ET-AVR STAMP ATMEGA64 V2.0
(P-ET-A-00433)

ET-AVR STAMP ATMEGA128 V2.0
(P-ET-A-00367)

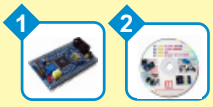
ET-AVR STAMP ATMEGA64 is Board AVR family from ATMEL Co, Ltd.
It is designed to be a small board, so user can apply it for many project works easily and can be interfaced with PROJECT BOARD for demonstrative circuits.

- MCU AVR FAMILY No.ATMEGA64-16AI 64 PIN TQFP FLASH MEMORY 64KBYTE, RAM 4KBYTE AND EEPROM 2KBYTE
- MCU AVR family No.ATMEGA128-16 64PIN TQFP type 128 KBYTE FLASH Memory, 4 KBYTE RAM, 4 KBYTE EEPROM
- X'TAL RUN 16MHz
- Support 2 procedures to program data into MCU internal Board;

1. Using economical set "ET-AVR ISP" to interface with PRINTER PORT
2. Using "ET-AVR JTAG (RS232) V1 and "ET-AVR START KIT", it can be DOWNLOAD program and DEBUG as REAL TIME type by "ET-AVR JTAG (RS232)V1.0

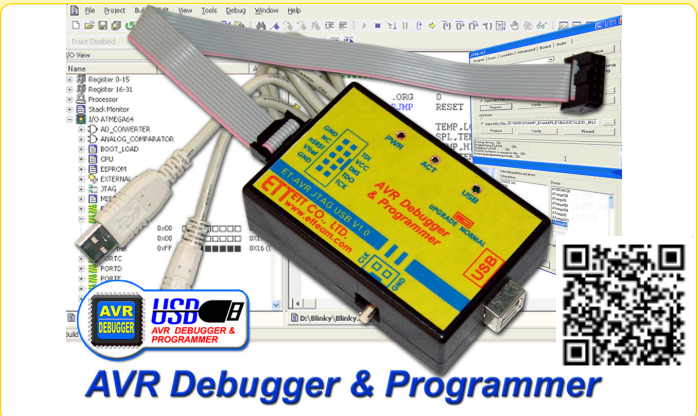
- 53 I/O PIN can be interfaced with I/O 5V
- 10 BIT A TO D 8 CHANNEL
- USART 2 CHANNEL
- SPI
- I2C
- TIMER/COUNTER 8-16 BIT
- 8 BIT PWM
- WATCHDOG
- RTC
- 10 PIN ET PSPI
- 10 PIN ET PORT C
- POWER SUPPLY can be interfaced with 5VDC
- ET-AVR STAMP is designed to be board for placing on Connector PIN HEADER 2.5mm. (25PIN per side) and can be interfaced with "ET-AVR START KIT V1/EXP" directly.
- ET-AVR STAMP ATMEGA128 consists of

1. BOARD ET-AVR STAMP ATMEGA128
2. CD-ROM User's Manual Program and Example Program



ET-AVR JTAG USB V1 (P-ET-A-00319)

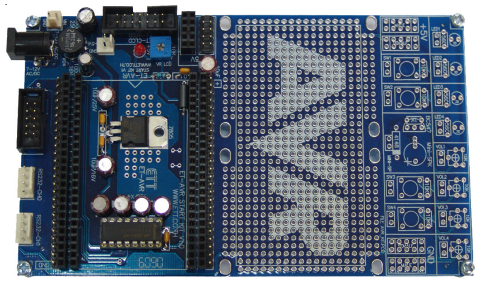
ET-AVR JTAG USB V1 is a board that is designed to download and debug AVR MCU of ATMEL. There's a part of JTAG INTERFACE on MCU that can interface through 10 PIN AVR JTAG. It must use with Program AVR STUDIO 4.XX by interfacing through Connector USB PORT of computer PC.



- Specifications of ET-AVR JTAG USB V1 are equivalent to AVR JTAG of ATMEL
- Programming into MCU and debugging as Real Time
- Can upgrade new Firmware directly through Program AVR STUDIO 4 for using with new MCU numbers
- Can interface with board that has POWER SUPPLY from 2.7V to 5.5V
- 10 PIN AVR JTAG can be used with ETT Boards that have Connector 10 PIN AVR JTAG such as ET-AVR START KIT V1/EXP
- ET-AVR JTAG USB V1 consist of

1. Board ET-AVR JTAG USB with box and cable 10 PIN
2. Cable USB TYPE A/B
3. CD-ROM

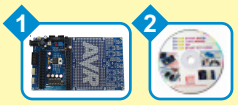
ET-AVR START KIT V1 (P-ET-A-00279)



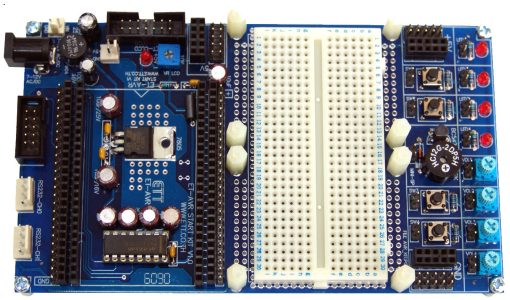
We interface board ET-AVR START KIT V1 with board ET-AVRSTAMP ATMEGA64. In this case, we must interface board ET-AVR START KIT V1 to be base Board of AVR-STAMP. Moreover, there's POWER SUPPLY and CONNECTOR for interfacing circuit or interfacing with demonstrative board.

- 2 SETS OF 25 PIN x 2 FEMALE HEDAER, 25 PIN x 2 MALE
- CIRCUIT POWER SUPPLY 5VDC, 2 SETS OF CIRCUIT RS232 4 PIN
- 14 PIN LCD PORT AS CHARACTER TYPE
- 10 PIN AVR JTAG, USING POWER SUPPLY WITH BOARD 7-12 VDC (VERSION ETT DC ADAPTER 10VDC/800mA)
- PCB SIZE 15.3 x 9 CM.
- ET-AVR STRAT KIT V1 INCLUDES...

1. BOARD ET-AVR STRAT KIT V1
2. CD-ROM WITH USER AMNUAL AND SAMPLE PROGRAM, SAMPLE PROGRAM FOR DEMONSTRATION WITH BOARD, AND SAMPLE DEMONSTRATION WITH ET-MINI I/O BY USING ASSEMBLY, BASIC, AND C LANGUAGE.

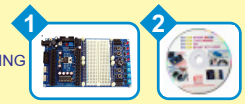


ET-AVR START KIT V1 EXP
(P-ET-A-00280)

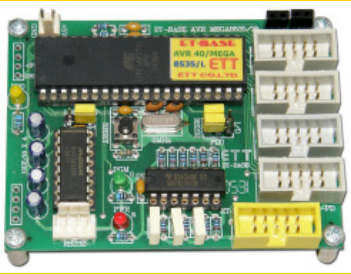


- ET-AVR START KIT EXP IS EXPANDED FROM VERSION KIT V1, WE USE THIS VERSION FOR INTERFCAING WITH ET-MINI I/O BOARD AND THE ADDITIONAL CIRCUITS AS SHOWN BELOW;
  - PROJECT BOARD AD-100
  - 4 VR
  - 4 TACT SW
  - 4 LED DOT
  - 1 MINI SPEAKER
- ET-AVR START KIT V1 EXP INCLUDES...

1. BOARD ET-AVR START KIT V1 EXP
2. CD-ROM WITH USER AMNUAL AND SAMPLE PROGRAM, SAMPLE PROGRAM FOR DEMONSTRATION WITH BOARD, AND SAMPLE DEMONSTRATION WITH ET-MINI I/O BY USING ASSEMBLY, BASIC, AND C LANGUAGE.



ET-BASE AVR40/8535 (P-ET-A-00267)



It is board AVR family No. ATMEGA8535 40 PIN from ATMEL can be used as general controller or interfaced with ET-BASE I/O V1. Moreover, it can be used with Cable ET-FF BOX 120 (OPTION) or ET-FM BOX 120 (OPTION)

- CPU ATMEGA DIP 40 PIN, 8K BYTE FLASH MEMORY, 512 BYTE INTERNAL RAM, 512 BYTE EEPROM
- A TO D 10 BIT INTERNAL 8 CHANNEL
- RUN X'TAL 8MHz
- 4 PORT I/O 10PIN ET
- POWER SUPPLY 5VDC (can use POWER SUPPLY ET-SWITCHING ADAPTER 5V 1.2A TYPE H OPTION)
- DOWNLOAD PROGRAM into INTERNAL FLASH MEMEORY by using ET-CAP10P through PORT PRINTER DB 25 PIN from computer PC
- PCB SIZE 6.2 x 8.1 cm.
- ET-BASE AVR40/8535 consists of

1. BOARD BASE AVR 40/8535
2. CD-ROM User's manual PROGRAM for running on WINDOWS 98/ME/XP/2000,
3. CABLE DOWNLOAD ET-CAB10P V2

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