

ET-CONV MINI USB-B
(P-ET-A-00494)



new



This CONVER device converts Connector from USB TYPE B 5 PIN MINI to be PIN HEADER 6 PIN MALE and TERMINAL 6 PIN. The PCB size is 4.1 x 2.5 cm.

ET-CONV MINI USB-A
(P-ET-A-00495)

new



This CONVER device converts Connector from USB TYPE A 4 PIN to PIN HEADER 5 PIN MALE and TERMINAL 5 PIN. The PCB size is 4.1 x 2.5 cm.

ET-CONV DC JACK V2
(P-ET-A-00496)

new



This CONVER device covers Connector from DC POWER JACK 2.5mm. to PIN HEADER 3 PIN MALE and TERMINAL 3 PIN. The PCB size is 2.3 x 2.5 cm.

ET-CONV BB PWR
(P-ET-A-00497)

new



This CONVER device converts Connector from TERMINAL 2PIN and 2PIN WAFER 2.50mm. MALE to PIN HEADER 6PIN. It is designed to be Connector for supplying power into PROJECT BOARD. The PCB size is 1.3 x 2.5 cm.

ET-CONV RJ45
(P-ET-A-00377)



It is CONVER that converts Connector RJ45 8PIN into Connector PIN HEADER Male 8PIN and Connector TERMINAL 8PIN.

ET-CONV USB-B
(P-ET-A-00378)



It is CONVER that converts Connector USB TYPE B into Connector PIN HEADER Male 4PIN and TERMINAL 4PIN.

ET-CONV DB 9 F
(P-ET-A-00379)



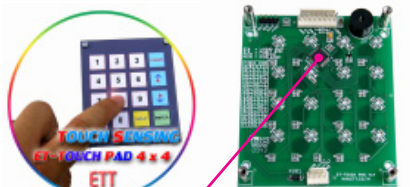
It is CONVER that converts Connector Female DB 9PIN into Connector PIN HEADER Male 10PIN (adding Connector GND DIP TYPE) and Connector TERMINAL 10PIN.

ET-CONV DB 9 M
(P-ET-A-00380)



It is CONVER that converts Connector Male DB 9PIN into Connector PIN HEADER Male 10PIN (adding Connector GND DIP TYPE) and Connector TERMINAL 10PIN.

ET-TOUCH PAD 4X4
(P-ET-A-00408)



It is 4X4 KEY BOARD Touch Screen that uses MCU No.STM8S105C4T6 to control the operation. It is able to connect with MCU that is 5V or 3.3V and it sends data of pressing key in the format of BCD and RS232(TTL).

- It is TOUCH SENSING KEY (Touch Screen) in the format of 16 Keys CAPACITIVE SENSING (4x4).
- It uses Power Supply 3.3VDC or 5VDC for board, so it is compatible with MCU that is 3.3V or 5V. It uses 2mA current for normal usage and 8mA current while pressing keys.
- It uses sound and 16 LED on that key to display the operating status while pressing key.
- There are 2 types of sending KEY CODE of the pressed KEY;

1. BINARY CODE (BCD 8421) through CONNECTOR 8PIN; there are 4 cables of Pin BCD, Pin ST#, Pin P#/R, Pin VCC, and Pin GND.

2. ASCII CODE through CONNECTOR 4PIN RS232 TTL (UART), BAUD RATE 9600

- 1 Special KEY that can be used as normal KEY or KEY FUN to press with other KEY, so it can be operated more than 16 KEY

- 2mm. thick transparent plastic plate to support KEY TOUCH

- Board Size 76.2 x 88.9 mm.

- ET-TOUCH PAD 4X4 consists of ...

1. Board ET-TOUCH PAD
2. 2mm. thick transparent plastic plate to support KEY



12 KEY TELEPHONE KEYBOARD
(A-SW-K-00017)



4 x 3 Matrix Key

- size 5.5 x 7.7 cm.

KEYPAD 4X4 BLACK
(A-SW-K-00093)

new



General Specification

- Contact rating:20mA,24VDC
- Contact resistance:200 ohm max
- Life:1,000,000 cycles per key
- Operating Temperature: -20 °C to +60 °C
- Storage Temperature: -40 °C to +65 °C

AK-1607

| OUTPUT ARRANGEMENT | |
|--------------------|--------|
| OUTPUT PIN NO. | SYMBOL |
| 1 | ROW 2 |
| 2 | ROW 3 |
| 3 | COL 1 |
| 4 | ROW 4 |
| 5 | COL 2 |
| 6 | COL 3 |
| 7 | COL 4 |
| 8 | ROW 1 |

CIRCUIT DIAGRAM

