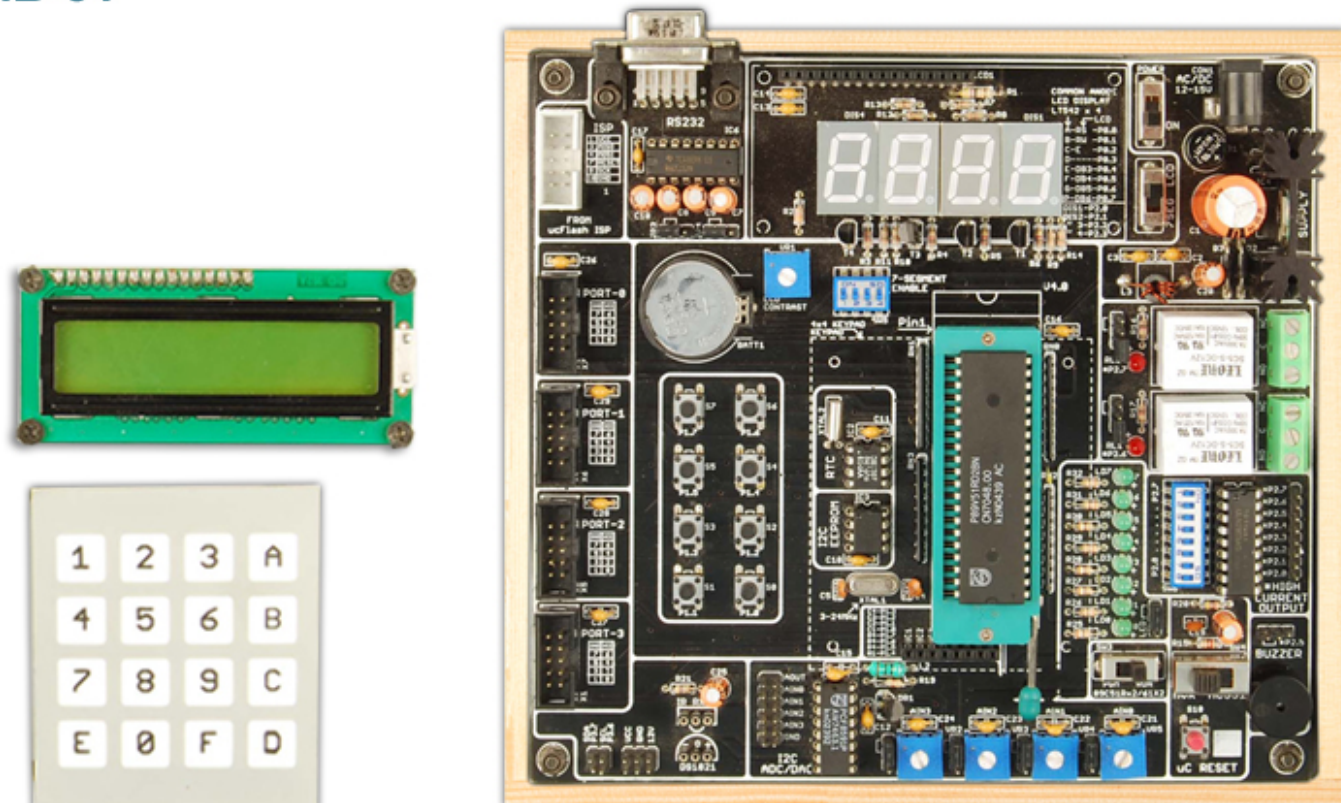


EMB-51



FEATURES

- Experimental board for 40-pin MCS51 and AVR family of microcontrollers
- In-System Programming (ISP) facility for many microcontrollers
- Double RESET signal with manual key
- Crystal frequency: 11.0592MHz
- On-board RS232 Compatible Serial Interface terminated in a 9-Pin 'D' female connector
- 4x4 Matrix Keyboard
- 16x2 Alphanumeric LCD connector (4-bit interface) and trimmer for contrast adjustment
- Four 7-Segment LED Displays
- I2C EEPROM (24Cxx)
- Real Time Clock (DS1307) with Lithium battery and SRAM
- 8-High current output port (500mA) for driving external loads
- Two 12V Sugar Cube Relays
- Continuous Tone Piezo Buzzer
- Four 8-bit A/D converter one 8-bit D/A converter provided by PCF8591
- All port-pins available on 10-pin box header
- Eight LEDs for easy logic state monitoring
- Eight Input Trigger Switches using 8 push buttons
- ISP Programming with Flash ISP for AT89S51/52
- RC-5 Infrared remote control receiver module

DELIVERABLES

- Flash ISP Programmer
- RC5 - IR Remote Handset
- Serial connecting cable
- Set of Jumpers
- 4 X 4 Key Board
- 16 X 2 LCD Module

IC's supported

- AT90S8515/4414

Included in the Kit:

- AT 89S51/52 (P89C51RD2)
- ATMEGA161/162/8515 (P89C61X2BN)

Installable Software on CD

- **Programmers Notepad**

Free, open source, text editor

Flash Programmer Software:

- Flash ISP Programmer software for 89SXX
- **Bascom Basic Compiler**
Demo Version
- **WinAVR**
Open Source C Compiler for AVR
Sample Programms for Peripherals

Power Supply

Input : AC 100 to 240V

Output : DC 12V 2500mA.

FALCON ELECTRO - TEK PVT. LTD.

Hema Industrial Estate, Sarvoday Nagar, Jogeshwari (East), Mumbai - 400 060, INDIA

Tel : + 91 22 28348429 / 28248665 / 28346339 / 28343608. Fax: + 91 22 28370165, email: falcon@falconindia.biz, www.falconindia.biz

*Specifications of the products mentioned in this catalog are subject to change due to constant upgradation and availability of components in the international market.