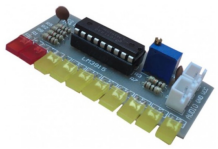
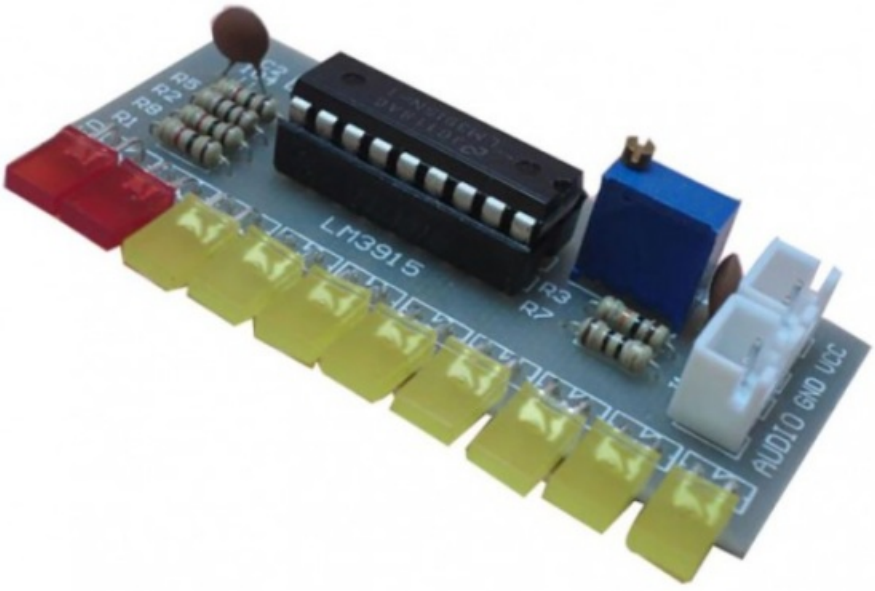


TinyTronics LM3915 LED Audio Level Indicator Instructions

TinyTronics LM3915 LED Audio Level Indicator



Contents

Packaging Contents

Product name	Quantity	PCB indicator
PCB	1	
1MΩ resistor	2	R1, R2
4.7KΩ resistor	6	R3, R4, R5, R6, R7, R8
Teng Jie Cool White LED – 5mm Clear	6	D1, D2, D3, D4, D5, D6
Small switch – 90 Degrees – Extra Strong	2	SW1, SW2
Ceramic Capacitor – 10uF 25V	2	C1,C2
NPN Transistor BC547	2	Q1, Q2
CR2450 Battery Holder for PCB – Flat	1	BAT1
Optional: Duracell CR2450 3V Lithium Battery	1	

Color code resitor

- 1MΩ

  brown, black, black, yellow, brown

- 4.7KΩ

  yellow, voilet, black, brown, brown

Other supplies that are not included

1. Soldering iron.
2. Solder wire.
3. Cutting pliers.
4. **Optional:** Ribbon to hang the Snowflake DIY kit from.
5. **Optional:** Stand for the Snowflake DIY kit.

Instructions

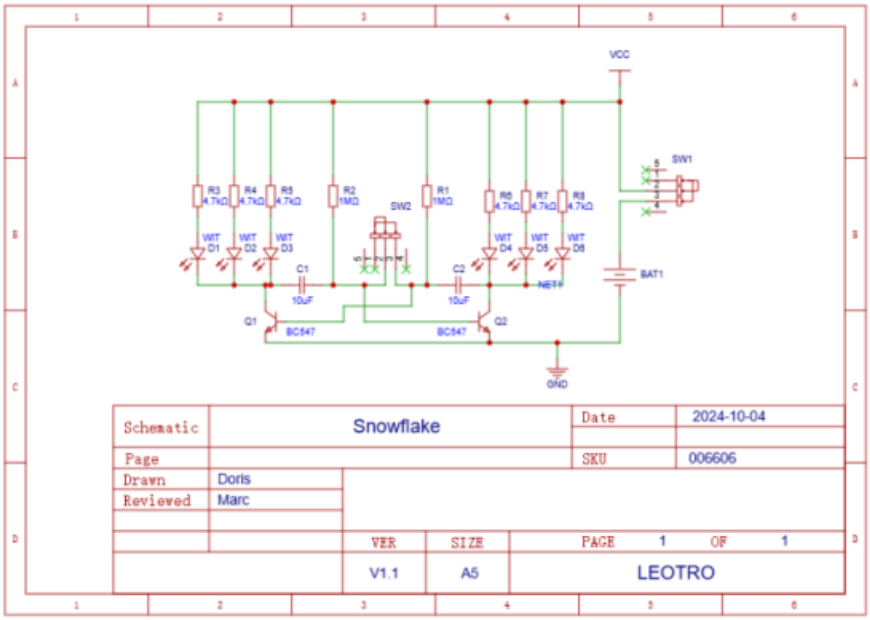
Solder the components at the positions listed in the table above. Although the order does not matter, it is convenient to place the components from top to bottom according to the table. Note that the LEDs should be placed at the front of the PCB and the rest of the components on the back side.

When soldering the BC547 NPN Transistor, be careful not to push it too far into the PCB, or the pins will bend out too far and possibly damage the transistor. If you find that the pins are tight enough to solder, that is enough.

Before inserting the battery, cut off the excess pins of all components to prevent accidental short-circuit.

The Snowflake DIY kit includes two switches. SW1 can be used to turn the LEDs on or off, and SW2 can be used to set whether the LEDs are flashing or be on continuously.

Schematic



Documents / Resources

	TinyTronics LM3915 LED Audio Level Indicator [pdf] Instructions LM3915 LED Audio Level Indicator, LM3915, LED Audio Level Indicator, Audio Level Indicator, Level Indicator, Indicator

References

- User Manual