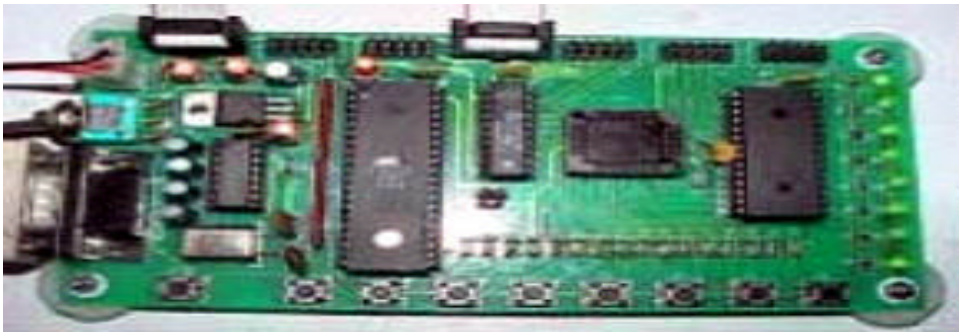
89C51 AND AVR ATMEGA 128 DEVELOPMENT KITS

About 99% of the Microprocessors manufactured end up in embedded systems. Embedded system development is the most lucrative career option for all engineers. To get a head start in Embedded system development using the most widely used 8-bit micro-controllers, the 89C51 and AVR development kits have been developed. The kits consist of the Development board, GNU cross-compiler tools, Simulator for Microcontroller and sample application programs.

89C51 MICRO-CONTROLLER DEVELOPMENT KIT FEATURES



89C51 Micro-controller Development Kit

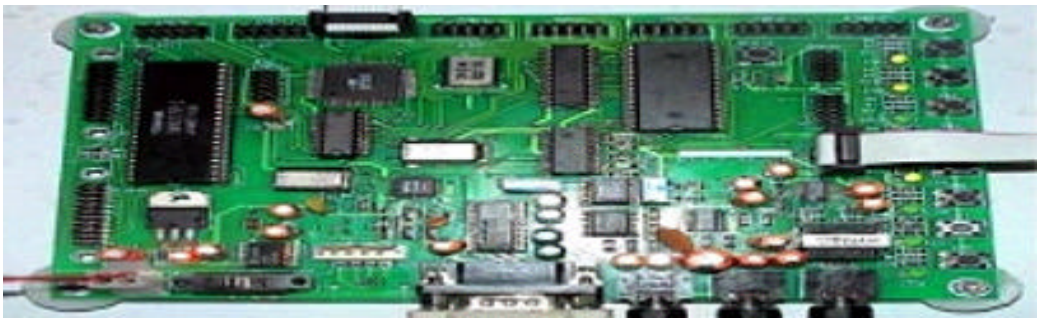
On-board 64 MB code flash and 32 KB Data RAM
RS-232 Interface
Regulated Power Supply
8 Push Buttons
8 LEDs
All I/O ports easily accessible through Pin Header Connectors.
Option of using External Program Memory or Internal Program Memory
11.059 MHz crystal
The Micro-controller can be any of the MCS-51 compatible 40 Pin DIP micro-controllers.

APPLICATIONS

This kit can be used to learn the basics of embedded system development for applications such as

Serial communication programming
File transfer
Smart card applications.

AVR ATMEGA 128 DEVELOPMENT KIT FEATURES



AVR ATMEGA 128 Development Kit

Built around powerful AVR advanced RISC architecture ATMEGA128-16 AI Micro controller, with maximum 16 MIPS at 16 MHz clock.
Microphone input through 3.5mm Stereo Jack.
Tape / CD Input through 3.5 mm Stereo Jack.
Speaker Output through 3.5mm Stereo Jack.
On board Date Memory 32 K x 8
Interface Connectors

1. All I/O Ports easily accessible through Pin Header Connectors
2. 4 x 4 Keypad Connector
3. 12 x 1 LCD Connector
4. RS232 Connector
5. USB Connector
6. Interrupt Connector
7. Serial Peripheral Interface (SPI) Connector
8. Two Wire Interface (TWI) connector
9. In – System programming (ISP) Port

General Purpose I/O: 8 Push Button Inputs and 8 LED Outputs
Voltage Regulators

APPLICATIONS

Using this board, you can develop a variety of applications such as
Programming for serial communication using RS232 and USB
Speech encoding and decoding
Digital Audio Recorder based application.
Generation of Waveforms.
LCD and Keypad Interface applications.
Implementation of scheduling algorithms.
Porting an operating system on to the board to develop Real Time Applications.

This kit can be used effectively by engineering colleges / training institutions for laboratory work in embedded systems and Microprocessors and also by final year students for their project work.

For Further information, please Contact:

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