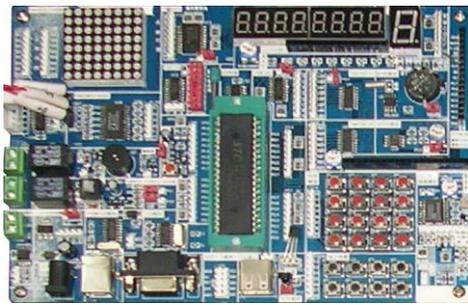


8051 MICROCONTROLLER TRAINER

Model Number : GOTT-MCT-STC8051



OPTIONAL APPLICATION MODULE
 Please refer to page "Microprocessor / Microcontroller Application Module".

DESCRIPTION

This product is a highly cost-effective product, providing both USB2.0 and serial communication, USB to achieve power, programming, simulation, and communication functions, in addition to providing ISP Atmel microcontroller interface.

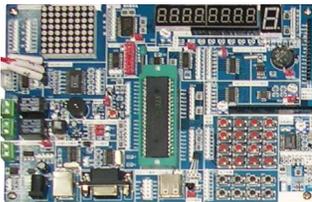
SPECIFICATION

- CPU: Intel 90C52 CMOS
- On-board DIP40 and PLCC CPU sockets
- Clock Frequency : 22 MHz
- RAM : 32K Bytes
- Serial Ports
- 8-bit A/D converter
- Built in UART for serial interface
- Built-in signal amplifier module
- Built in programmable timer
- Interrupt Support
- 16 Faults Switch simulator
- LP Levels : Low (LED-Green/Indicator-0)
- High (LED-Red/Indicator-1)
- ROM Debugger
- Parallel Digital I/O : 48 I/O lines via 2 x 8255 PPI via pin headers
- LCD display : 16 x 2 with backlight
- Keyboard interface: 20 keys
- Digital I/O Connector : 34 way FRC
- Expansion Bus Connectors : Via DHI headers
- Simulated Digital Input : 8-Bit DIP Switches; Configurable
- Simulated Digital Output :8-Bit Output LEDs; Configurable
- Battery backup function for RAM
- Support PC-based programming

PRODUCT MODULES

MICROCONTROLLER MODULE

CODE
386-002



With USB, RS232 serial, PS / 2 variety of communication interfaces, programming, simulation, experimental boards, ISP download cable.

Just a USB data cable, you can get all of the power supply, communication, program recording, simulation and other functions.

MCU I / O interfaces and external resources to fully open, the unprecedented freedom and flexibility, free from the shackles of any hardware that can dig down to the microcontroller for each foot.

Development board has all the features of the others (including the 4 AD and 1 DA) with an open circuit schematic and MODBUS protocol communication.

EXPERIMENT TOPICS:

- LED lighting
- Keypad
- Buzzer
- Relay
- Decoder experiment
- 7-Segment display
- LED – Static & Dynamic
- Dot Matrix LED
- PWM
- Stepper Motor
- EEPROM
- AD-DA Conversion
- RTC real time clock (DS1302)
- LCD display
- 18B20 – Temperature sensor
- Matrix keyboard
- Infrared
- Photosensitive & thermal experiment
- Interrupt
- Microcontroller IO expansion

OPTIONAL APPLICATION MODULE:

Please refer to page "Microprocessor / Microcontroller Application Module (GOTT-MMA-921)".

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
8051 MICROCONTROLLER TRAINER	GOTT-MCT-STC8051	386-000

* Proposed design only, subject to changes without any notice.