

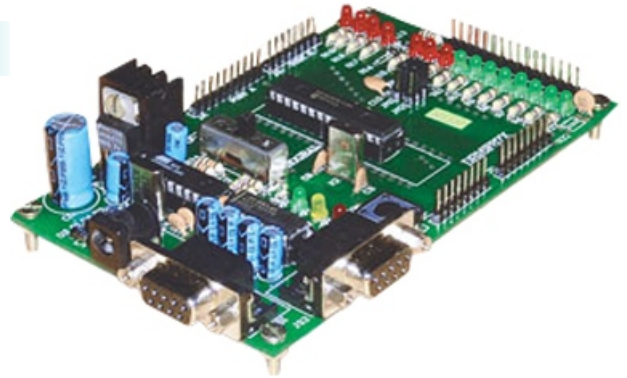


Model: 16F87X

EDS 16F87X is an integrated programmer and development board for embedded systems applications. It is an excellent low cost system for learning embedded programming and comes complete with assembler and support for serial downloading of embedded software from the PC to get your application working in the least time.

Features

- 2K x 14 Words of In-System Reprogrammable Downloadable Flash memory
- 64 x 8 Bytes EEPROM memory
- 128 x 8-bit RAM · Clock - 6 MHz .
- 10 bit Analog to Digital Converter
- Three 16-bit timers and programmable watchdog timer
- One Capture/Compare/PWM Module



The target board can be run in two modes PROGRAM mode and RUN mode by selecting the slide switch S1. In the PROGRAM mode, the flash memory can be programmed with the user developed code in hex format from the PC to the target device Microchip 16F877A. In the RUN mode the code that was just downloaded can be executed from a position of RESET as a standalone embedded system. The I/O Port pins of the target device are accessible at connectors for interface to external devices. Also LEDs are provided at PORTB and PORT C to verify test programs. The status of the flash programmer is indicated by a set of three separate LEDs. Reset switch S2 is provided to execute the program code from the reset status of the device.

Product Includes

- EDS16F877A Target Board
- RS232 Serial Cable
- Product Information CD-ROM.
- AC Power Adapter (9V AC Output)

CD Contents

- EDS16F87X Programming Utility
- MPASMWIN assembler for Microchip family
- Installation utility (SETUP.EXE)
- Source code example (demo1.asm)
- Schematic diagram of the circuit board (Schematics.doc)



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