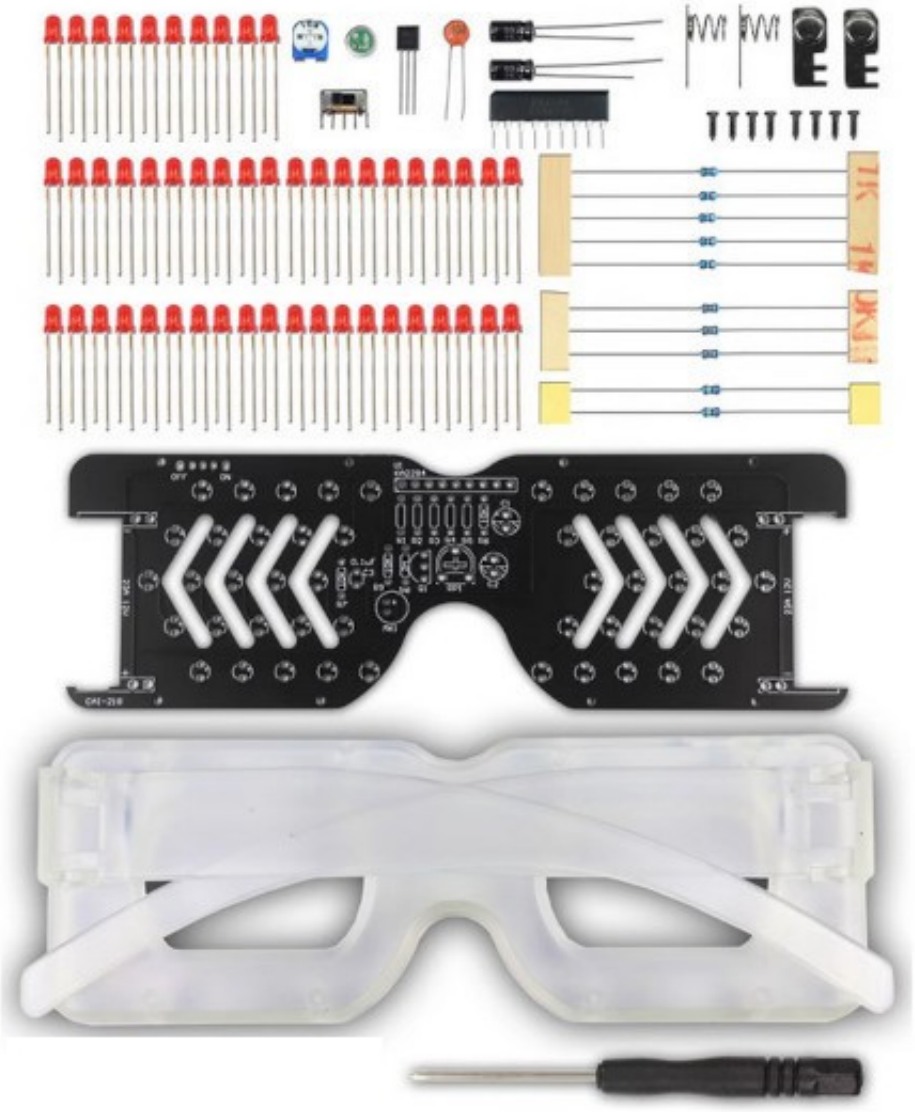
SOLDERING KIT GLASSES



Necessary tools:

Wire Cutters:	we recommend PGC-TR25 they are sharp and light
Twizzers:	we recommend PGC-00SA
Soldering iron:	CHN-SLD802 is budged solution, SLD-FAST-75W is professional solution
Soldering wire:	we recommend Solder-Wire-SAC0307-0-8

General tips for soldering:

1. Switch On the soldering iron, setup the working temperature to 350 C. Wait until the Soldering Iron reach this temperature – there is LED indicator which will pulse when the temperature is reach.

2. Before soldering clean the Soldering tip with wet sponge from the black resedues.

3. Never touch the heated soldering tip or body.

4. Do not leave the Soldering Iron unattended.

5. Be careful to not touch cables, table, cloths with the soldering iron heated body or tip.

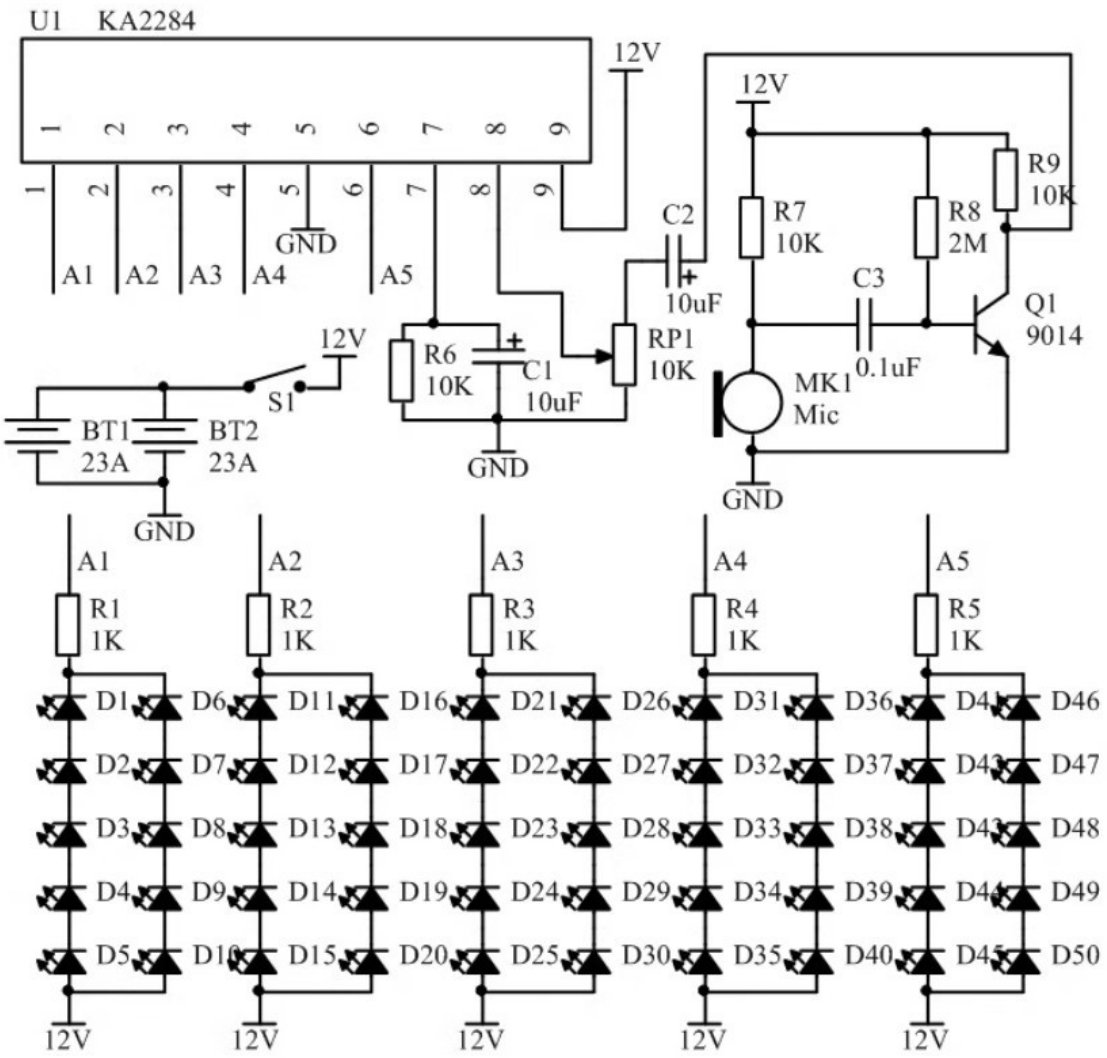
6. Place the electronic component on it’s place, watch out if there is polarity.

7. Touch the component pad which you want to solder and wait 3-4 seconds to heat up.

8. Feed a little from the soldering wire until the component lead is flooded with tin and it’s shinny and glossy.

9. If the soldering is not shinny but dull please re-solder with colophony.

SLD-KIT-GLASSES Schematic:



Assembly instructions:

List of Components:

R1, R2, R3, R4, R5	1 K ohm	5 pcs	
R6, R7, R9	10 K ohm	3 pcs	
R8	2 M ohm	1 pce	
C1, C2	10 uF	2 pcs	with polarity!
C3	100 nF	1 pce	(with mark 104 on it)
LED1...LED50	3 mm LED	50 pcs	with polarity!
Q1	NPN transistor	1 pce	with polarity!
U1	IC	1 pce	with polarity!
RP1	trimmer resistor	1 pce	
MK	microphone	1 pce	with polarity!
SWITCH		1 pce	

Follow this sequence of soldering:

1. Solder all resistors to their places

2. Solder C1, C2 the white stripe on the body should be oriented to the white marking on the PCB. The longer lead is to the pad marked with +.

3. Solder C3 capacitor.

4. Solder all LEDs the longer lead is to the + mark on the PCB.

5. Solder RP1 trimmer.

6. Solder the microphone. Mind the orientation!

7. Solder the IC the chamfer side with the body printing on the IC should face the resistors.

8. Solder the switch

9. Solder the battery clips.

10. mount the PCB in the plastic frame.

11. Attach two 12V 23A size batteries (not included in the kit)

This is how the assembed GLASSES looks like. The trimmer resistor sets the audio sensetivity.