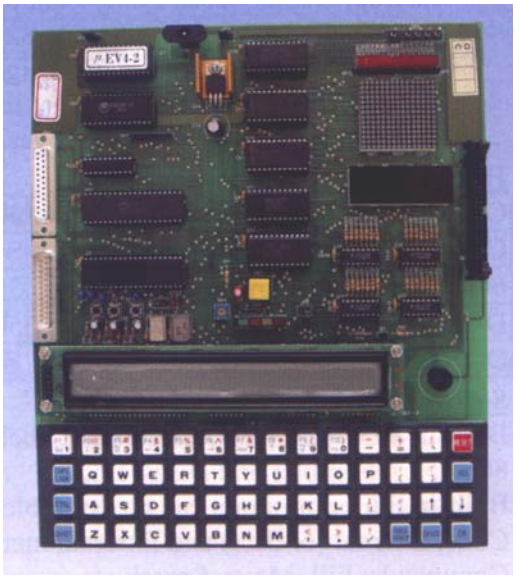
ablelogic

MODEL: BGC-8052

Intel 8051 Standalone Microcontroller Training System



FEATURES:

An easy to operate education microcontroller training system based on the popular Intel 8051 microprocessor. An user friendly standalone system with unsurpassed features. Programs commands can be keyed in directly using the keyboard or downloaded into the target board using a host computer.

The architecture and standard addressing modes makes it a straight forward and easy to teach and study. It is also a suitable target system to develop & run interface application controlled programs, developed based on this controller.

Comes with experiment modules on-board to teach common microcontroller programming & interfacing application.

TECHNICAL SPECIFICATION:

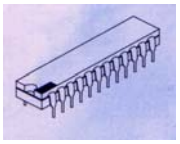
- CPU: Intel 8032
- Oscillator: 11MHz
- RAM: 32K Byte SRAM
- ROM: 32K Byte EPROM (Firmware)
- I/O Range: 7F00 – 7FFF
- 56-Keys Keyboard with ASCII Symbols
- 40x 2 LCD
- Centronics Printer Interface On-Board
- Serial RS232C Interface On-Board
- Expansion Interface for: Data Bus, Port 1 & 3, Vcc, GND, Decoded I/O Address, Control Signals
- Status LED Indicator On-Board
- Built-in Speaker
- Power Supply: Unregulated 9 – 13VDC
- 8051/52 Assembler/Disassembler
- Two Pass Assembler
- Internal Memory View & Edit
- Program Memory Display, Edit, Fill, Move
- SFR register contents Display & Rewrite
- Single Stepping
- Breakpoint Setting
- User Program Run

ON-BOARD EXPERIMENTS:

- 4-Digit Counter
- UP/DOWN Counter
- LED Shifting
- Static Scanning
- LCD Display
- Dot Matrix Display
- Versatile LEDs Displaying

SYSTEM CONTENT:

- System Board
- Power Supply Unit
- RS232C System Disk
- User Guide
- RS232C Cable
- Sample Programs (On-Disk)
- Assembler (On-Disk)



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