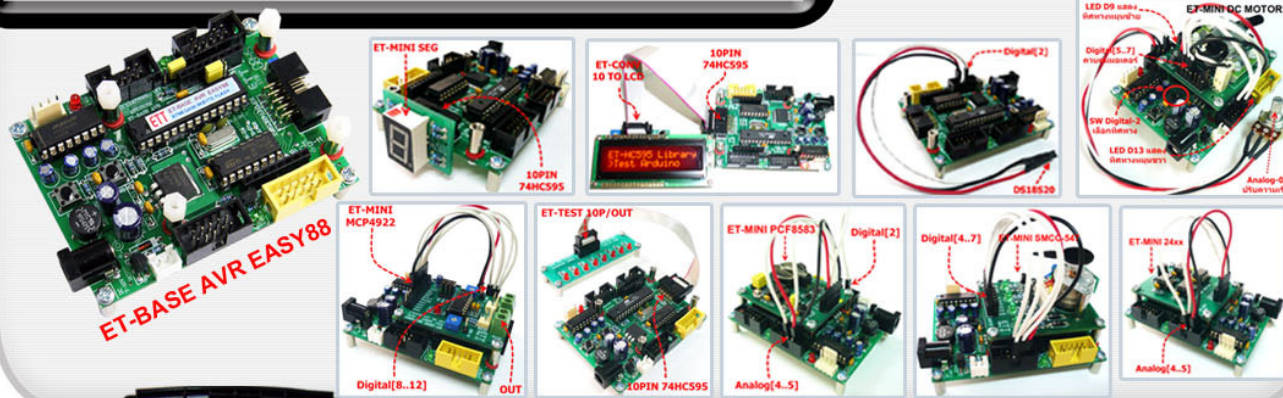
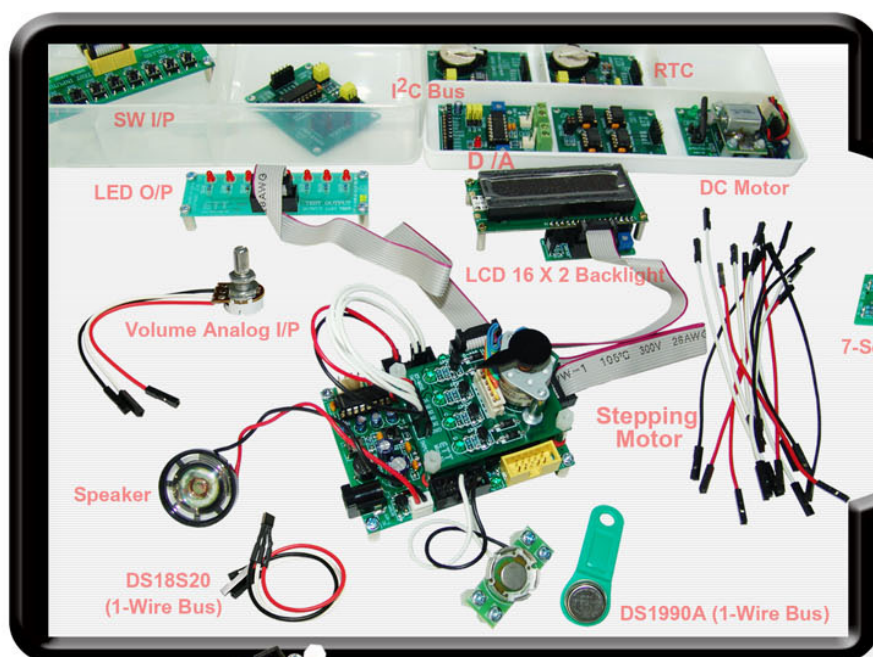


**ET-BASE AVR EASY88 TRAINING BOX (P-ET-A-00388)**

ET-BASE AVR EASY88 TRAINING BOX is the kit that is suitable for learning and understanding the operation of AVR MCU No. ATMEGA88 by C Language (C++) of Arduino Project in the format of OPEN SOURCE. User can write Program by C Language and can directly download data from computer PC into board through PORT RS232. Moreover, this kit includes many devices and circuits to test operation, including C Language Program with detailed description.

**User can learn and test operation as follows;**

1. Structure of writing C Language Program
2. Application of C Language Commands
3. Experimentation with DIGITAL INPUT/OUTPUT
4. Experimentation with ANALOG INPUT
5. Experimentation with LCD Display
6. Experimentation with SOUND SPEAKER
7. Experimentation with STEPPING MOTOR
8. Experimentation with DC MOTOR
9. Experimentation with 1-WIRE BUS Devices
10. Experimentation with I2C BUS Devices
11. Experimentation with SPI Devices
12. Experimentation with INTERNAL MEMORY



This ET-BASE AVR EASY88 TRAINING Kit is contained in good quality plastic box, it is suitable for using and keeping the training kit completely. This training kit consists of Board and many Test Boards for testing as follows;

1. Board ET-BASE AVR EASY88 is the main Board MCU to test;
  - Use AVR MCU No. ATMEGA88 that has 8 KBYTE FLASH Memory, 1 KBYTE SRAM, 512 BYTE EEPROM, and run at Frequency 16.00 MHz.
  - Has 3 PORT I/O 20BIT (PB 6BIT), (PC 6BIT), (PD 8BIT) that are RS232, SPI, I2C, TIMER/COUNTER, A TO D 10BIT 6-CHANNEL.
  - Has 3 Connector 10PIN ET, and 1 Connector OUTPUT 10PIN IDE ET by 74HC595.
  - Has SW RESET and SW BL(PD2) to reset board to run in BOOTLOADER through PORT RS232.
  - Has RS232 PORT 4PIN ET for using and downloading program.
  - Has 10PIN IDE according to the standard of AVR ISP to program data, not through PORT RS232.
  - Has Base on Board to install Board ET-MINI I/O directly; so, it is more convenient to test.
  - Use 7-10VDC POWER SUPPLY, LM2940 (LOW DROP) ON BOARD.
2. ET-MINI MCP4922
3. ET-MINI DC MOTOR
4. ET-MINI SMCC-547
5. ET-MINI DS1307
6. ET-MINI PCF8583
7. ET-MINI PCF8574
8. ET-MINI 24xx
9. ET-MINI SEG-A
10. ET-TEST 10P/OUT
11. ET-TEST 10P/INP
12. ET-CONV 10 TO LCD
13. 1-WIRE BUS DS1990A
14. LED BACKLIGHT 16-CHARACTER with 2-LINE
15. SPEAKER, VOLUME, DS18S20 16, DC ADAPTER 10 VDC 850mA
16. User's Manual of "Learning and Understanding AVR Microcontroller by Arduino" is published by good quality paper for 544 Pages. (Thai language)
17. CD-ROM with C Language and Example program for testing
18. Good quality of plastic box to keep ET-BOX1 Kit.

# Arduino Training