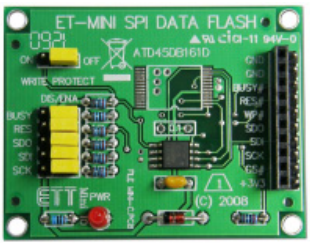
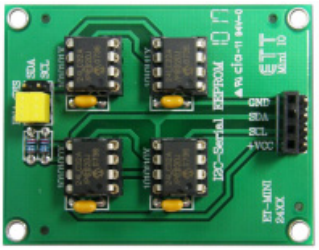
ET-MINI SPI DATA FLASH (P-ET-A-00306)



It is a Board of 2MBYTE FLASH Memory by using IC No.AT45DB16 from ATMEL, so it can be applied for storing data or DATA LOGGER.

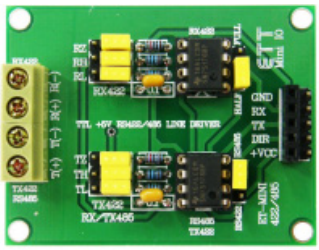
- Use IC No.AT45DB16
- 2MBYTE FLASH Memory (4096 PAGES x 528 BYTES)
- SPI Interface and using with POWER SUPPLY range from 2.5 to 3.3V
- Can be interfaced Pin Signal INPUT with Pin Signal 5V
- PCB size 4.4 x 5.6 cm. with User's Manual and Example Program in CD

ET-MINI 24XX (P-ET-A-00236)



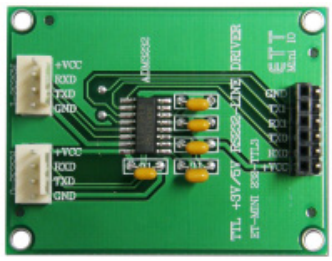
It is experiment of I2C by using 2 KBYTE IC EEPROM NO.24LC16 4 CHANNEL and be able to use in different point of I2C PORT HEADER MALE 4 PIN and FEMALE 4 PIN.

ET-MINI 422/485 (P-ET-A-00235)



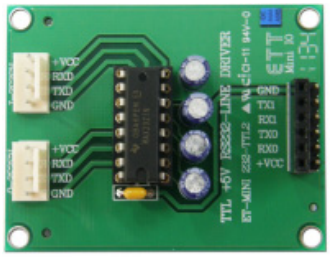
It is experiment or connect with RS422/485 circuit by using IC 75176 x 2 and connecting in RS422 or RS485 Type with Jumper. Be able to set PORT HEADER MALE 5 PIN and FEMALE 5 PIN.

ET-MINI 232-TTL3 (P-ET-A-00231)



It is experiment or connect with RS232 circuit. Be able to use Power Supply VCC 3V to 5VDC and be able to connect RS232 2 channel 4 PIN ETT HEADER MALE 6 PIN AND FEMALE 6 PIN. Use IC DRIVER NO.ADM3232 OR other replaceable number.

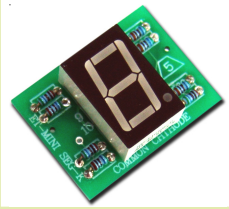
ET-MINI 232-TTL2 (P-ET-A-00230)



It is experiment or connect between RS232 with VCC 5VDC / 2 channel RS232 4 PIN ETT PORT HEADER MALE 6 PIN and FEMALE 6 PIN uses IC DRIVER NO.MAX232.

ET-MINI SEG-K (P-ET-A-00244)

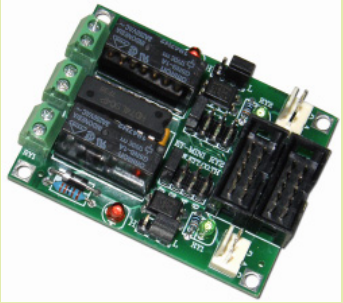
ET-MINI SEG-A (P-ET-A-00243)



It is circuit of 7-Segment Red 1 Digit with R circuit connect with 7-Segment INPUT 10 PIN FEMALE and be bale to connect with PORT I/O 10 PIN ETT directly.

- ET-MINI SEG-K USES 7-SEGMENT NO. TOS-5161A COMMOND CATHODE CONNECT WITH PORT SOURCE CURRENT
- ET-MINI SEG-A USES 7-SEGMENT NO. TOS-5161B COMMOND ANODE CONNECT WITH PORT SINK CURRENT

ET-MINI RELAY2 (P-ET-A-00360)



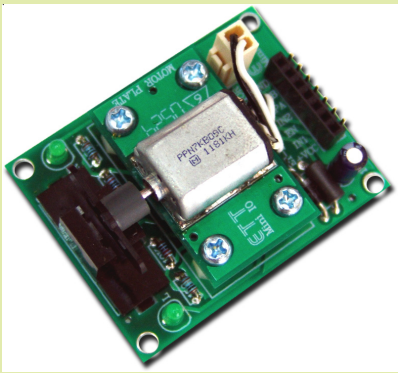
It is MINI Board version from ETT that uses 2 mini LOW POWER RELAY Circuits on board.

- Use 2 mini RELAY 12VDC, 1 CONTACT, 3A/250VDC
- Connect INPUT TTL to be 2 I/O 10 PIN ET Connectors, be able to select Bit by Jumper and 2 sets of 3 PIN INPUT Connector (WAFER 3 PIN 2.54 mm.)
- 2 Output RELAY Contact that are 2 PIN TERMINAL type
- 5VDC Power Supply and 12 VDC Power Supply for Coil RELAY

ET-MINI SMCC V2 (P-ET-A-00442)

It is MINI Board Set to test STEPPING MOTOR that has been improved to interface with power supply to drive external STEPPING MOTOR; moreover, there is a particular Power Supply to drive Stepping Motor. It uses IC No.MC34063 and 4-Coil STEPPING MOTOR. It uses 4 TR BC337 with LED to display the operating status and indicator to show directional rotation of Connector PIN HEADER 6 PIN.

ET-MINI DC MOTOR (P-ET-A-00232)



It is experiment of DC MOTOR Circuit with OPTO INPUT SENSOR 2 channel. It uses to test direction of rotation and speed of DC MOTOR with detected fan blade. It uses IC NO.L293D for DC MOTOR and PORT INPUT 7 PIN MALE/FEMALE.

ET-10PIN CONV 3/5M (P-ET-A-00461)

It is small board with 2 Connector 10PIN ET BUS I/O; it can be interfaced with 10PIN PAIR Cable conveniently. It is used to interface Circuit Signal LOGIC between 5V device and 3.3V device by using IC 74LCX245 to be intermediate. It can set all 8BIT jumper. It can send data from 5V to 3.3V or from 3.3V to 5V, including Circuit 3.3V REGULATOR. It is suitable for Board MCU 3.3V I/O that is interfaced with Board 5V I/O.

1.) Convert Logic Level from 5V to 3V: It has to set JUMPER to the position of B/A. Port on the side of Logic (B) has to interface with +5V(PIN9) and GND(PIN10). PIN 1-8 is used to receive external Signal Logic 5V and the signal is sent out to the side of Logic (A) at PIN 1-8 that is Logic 3V to drive LOAD 3V-3.3V or it is interfaced with Pin INPUT of MCU 3.3V.
2.) Convert Logic Level from 3V to 5V: It has to set JUMPER to the side of A/B. Port on the side of Logic (B) has to interface with +5V(PIN9) and GND(PIN10). PIN 1-8 is Signal OUTPUT Level 5V that is sent from the side of Logic (A) to drive LOAD 5V or it is interfaced to Pin INPUT of MCU 5V. On the side of Logic (A), PIN 1-8 is used to receive external Signal Logic 3V-3.3V to convert to 5V.