Specifications
- CPU: Microchip 18F4550 operating on crystal frequency @ 20MHz.
    - On-chip 32KB Flash memory and 2048 byte SRAM.
    - On-chip 256byte EEPROM.
    - On-chip UART, SPI, I2C, PWM.
    - On-chip 8 Channel 10 bit ADC.
    - On-chip 32 I/O Lines are provided in four 16 pin Connector.
    - CPU provided on ZIF Socket.

- ISP Programming facility.
    - 10 pin ISP Connector provided on board for Programming.
    - ISP selection Key is provided
    - USB based JTag Programmer/Recorder in metal enclosure.

- On-board Reset Key.

- Mini Signal Generator
    - Fixed TTL clock of frequencies 10 Hz, 100 Hz, 1KHz & 10 KHz.

- Onboard Applications
    - 8 LED's to display Digital Output.
    - 8 Switches to give Digital Input indicated by LED's.
    - 2 Bicolor LEDs to display.
    - 16x2 Alphanumeric LCD backlit display.
    - 4x4 Matrix Keyboard.
    - 500 Tie Points Bread Board Area provided

- Piezoelectric Buzzer.
- SPI Digital Potentiometer using MCP41010
- Four nos. of 12V SPDT Relay.
- 4 digit seven segment displays.
- 8 inputs & 8 Outputs are Optically Isolated using Pc817

- 12V DC Motor interface Photo detector assembly

- I2C compatible:
    - 24C512 EEPROM (64KB)
    - DS1307 RTC with suitable battery
    - 4Ch. 8bit ADC & 1Ch. 8 bit DAC using PCF8591.

- Temperature sensor interface using Lm35.
- Resistive Heater for Temperature Sensor.
- Temperature sensor interface using DS18B20.
- RS232 Serial Interface provided through 9 Pin D-Type Connector
- 24 I/O Lines Provided on a 26 pin FRC Connector for external interface.

- On board supply + 12V/1A, 5V/2A is Provided.
    - Supply Input Voltage: 230V AC.
    - All ICS are mounted on IC Sockets.
    - Bare board Tested Glass Epoxy SMOBC PCB is used.
    - Attractive Metallic enclosures.
    - 9 Pin Serial Cable & USB Cable Provided
    - Software in windows XP/2000
    - User's Manual with sample programs for all on board features

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in