BUZZER UNIT

Description

Passive Buzzer Unit is a mini passive buzzer unit, drived by 4KHz signal, that sounds up to 72dB within 10cm distance under rating input power. With the feature of compact size, low-power consumption, awesome audio performance, and a protective housing. Applied for varied buzzer alarm scenario.

Product Features

- Drive signal:
  - 4KHz oscillation frequency
  - Up to 72dB (within 10cm, at rating power)
  - Drive signal: 4KHz 1/2duty square wave

Include

- 1x BUZZER Unit
- 1x HY2.0-4P cable (20cm)
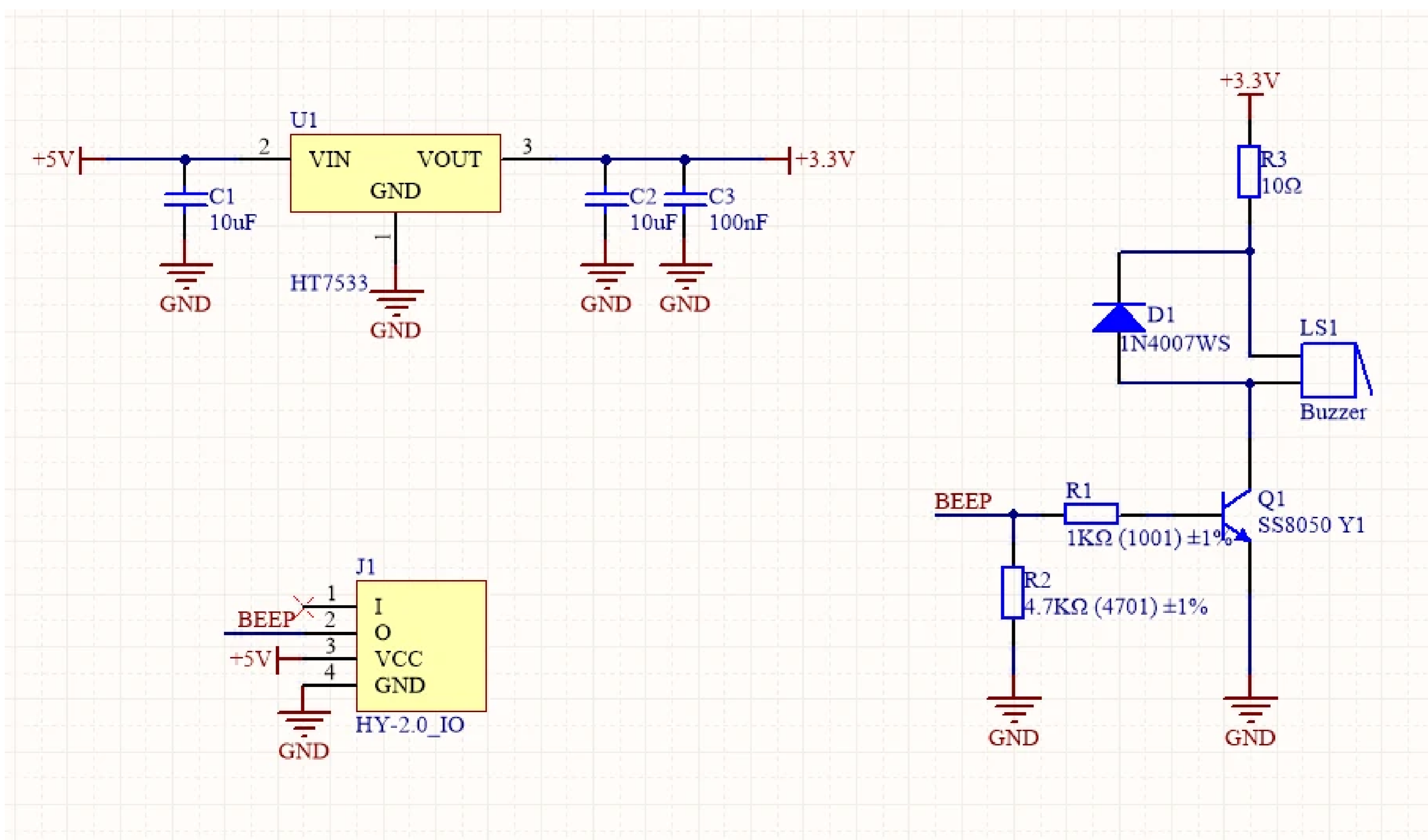
Applications

- Buzzer/reminder

Specification

Specifications	Parameters
Drive frequency	4KHz 1/2duty square wave
Power consumption	5V@86mA
Net weight	3.5g
Gross weight	8.5g
Product size	24 * 24 * 8mm
Packing size	93 * 138mm

PinMap

○ BUZZER

M5CORE - PORT B	G26
BUZZER	SIGNAL

Schematic

Example

Arduino

```cpp
#include <Arduino.h>

#define buzzer_pin 26
int freq = 4000;
int ledChannel = 0;
int resolution = 10;

void setup() {
  ledcSetup(ledChannel, freq, resolution);  //Sets the frequency and number of counts corresponding to the channel. 设置通道对应的频率和计数位数
  ledcAttachPin(buzzer_pin, ledChannel); //Binds the specified channel to the specified I/O port for output. 将指定通道绑定到指定 IO 口上以实现输出
  ledcWrite(ledChannel, 512); //Output PWM. 输出PWM
}

void loop() {
  ledcWrite(ledChannel, 512);  //Output PWM. 输出PWM
  delay(3000);
  ledcWrite(ledChannel, 0);  //Output PWM. 输出PWM
  delay(3000);
}
```