Active Buzzer

Overview

This is an active buzzer experiment. Active means that the direct power supply can make a sound.

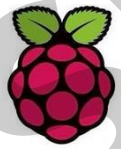
Specification

Voltage: DC 5V
Min Sound Output at 10cm: 85dB;
Total Size (Pin Not Included): 12 x 9mm/0.47" x 0.35"(D*H)

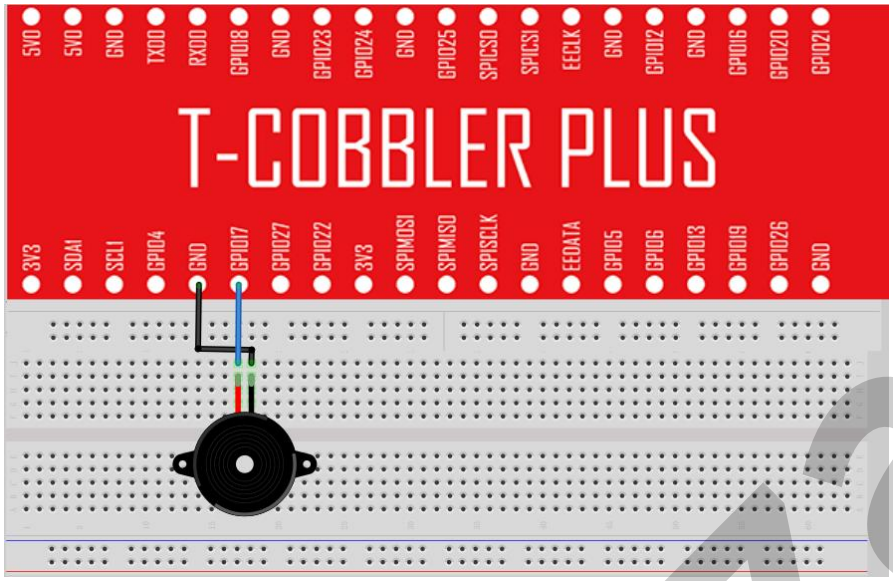
Pin definition

Active Buzzer		RPI
Long pin/+	->	GPIO17
Short pin	->	GND

Hardware required

Material diagram	Material name	Number
	Active buzzer	1
	Raspberry Pi Board	1
	T-Cobbler Plus	1
	40P GPIO Cable	1
	Breadboard	1
	Jumper wires	Several

Connection diagram



Connection

Active Buzzer		RPI
Long pin/+	->	GPIO17
Short pin	->	GND

Sample code

Note: sample code under the **Sample code** folder

```
#include <wiringPi.h>
#include <stdio.h>
#define buzzer 0
int main(void)
{
   printf( "Welcome to Smraza\n");
   printf( "Raspberry Pi Active buzzer test program\n" );
   printf( "Press Ctrl+C to exit\n" );
   wiringPiSetup() ;
   pinMode (buzzer, OUTPUT) ;
   while(1)
   {
     digitalWrite(buzzer,HIGH);
   }
}
```

Compiling: gcc -Wall -o active_buz active_buz.c -lwiringPi

Run: sudo ./active_buz

Tips: Press “Ctrl+C” to exit

Application effect

When you are running program, the buzzer will be ringing.