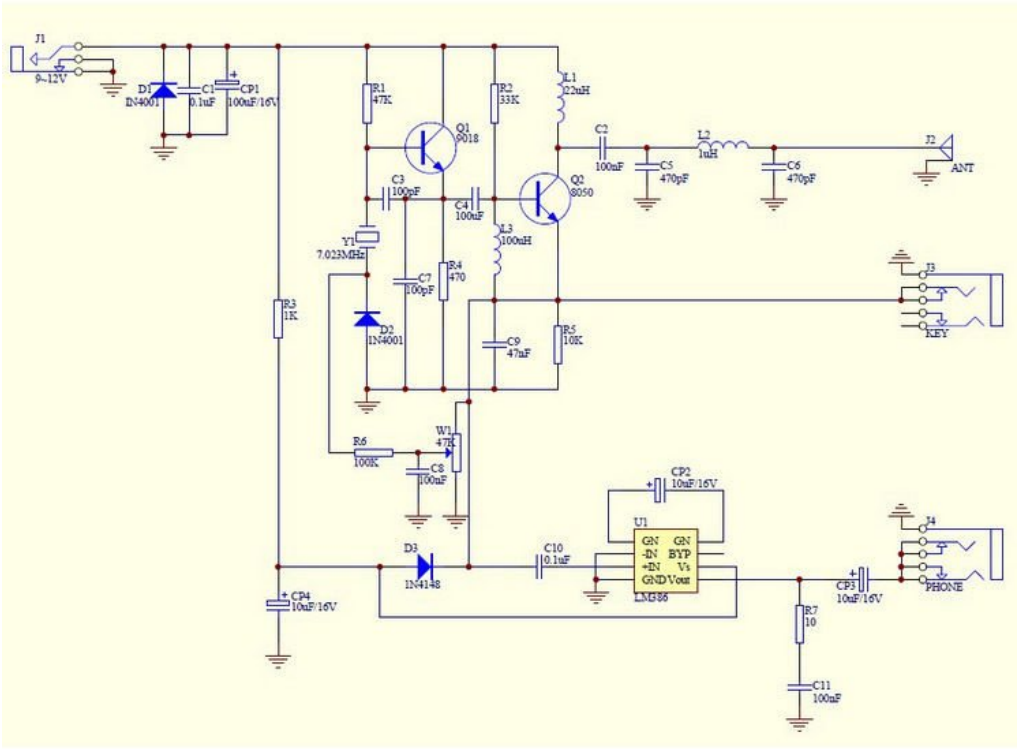
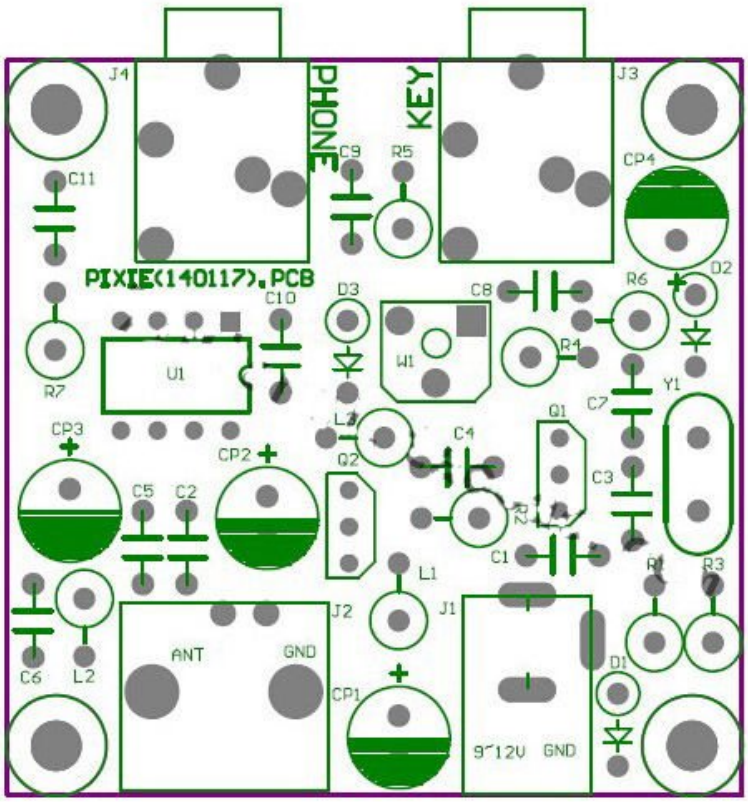

J1
9~12V
D1
IN4001
C1
0.1uF
CP1
100uF/16V
R1
47K
R2
33K
L1
22uH
Q1
9018
Q2
8050
C2
100nF
L2
1uH
C5
470pF
C6
470pF
J2
ANT
C3
100pF
C4
100uF
Y1
7.023MHz
L3
100uH
C7
100pF
R4
470
J3
KEY
R3
1K
D2
IN4001
C9
47nF
R5
10K
W1
47K
R6
100K
C8
100nF
CP2
10uF/16V
U1
GN GN
-IN BYP
+IN Vs
GND Vout
LM386
J4
PHONE
D3
IN4148
C10
0.1uF
CP4
10uF/16V
CP3
10uF/16V
R7
10
C11
100nF


J4
PHONE
C9
R5
KEY
J3
CP4
C11
PIXIE(140117).PCB
C10
D3
C8
R6
D2
R7
U1
W1
R4
Y1
Q1
C7
CP3
L2
C4
CP2
Q2
C5
C2
C3
R2
C1
L1
R1
R3
J2
J1
ANT
GND
C6
L2
CP1
D1
9~12V
GND

QRP 40m Pixie kit

Brief introduction: This kit is a classic low power transceivers.

This is a very small volume of simple 40 meter band micro-power amplitude telegraph.

Transceiver uses a 9V square battery.

The reception is good, highly readable code, is the entry of the most junior amateur radio choice!

Technical parameters:

Power supply: DC 9V-14V

Antenna: 50 ohm, unbalanced

Receive quiescent current: 10mA @ 9V

Transmit power: 0.8W @ 9V, 1.2W @ 12V

Frequency range: TX 7.023MHz; RX 7.023-7.026MHz (7.023MHz crystal)

Mode: CW

Shell selection and installation:

Beautiful metal case not only for item considerably, and can effectively shield nearby interference. There are many optional shell, for example, metal cans, aluminum boxes, medical elongated aluminum box and so on.

Select the box in time to pay attention as easy to open, because the battery ran out and need replacing.

Recommendations:

The confidential achieve better results, set the antenna performance cannot be less than the full length of the horizontal half-wave dipole antenna, in conjunction with the use of Simple Barron, antennas should be kept away from sources of interference, such as fluorescent lights, computer monitors, switching power supplies and other equipment as much as possible with the coaxial cable as feeders to reduce possible interference received, as a small selection of the broadcast interference morning or late at night listening to get the best results listen to SSB and CW signals signal.

Package include: 1X Shortwave Transmitter Receiver 7.023-7.026MHz QRP Pixie Kit

Caution: Make sure 50 ohm dummy load or antenna is connected before transmitting.

QRP Pixie CW DIY Kit

a simple 40 meter band radio transceiver, 7.023 MHZ Short-wave radio transmitter receiver

Component listing

1/4W Fixed resistor		Electrolytic capacitor	
R1	47K	CP1	100uF /16V
R2	33K	CP2、CP3、CP4	10uF /16V
R3	1K	晶体管	
R4	470欧	D1、D2	1N4001
R5	10K	D3	1N4148
R6	100K	Q1	9018
R7	10欧	Q2	8050
Adjustable resistance			
W1	47K (473)		
Fixed inductance			
L1	22uH	集成电路	
L2	1uH	U1	LM386 (DIP8)
L3	100uH	晶体	
capacitance		Y1	7.023MHz
C1	0.1uF (104)	其他元件	
C2、C4、C8、C11	100nF (103)	J1	DC
C3、C7	100pF (101)	J2	Q9(BNC)
C5、C6	470pF (471)	J3	3.5mm (KEY)
C9 、C10	0.047uF (473)	J4	3.5mm (PHONE)
		PCB ×1	
51 ohms resistor/test with load			