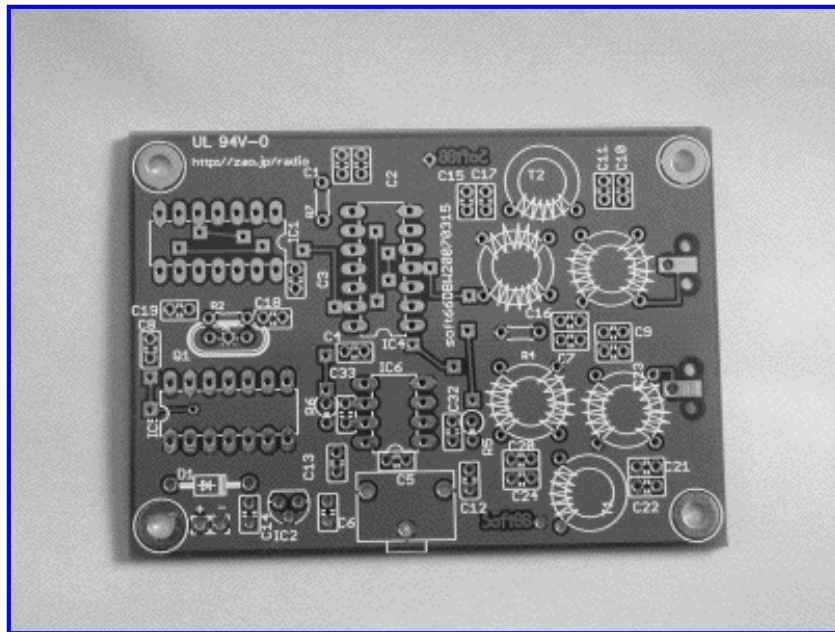
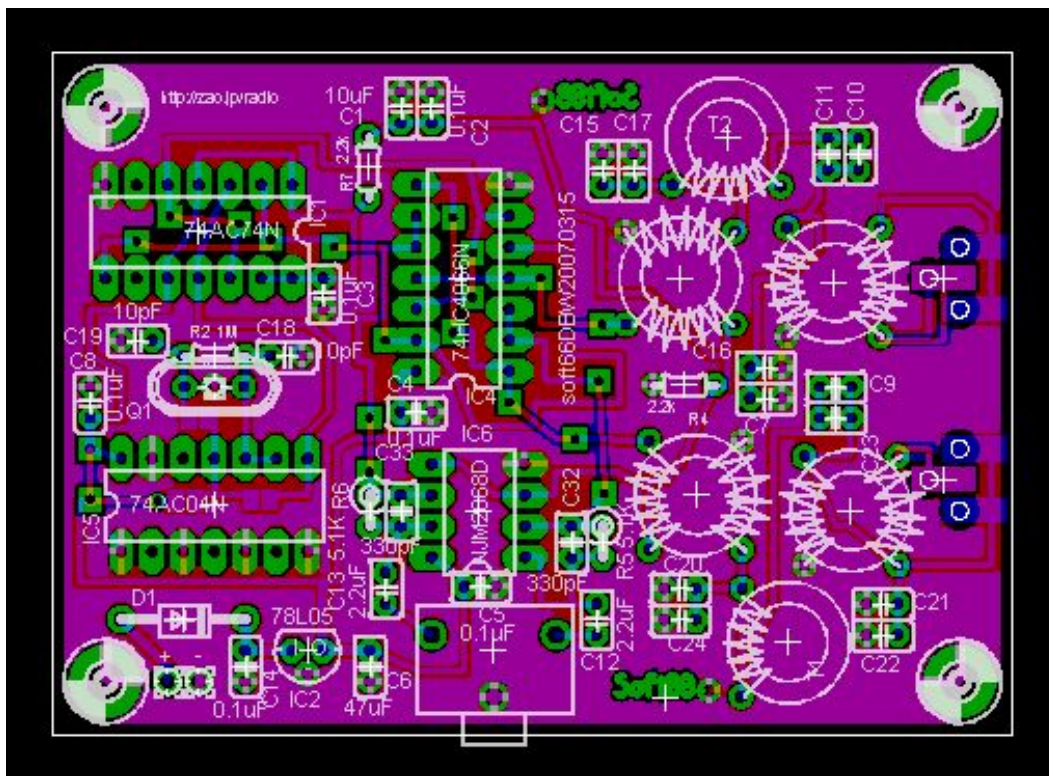


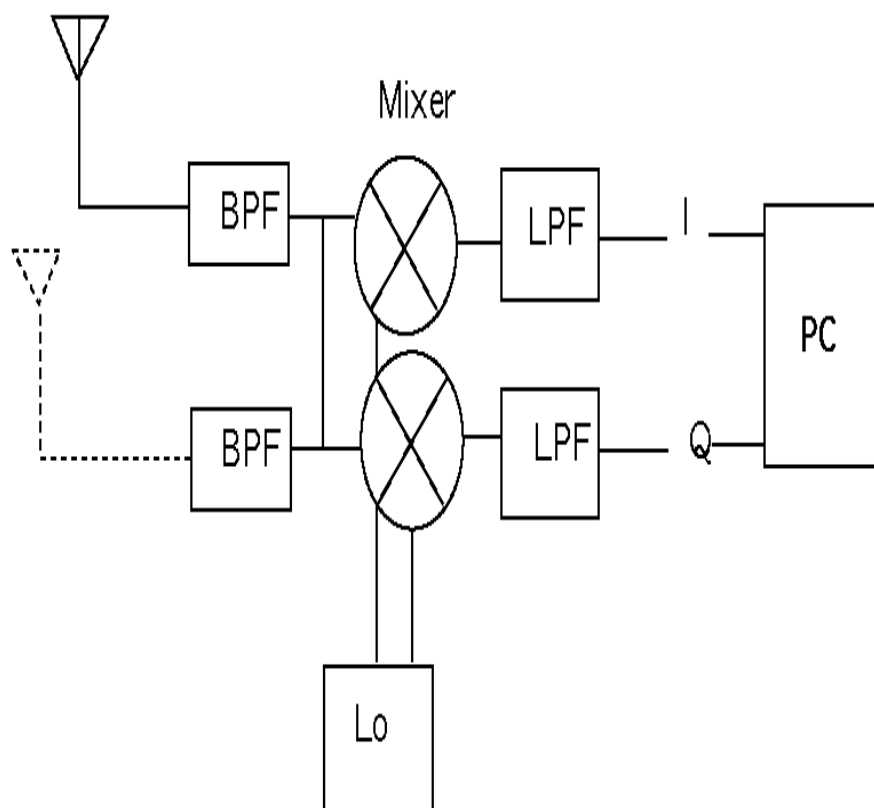
Let's build Soft66DB2



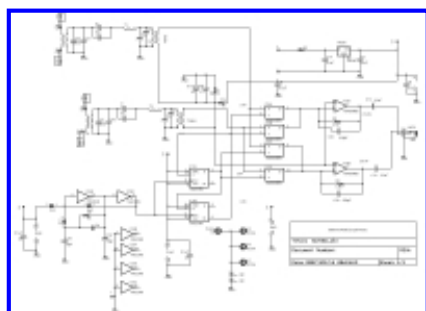
Parts



Block image



Schematic(click for enlarge)



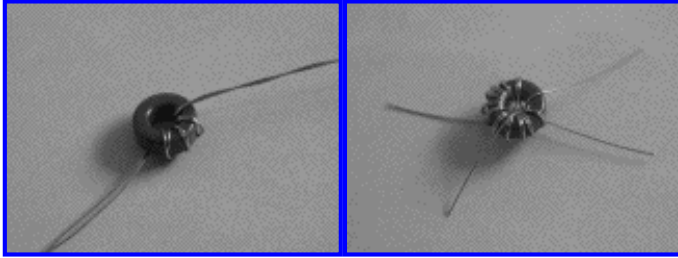
1st winding troid core.

BPF for 7Mband.please see datail [Soft66DB](#).

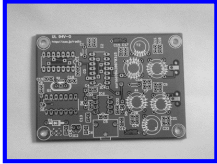
3.5M	7M(WIDE)	7M(narrow)
T2 41T(T30-2red) L1,L4 19T(T30-2red) C7,C15= 1000pF C16,C17= 470pF C11=220pF C10=100pF	T2 33T(T30-6,yellow), 30T(T30-2,red) L1,L4 bifiler14T (T30-6,yellow), 12T(T30-2,red) C7,C15= 220pF C16,C17= 680pF C11=120pF C10=0pF	T2 45T(T30-6,yellow) L1,L4 bifiler10T (T30-6,yellow) C7,C15= 1000pF C16,C17= 470pF C11=68pF C10=0pF

14M	21M

T2 42T(T30-6,yellow) L1,L4 bifiler5T (T30-6,yellow) C7,C15= 1000pF C16,C17= 220pF C11=20pF C10=0pF	T2 30T(T30-6,yellow) L1,L4 bifiler4T (T30-6,yellow) C7,C15= 1000pF C16,C17= 0pF C11=10pF C10=0pF
---	---



L1,L4 winding bifiler

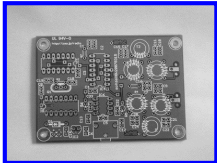


L and T position.click for enlarge.

2nd soldering parts.

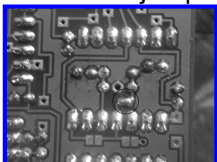
caution! It is too hard to resolder parts on thru hole.
You should be careful of part arrangement .

C1,C12,C13,C6 has polar side.There is no mark on PCB.
Please see details .



click for enlarge.

Do not forget solder jumper ON under Q1.
This solder jumper must be OFF when DDS-33 connected.



click for enlarge.

3rd check !

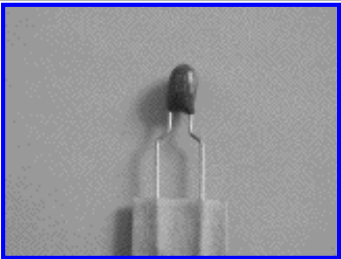
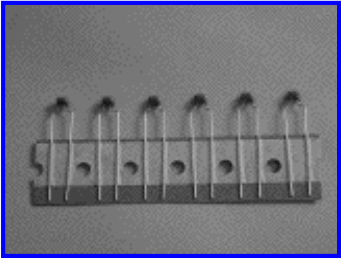
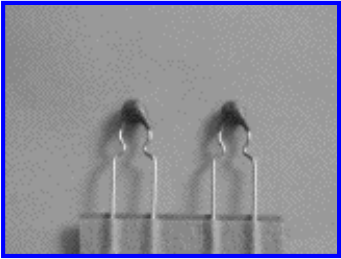
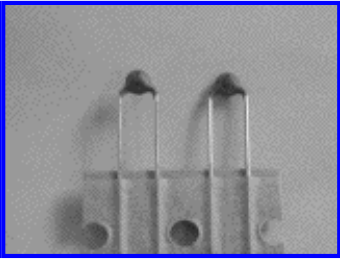
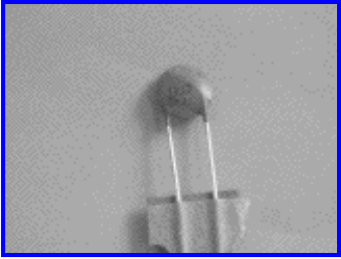
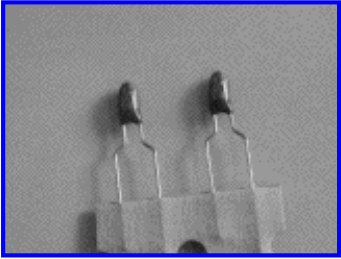
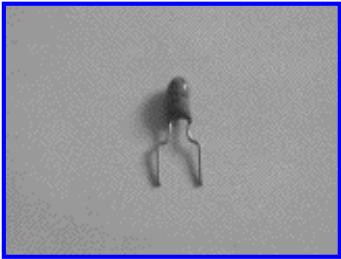
Please figure out the resistance of V+ and GND.
It will be OK if resistance is more than 30 ohms or it.
Soft66DB2 needs 7V to 20V DC power.

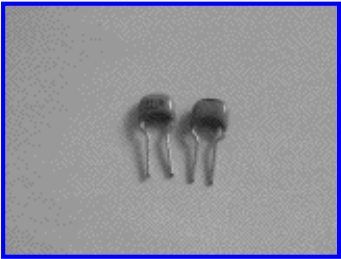
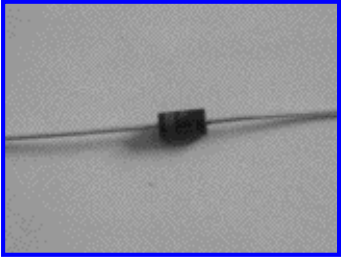
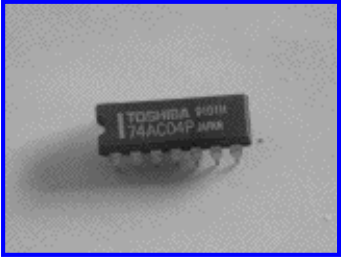
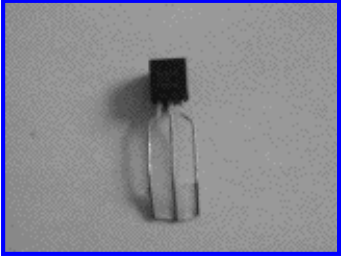
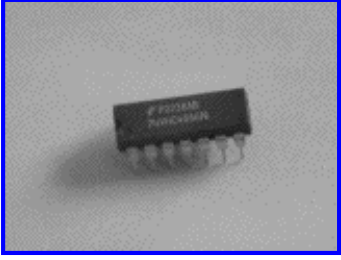
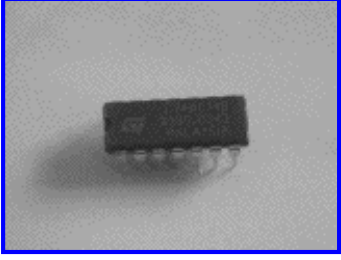
4th connect PC and ANT

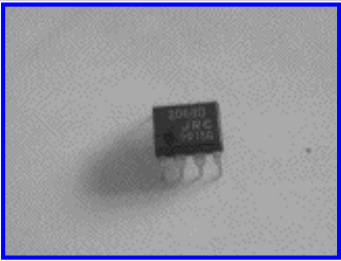
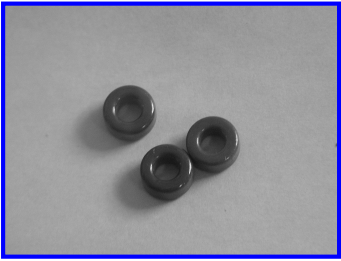
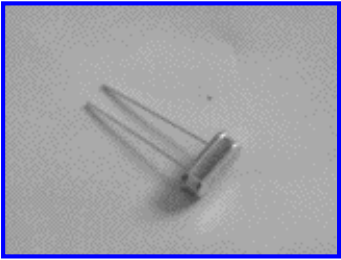
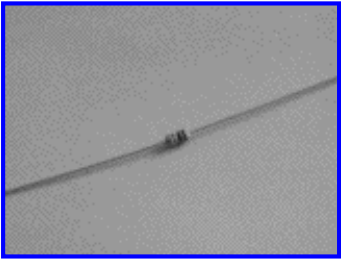
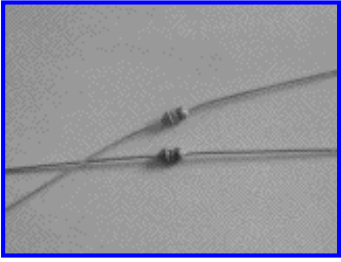
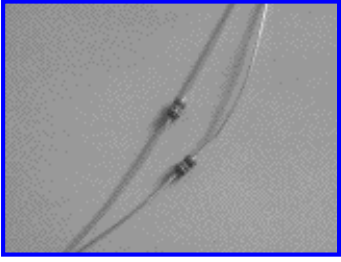
Please Connect ANT to RF input .plug jack to Line IN of Sound Card.
And you need download [Rocky](#) or [SDRadio](#).

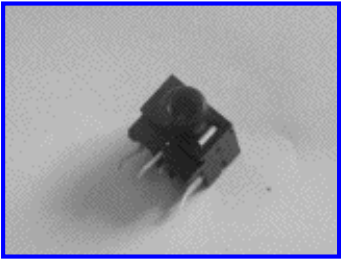
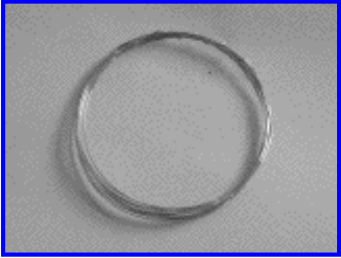
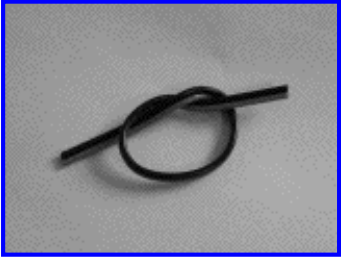
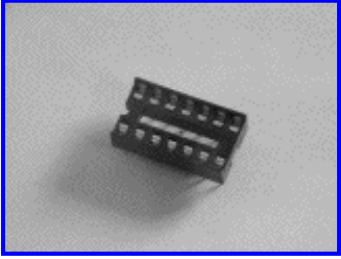
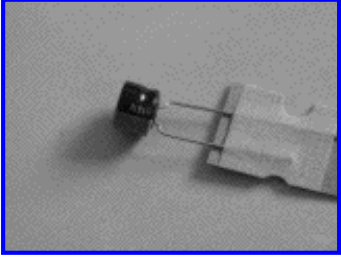
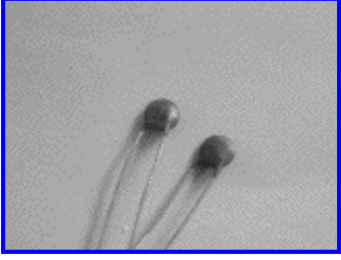
If your Soft66DB2 have only one BPF,please check [here](#).

Partlist

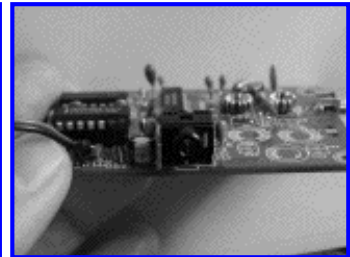
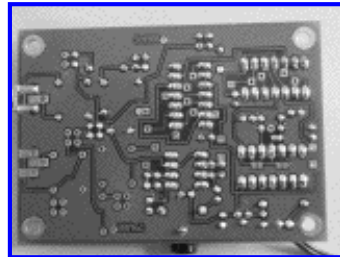
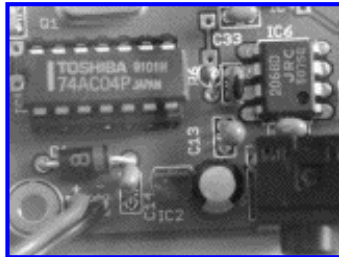
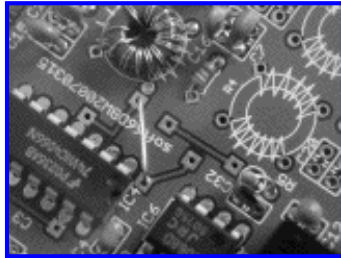
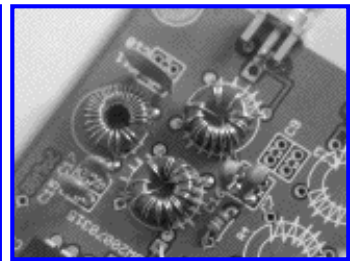
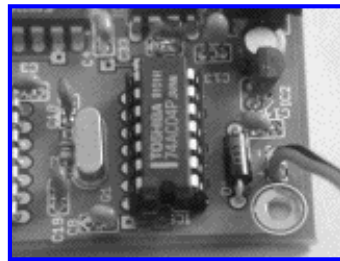
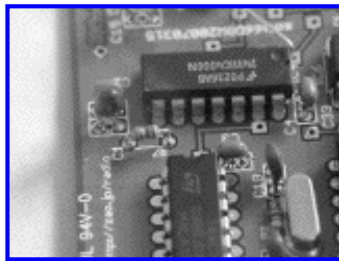
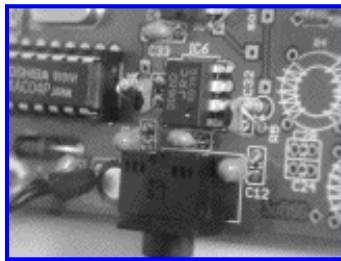
C1	10uF		Tantalum capacitor has polar.+ mark is plus. please turn the lead of plus to 4066 side.
C2,C3,C4,C5,C8,C14	0.1uF		
C7,C16,C15,C17	see BPF	 	
C10,C11	see BPF		
C21,C22,C20,C24	option		
C9,C23	option		
C12,C13	2.2uF Tantalum capacitor has polar.+ mark is plus. please turn the lead of plus to 2068 side.		 may be this type included

C32,C33	330pF		
D1	diode		
IC1	74AC74		
IC2	78L05		
IC4	74VHC4066		
IC5	74AC04		

IC6	NJM2068D		
L1,L2,T1	T30-2(default)		T30-6(7M narrow)
L3,L4,T2	option		
Q1	28.224MHz Crystal HC49/US		
R2	1M		
R4,R7	2.2k		
R5,R6	5.1k		

Audio Jack	for output		
UEW	for BPF		
Wire	for DC power		
14pin IC socket	for 74AC04		
C6	47uF		white side is -. please turn the lead of plus to 74AC04 side.
C18,C19	18pF(or10pF)		

Detailes



If you select single
BPF, jumper one section
for more sensitive.