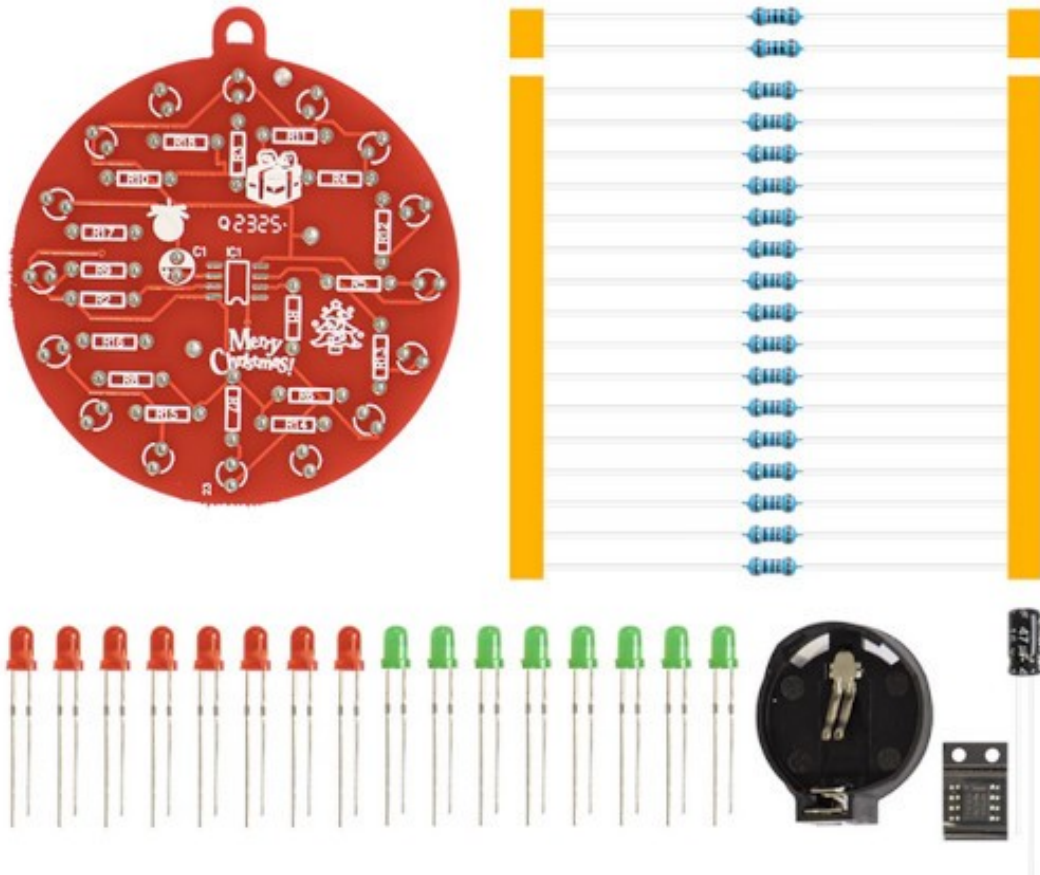


SOLDERING KIT CHRISTMAS BALL



Necessary tools:

Wire Cutters: we recommend [PGC-TR25](#) they are sharp and light
Twizzers: we recommend [PGC-00SA](#)
Soldering iron: [CHN-SLD802](#) is budgeted 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:

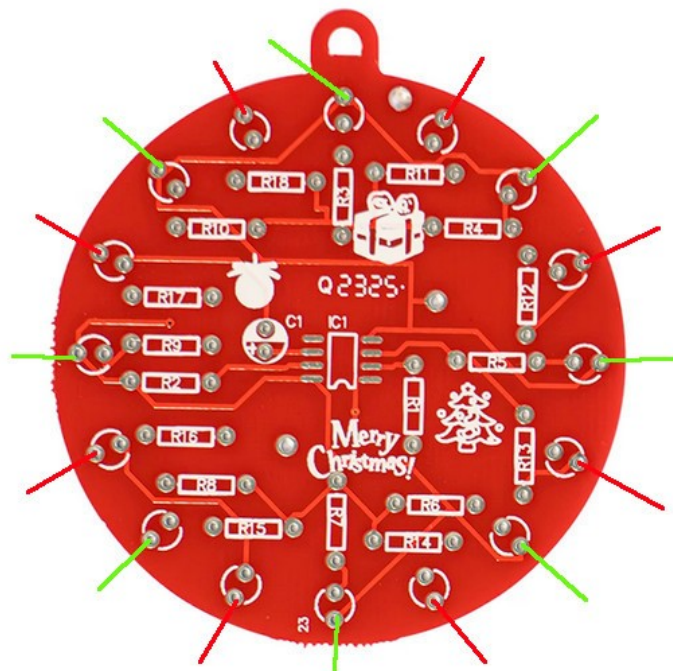
List of Components:

R1, R2	10 K ohm	2 pcs
R3,R4,R5,R6,R7,R8,R9,R10,R11,R12,R13,R14,R15,R16,R17,R18	1 K ohm	16 pcs
RED LEDs 3mm	8 pcs	with polarity!
GREEN LEDs 3 mm	8 pcse	with polarity!
IC 555	1 pce	with polarity!
Battery holder	1 pce	with polarity!
C1 47uF	1 pce	with polarity!

Follow this sequence of soldering:

1. solder all resistors to their places

2. solder the green and red LEDs starting with GREEN led on the top position, all LEDs have polarity and have longer leg which should be solder to the outer end of the PCB. The picture below show the color of LED on each position and where the longer lead to be inserted:



2. Solder the IC to it's place. Note that it have polarity and there is mark on the PCB and IC to follow.

3. Solder C1. Watch for the polarity. The shorter lead should be inserted in the white filled position.

4. Solder the battery holder, it has polarity.

9. Place two batteries in the battery holder:

