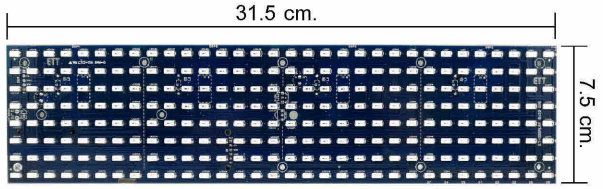
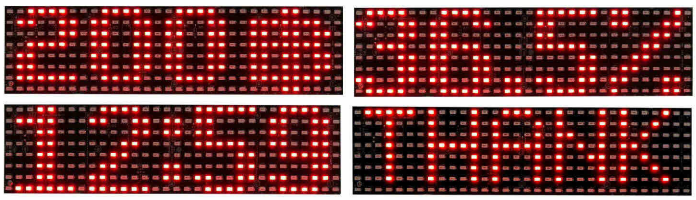
ET-DISPLAY 8X32 RED
(P-ET-A-00611)

This DISPLAY Board is 32x8 DOT SUPER BRIGHT Red LED that uses 4 of IC MAX7219 to scan its own DISPLAY, without scanned by CPU. It uses 3-Wire to control and command the operation.



- FRONT

- BACK



- Examples of DISPLAY

- Use 256 of SUPER BRIGHT red LED as SMD TYPE 5730 for 32x8 DOT Display Use 4 of IC MAX7219 to execute and 3-Wire to command; CLK, CS, and DIN is connected to Signal in a format of LOGIC 5V; and adjust 16 Levels of Contrast by MAX7219
- Can be applied to be various types of DISPLAY; for example, a large DISPLAY can be applied to billboards, COUNTER DISPLAY, CLOCK, and etc.
- PCB Size: 32.0 x 8.0 cm. (DISPLAY Size: 7.5 x 31.5 cm.)
- POWER SUPPLY 5VDC (MAX mA)
- Provide Socket on board for inserting IC TSOP4838 (OPTION: Additional Purchase) to receive Signal IR to command another connective Control Boards
- Connector PIN HEADER 5PIN MALE (2.54mm.) controls Board into MAX7219; there are CLK, CS, DIN, GND, and +5V
- A set of Board ET-DISPLAY 8X32 RED includes …

1. Board ET-DISPLAY 8X32 RED
2. Document and Schematic
3. Example Programs, please DOWNLOAD from ETT's Website: http://www.etteam.com/prod2018/ET-DISPLAY8X32/ET-DISPLAY8X32.html

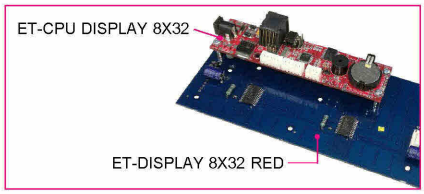
BOX DISPLAY 8X32 BIG LED
(A-BX-E-00050)

It is a black plastic box with red FILTER; it is particularly designed for assembling together with ET-DISPLAY 8X32 RED and ET-CPU DISPLAY 8X32.

- Dimensions of Box: 10.3 x 33.2 x 4.2 cm.

ET-CPU DISPLAY 8X32
(P-ET-A-00612)

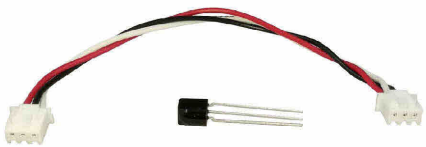
This Board CPU is designed to connect to ET-DISPLAY 8X32 RED directly; it uses MICROCONTROLLER No.ATMEGA328 on board.



- Use ATMEGA328 32PIN TQFP to be MCU on board; RUN with FREQUENCY 16 MHz
- 32KB FLASH, 2KB RAM, 1KB EEPROM
- RTC(REAL TIME CLOCK) No.DS3231, with BATTERY 3V BACK UP
- RS485 PORT ON BOARD No.SN75176 via Connector RJ11 (6 PIN)
- 5 PIN HEADER FEMALE is connected to ET-DISPLAY 8X32 RED directly
- Connector I2C as WAFER 5 PIN (2.50mm.) with Signal Level of 5V
- Connector I/O as WAFER 5 PIN (2.50mm.) and as 3 PIN
- Develop board via Connector ISP as 6PIN (2.54mm.) under ATMEL Standards; it uses ET-AVRISP mkII (P-ET-A-00429)
- Provide POWER SUPPLY 7-30VDC for Board by using IC SWITCHING 5V/1A No.LM2575-5; Connector POWER is MALE JACK 2.5mm (it can use ET-SWITCHING ADAPTER 12V 1A TYPE J (A-AP-A-00098)
- PCB Size: 12.8 x 3.2 cm
- A set of **ET-CPU DISPLAY 8X32** includes …

1. Board ET-CPU DISPLAY 8X32
2. Document
3. Example Programs, please DOWNLOAD from ETT's WEB: www.etteam.com

TSOP4838 + CABLE 15 CM
(P-CB-A-00054)



This IC No.TSOP4838 receives Signal IR, with Cable 3PIN (2.50mm.) is 15cm long and both terminals are FEMALE. This IC can be soldered on Board ET-DISPLAY 8X32 RED in case of receiving data from IR REMOTE KEY.

ET-IR REMOTE KEY
(P-ET-A-00546)

It is mini KEY IR REMOTE with Frequency 38 KHz. There are 20 keys, provided with BATTERY 3V. Dimensions are 8.65 x 4.10 x 0.75 cm.

ET-SWITCHING ADAPTER 12V 1A TYPE J
(A-AP-A-00098)

This is DC POWER SUPPLY as SWITCHING under TISI Standards.
INPUT : 220VAC, 50/60Hz 0.5A
OUTPUT : 12VDC 1A
TYPE J : Connector FEMALE JACK 2.5mm; Anode-Outer, Cathode-Inner.