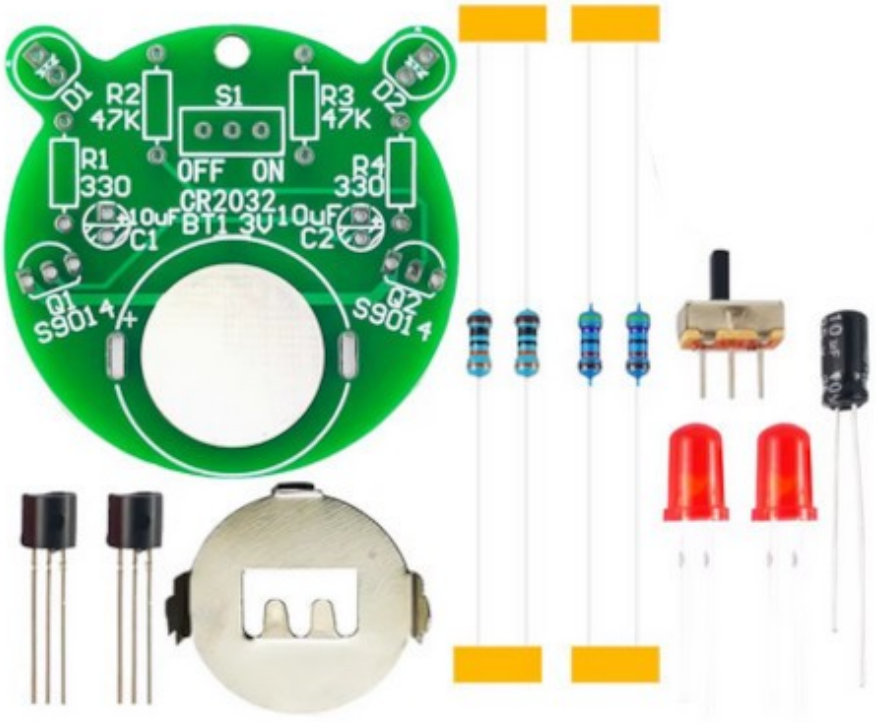
SOLDERING KIT GREEN BUG



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.

Assembly instructions:

List of Components:

R1, R4	330 ohm	2 pcs	
R2, R3	47 K ohm	2 pcs	
Q1,Q2	NPN S9014	2 pcs	with polarity!
D1, D2	red LED	2 pcs	with polarity!
C1, C2	10 uF	2 pcs	with polarity!
S1	SWITCH	1 pce	
BT1 battery holder		1 pce	with polarity!

Follow this sequence of soldering:

1. Solder all resistors to their places

2. Solder the red LEDs to their places, The longer led should be inserted in the square PCB pad.

3. Solder the transistors – follow the shape on the PCB, do not place with mirror!

4. Solder the capacitors the longer leg go to the square PCB pad.

5. Solder the S1 SWITCH

6. Solder the battery holder , so the battery to may be inserted from the outside of the PCB.