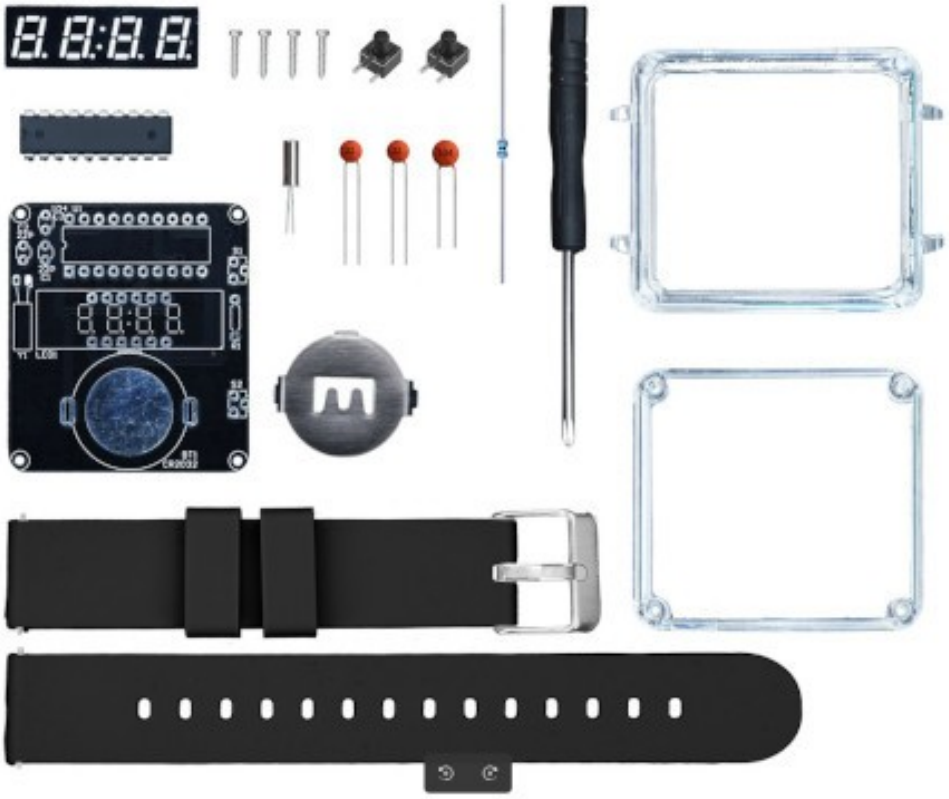
SOLDERING KIT GLASSES



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.

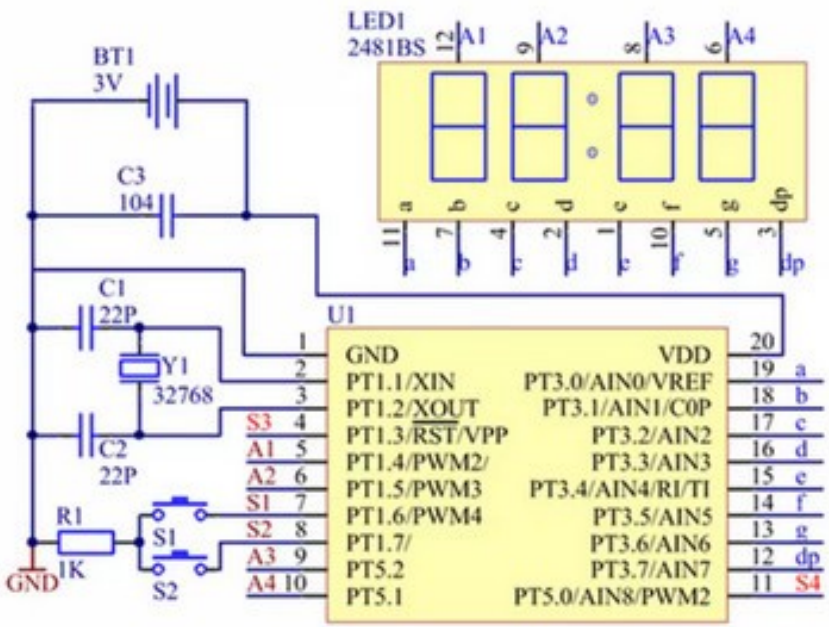
6. Place the electronic component on it’s place, watch out if there is polarity.

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-WATCH schematic:



Assembly instructions:

List of Components:

R1	1 K ohm	1 pce	(red black red strips)
C1, C2	22 pF	2 pcs	(with mark 22 on it)
C3	100 nF	1 pce	(with mark 104 on it)
LED1	LED 4 digit	1 pce	with polarity!
Y1	32Khz quartz	1 pce	
U1	IC	1 pce	with polarity!
S1, S2	buttons	2 pcs	
BT1	battery holder	1 pce	with polarity!

Follow this sequence of soldering:

1. Solder R1 resistor

2. Solder C1, C2, C3

3. Solder LED1 display. Watch the orientation the dots are toward the battery

4. Solder U1. The edge cut should point toward the capacitors

5. Solder Y1

6. S1 and S2.

7. Solder the battery holder, place CR2032 battery in it

8. Put the assembled board in the plastic box and attach the rubber straps.

This is how the assembed WATCH looks like.

Use the S1 and S2 buttons to set the hours and minutes.