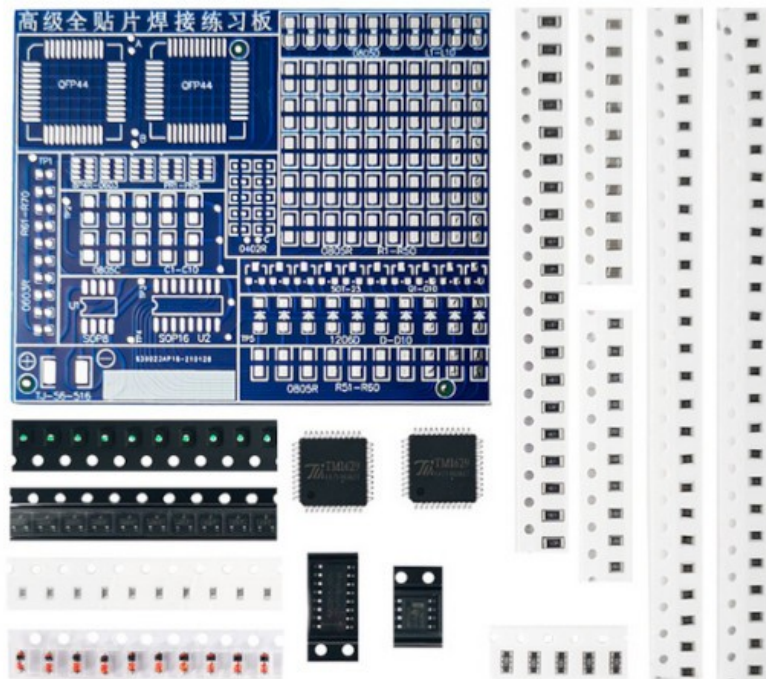# SMT-PRACTICE soldering kit

Necessary tools:

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.

Component marking:

R61-R70	0603 1K resistors
R51-R60	0805 1K resistors
R1-R50	0805 100 ohm resistors
C1-C10	0805 10NF capacitors
PR1-PR5	0603 resistor matrix x4
D1-D10	1206 MINIMELF diodes
L1-L10	0805 red LEDs
Q1-Q10	SOT23 transistors 8050
U1	SO8 NE555
U2	SO16 CD4017
x2	QFP44 IC
x10	0402 resistors
x20	1206 resistors