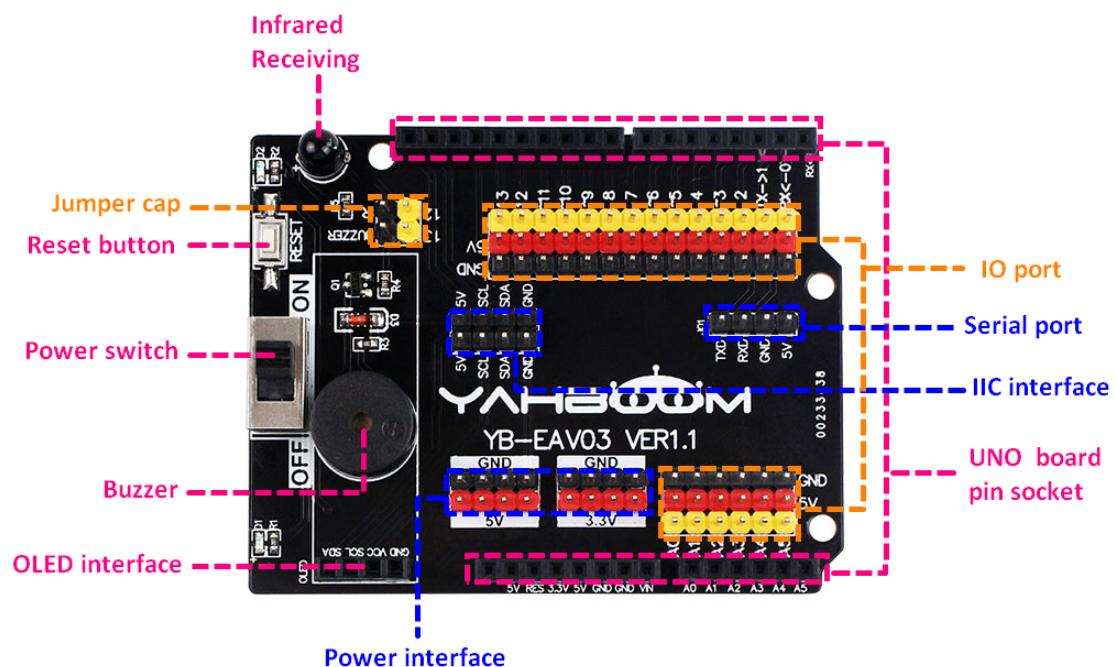


Introduction of Uno IO expansion board

Front:

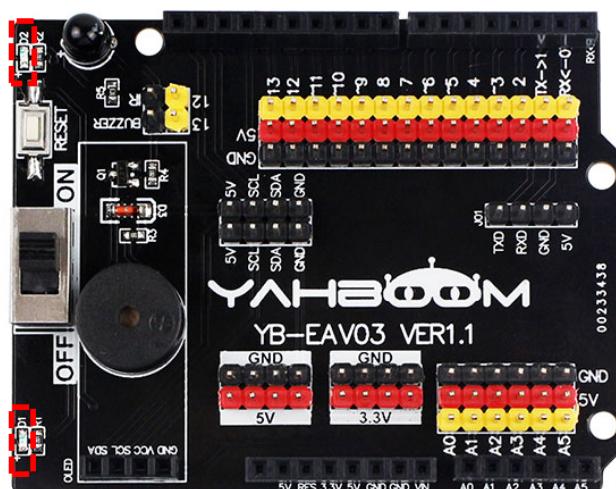


Introduction of On board interface and component:

1. About IO port

On board 14 digital pins(0~13), 6 analog pins(A0~A5). These pins are in one-to-one correspondence with the UNO board interface. Each pin is extended with a set of VCC/GND power interfaces, so that each interface can be connected to a separate module. The UNO board to connect more modules at the same time for more experimentation.

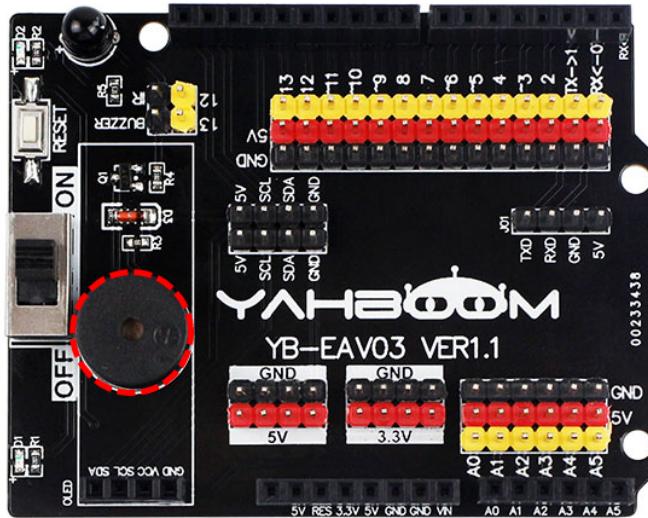
2. LED



D1: Power indicator

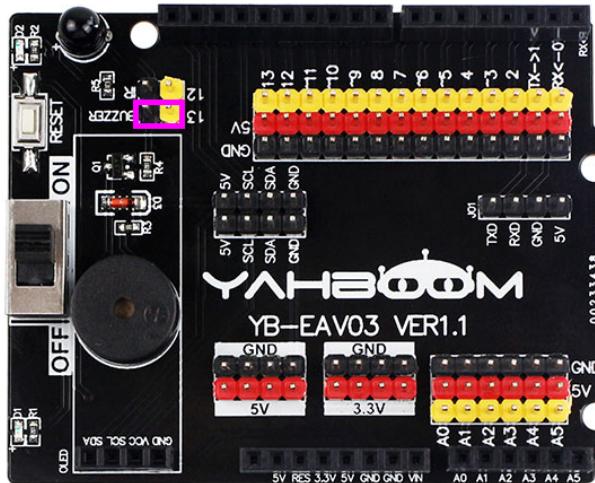
D2: Reset indicator

3. Buzzer

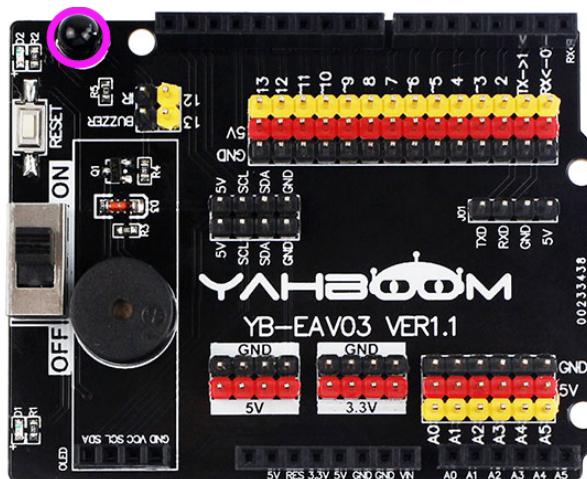


The passive buzzer is used here.

! Note: When we use Buzzer, A jumper cap is required at 13 and BUZZER pin. As shown below.

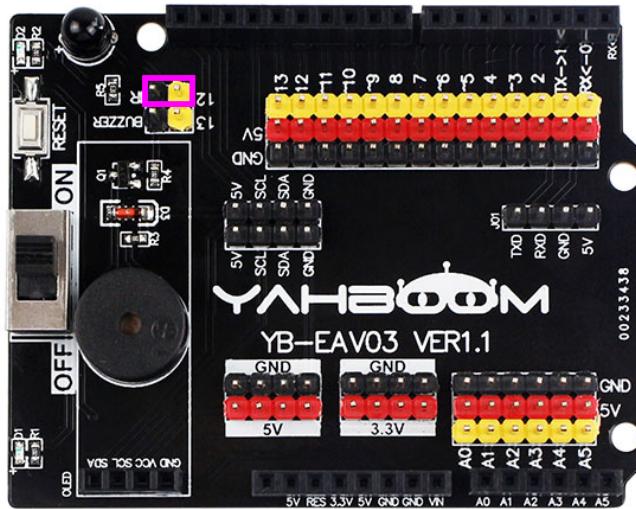


4. IR receiving

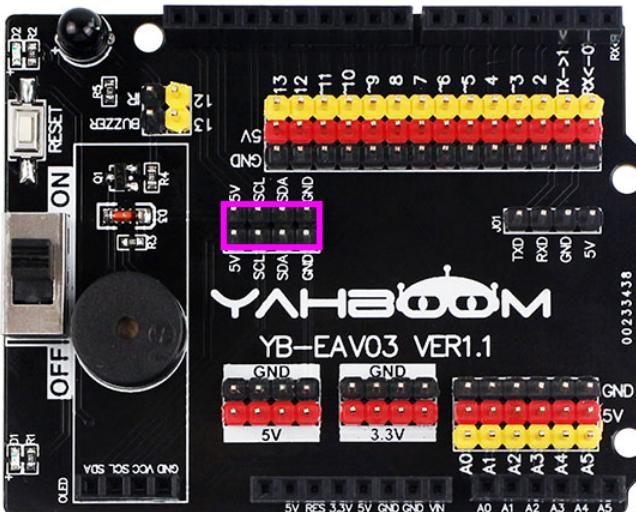


The infrared receiver can be used with an infrared remote control.

! Note: When we use IR receiving, A jumper cap is required at 12 and IR pin. As shown below.

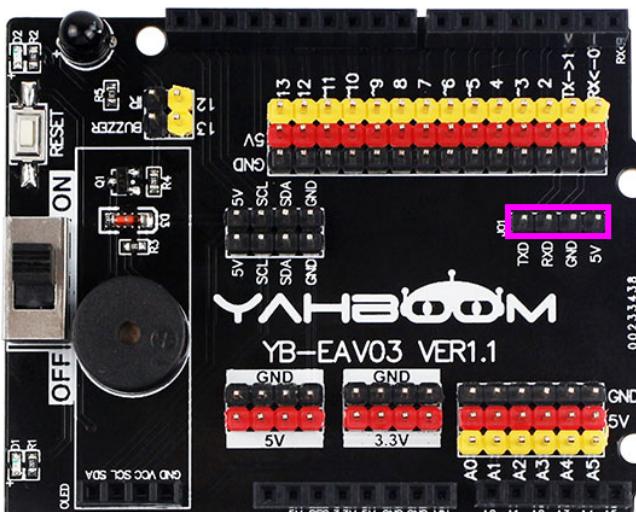


5. Two IIC port



They can connect other service with IIC by DuPont line.

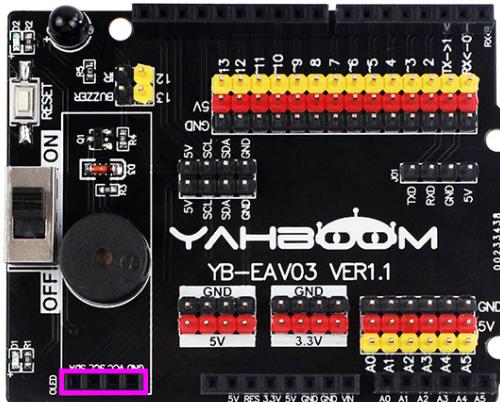
6. Serial port



Pin connection as shown below.

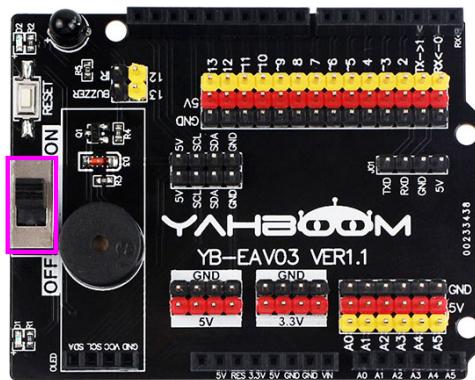
Serial port	Uno board
VCC	5V
GND	GND
RX	0
TX	1

7. OLED display interface



This interface adopt IIC communication, it can connect 12832OLED.

8. Power switch



9. RESET button

