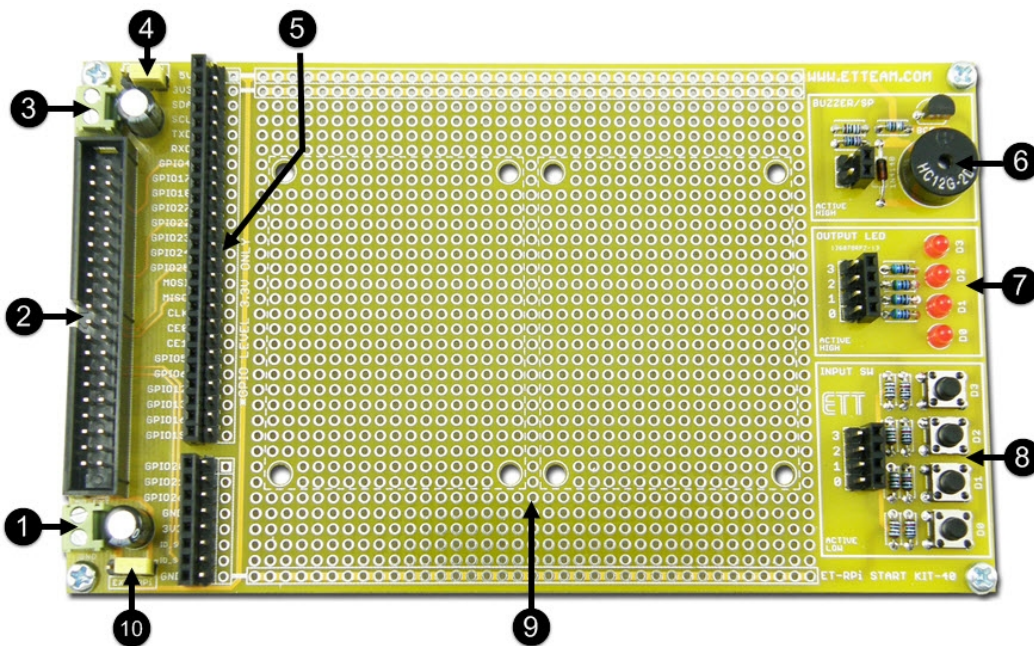


ET-RPi START KIT-40

Board ET-RPi START KIT-40 is designed for use with Board Raspberry Pi in order to test circuits. It provides basic devices on board, so user can write initial program to control board's operation.

SPECIFICATIONS OF BOARD ET-RPi START KIT-40

- Have 4-Push Button Switch
- Have 4-LED 3mm.
- Have 1 Non-Drive Magnetic BUZZER
- Have multipurpose PCB for connecting additional circuits
- Have TERMINAL to connect additional Power Source 3.3V and 5V
- Be designed for use with Board Raspberry Pi that has Connector 40PIN such as Raspberry Pi Model A+, Raspberry Pi Model B+, Raspberry Pi 2 Model B
- Board size: 15.3 x9 cm.



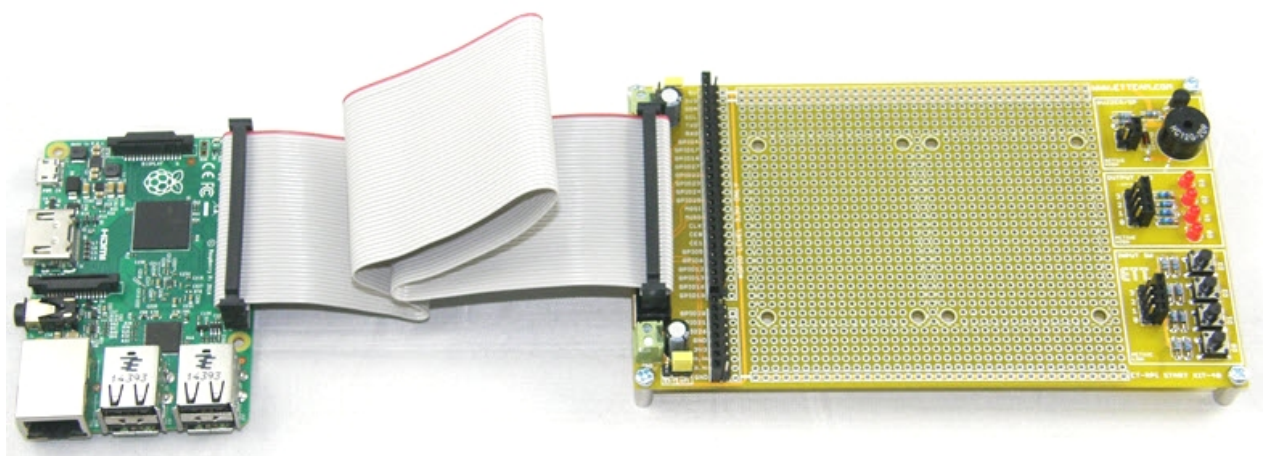
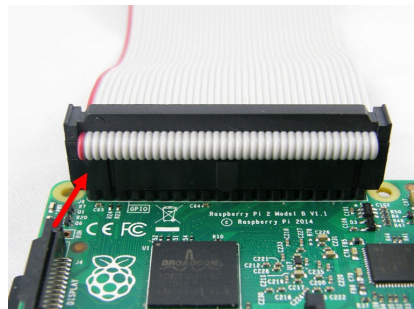
Composition of Board ET-RPi START KIT-40

1. TERMINAL is connected with additional Power Source 5V if Power Supply 5V from Board Raspberry Pi has not enough Current to support the connective circuits. In this case, it has to set Jumper POWER SELECT to the position of EXT.
2. Connector is connected with GPIO of Board Raspberry Pi (J8).
3. TERMINAL is connected with additional Power Source 3.3V if Power Supply 3.3V from Board Raspberry Pi has not enough Current to support the connective circuits. In this case, it has to set Jumper POWER SELECT to the position of EXT.

4. Jumper chooses Power Supply 3.3V for board either from Board Raspberry Pi or external board.
5. Pin GPIOs are connected from Board Raspberry Pi.
6. Non-Drive Magnetic BUZZER generate various sounds; it runs by sending Signal Pulse in the range of Frequency 1-2 KHz.
7. It is LED 3mm; when this LED is lit up, it provides LOGIC "1" but when LED is turned off, it provides LOGIC "0" instead.
8. It is Push-Button Switch; when pressed Switch, it becomes LOGIC "0"; but when released Switch, it becomes LOGIC "1" instead.
9. Multipurpose PCB can be connected with additional circuits.
10. Jumper chooses Power Supply 5V for board either from Board Raspberry Pi or external board.

How to connect Board ET-RPi START KIT-40 with Board Raspberry Pi

It connects 2 boards together through 40PIN Pair Cable; Pin 1 of Pair Cable (please look at the triangle symbol as shown in the picture below) must be matching with pin position of Header J8 of Board Raspberry Pi.



*****NOTE*****

GPIOs of Board Raspberry Pi cannot support INPUT VOLTAGE 5VDC; it only supports 3.3VDC at the maximum. Be careful while connecting circuits together otherwise it makes Board Raspberry Pi damaged.