCU No.PIC18F8722 128 KBYTE FLASH MEMORY, 3936 BYTE RAM, 1024 BYTE EEPROM, A TO D 12 BIT 16 CH.

- RUN X'TAL ON BOARD 10MHz; can set RUN up to 40MHz inside MCU from X'TAL 10 MHz
- 70 BIT I/O PORT
- RJ-11 (ICD2) to download program into CPU by ET-PGM PIC USB V1, ET-PGM PIC USB V1 PLUS, ET-PGM PIC USB V2.0, ET-ICDX V1.0, ET-PGM PIC PK3, ET-PGM PIC PK3 PLUS and there's SW to select operation mode
- RS232 PORT 2 CHANNELS CONECTOR 4 PIN ETT (ICL3232 ON BOARD)
- FUNCTION internal MCU; A TO D 10 BIT 16 CH, TIMER/COUNTER, PWM, WATCH DOG
- PIN HEADER Connector from board is 2.54mm wide interval between each pin; there are 34 PIN per each side (68 PIN)
- POWER SUPPLY 5VDC, 2 PIN POWER INPUT (can be used with DC POWER ET-SWITCHING ADAPTER 5V/2A TYPE H OPTION)
- PCB Size 8.8 x 4.8 cm.
- ET-PIC STAMP 18F8722 (ICD2) / ET-PIC STAMP 18F8628 (ICD2) consists of
1. BOARD
2. CD-ROM User's Manual and Example Program
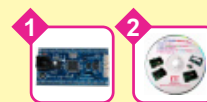
*** Board CP-PIC V3/458 (ICD2), CP-PIC V3/877 (ICD2), CP-PIC V3/458 EXP (ICD2), CP-PIC V3/877 EXP (ICD2), CP-PIC V4/458 (ICD2), CP-PIC V4/877 (ICD2) can download program into MCU by ET-PGM PIC USB V1 or ET-PGM PIC USB V1 PLUS or ET-PGM PIC USB V2.0 or ET-ICDX V1.0 through PORT RJ-11 (ICD2) ***

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