FED-201 Audio indicator Kit assembly instructions

DeSi Electronic Products **Product number:PB00120**

Tools to be prepared:

[1]Soldering iron [4]Bevel pliers
[2]Solder wire [5]Sharp nose pliers
[3]A multimeter [6]Tweezers

Installation Notes

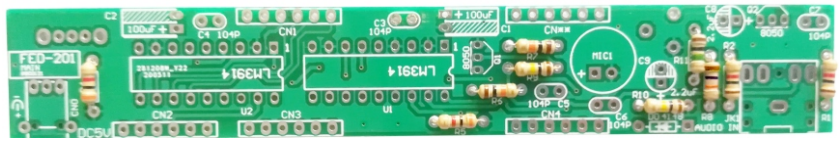
[1]Number and specification of identification elements
[2]Identify polarity and installation direction of components
[3]Installation in strict accordance with instructions

FED-201 Audio indicator Kit Parts list

NO.	Name	Parameter	QTY
R1\R2	RES	1K	2
R4\R5	RES	3K	2
R6\R7\R8	RES	10K	3
R9\R10	RES	100K	2
R11	RES	1M	1
C3~C7	CAP	104P	5
C8\C9	E-CAP	2.2uF	2
C1\C2	E-CAP	100uF	2
D0	Diode	1N4148	1
Q1\Q2	Triode	S8050	2
U1\U2	IC	LM3914	2
MIC1	MIC	9*7	1
JK1	Audio socket	5P	1
CN0	Power socket	DC3.5	1
VR1	Varistor	B100K	1
S1	Power SW	ss12d07	1
CN1~CN4\CN*	Pin socket	6P2.54	5
CN1~CN4\CN*	Pin	6P2.54	5
LED1~LED20	LED	5mm Red	14+4
LED1~LED20	LED	5mm Green	14+4
LED1~LED20	LED	5mm Blue	12+4
CN0	Power cord	USB to DC3.5	1
PB00121	PCB	FED-201MAIN	1
PB00122	PCB	FED-201LED	1
U1\U2	IC socket	18P	2
JK1	Audio cord	3.5mm50cm	1

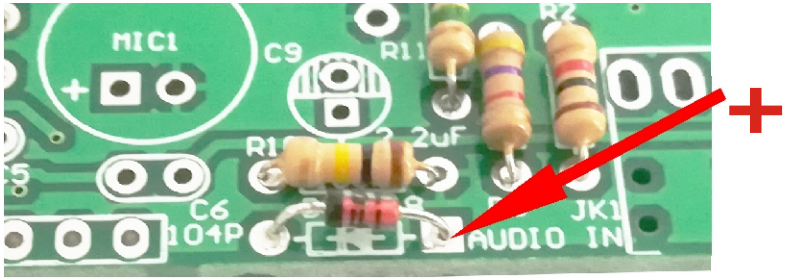
Step 1:Install RES

Refer to the sign or list of the circuit board to install the resistor



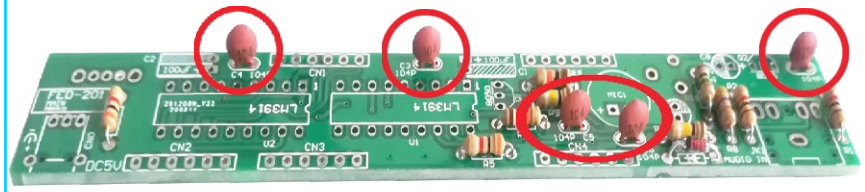
Step 2:Install Diode

Pay attention to the assembly direction of the diode



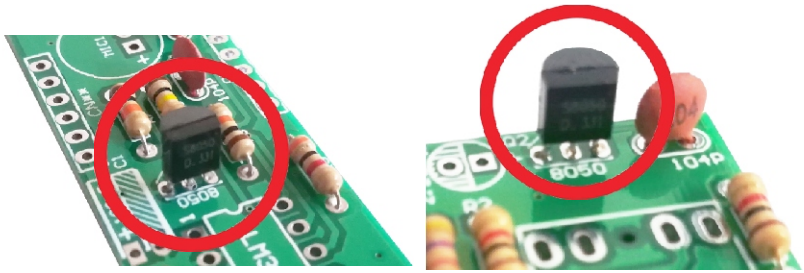
Step 3:Install CAP

Install the capacitance of 104pf to C3 ~ C7 of the circuit board



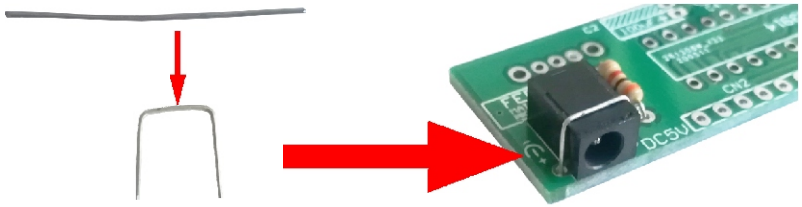
Step 4:Install Triode

Pay attention to the installation direction of triode



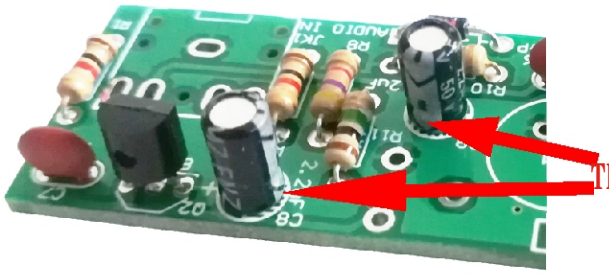
Step 5:Power socket

①Install the power socke t to CN0
②Then fix it with the pin of a part



Step 6-1.Installation of electrolytic capacitor

C8\C9=2.2uF



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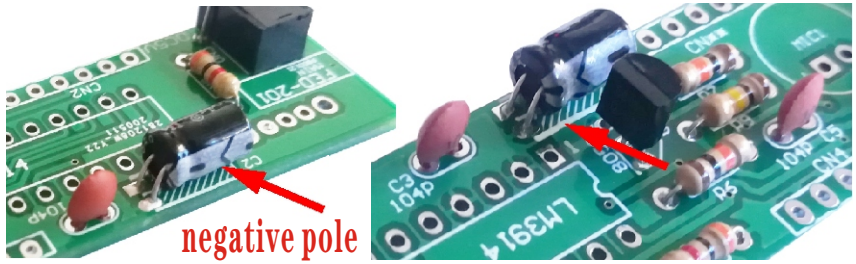
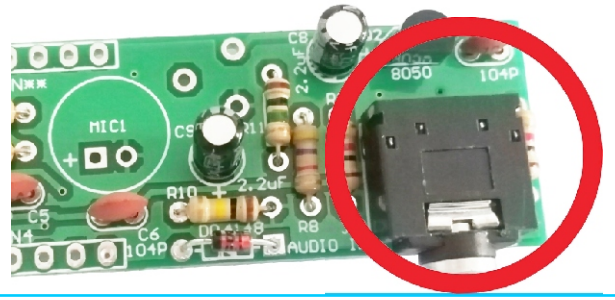
Step 6-2 Installation of electrolytic capacitor

C1\C2=100uF



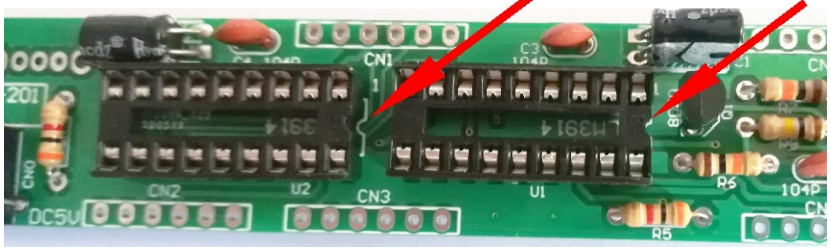
Step 7.Install mic in socket



Step 8.Install Electret microphone

Step 9.Install Integrated circuit socket

Pay attention to the orientation of the gap!

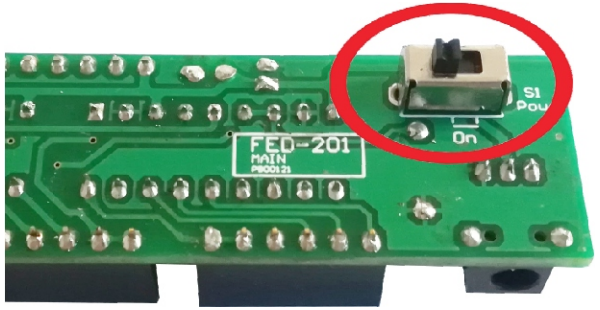


Step 10.Install Pin connector:

Be sure to install vertically

Step 11.Install Power SW

Install from the back of the board



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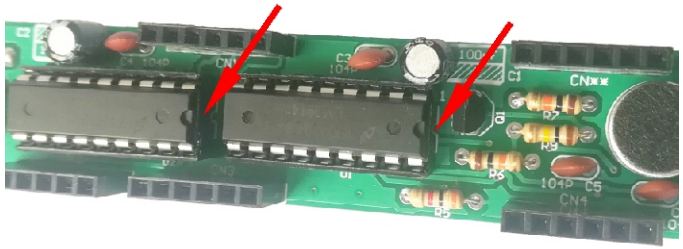
Step 12.Install Adjustable resistance

Install from the back of the board

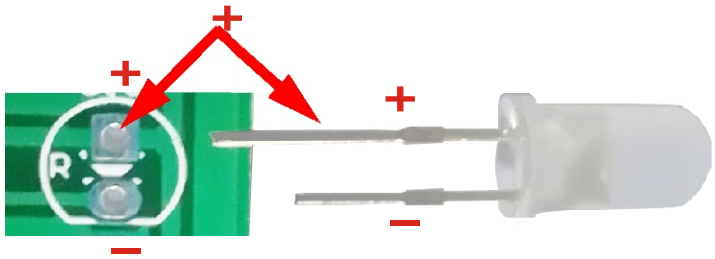
Step 13.Install integrated circuit

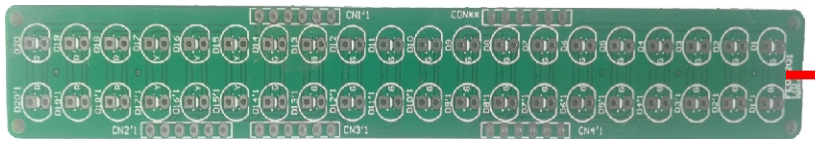
Install LM3914 as shown below!
Pay attention to the orientation of the gap!

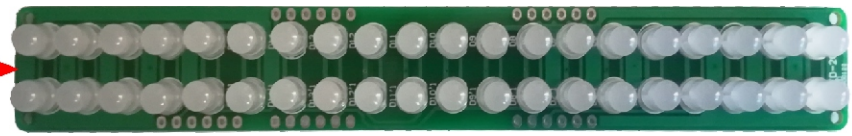


Step 14.Install LED

Install as indicated on the circuit board
R=Red G=Green B=Blue



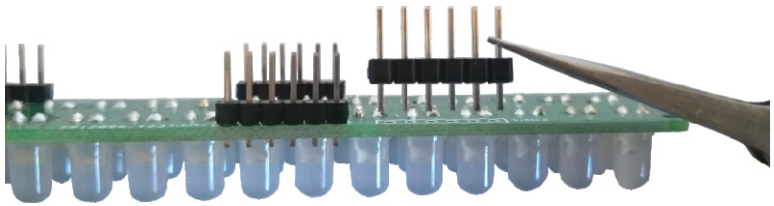




Step 15.Install 6 pin row needle

Install from the back of the board

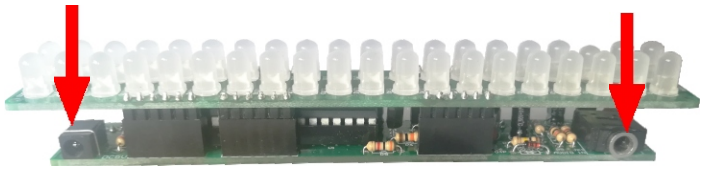
Be sure to install vertically



Step 16.Combine the main board with the light board

Potentiometer adjustment sensitivity

3V-12V Power supply **Audio signal input**



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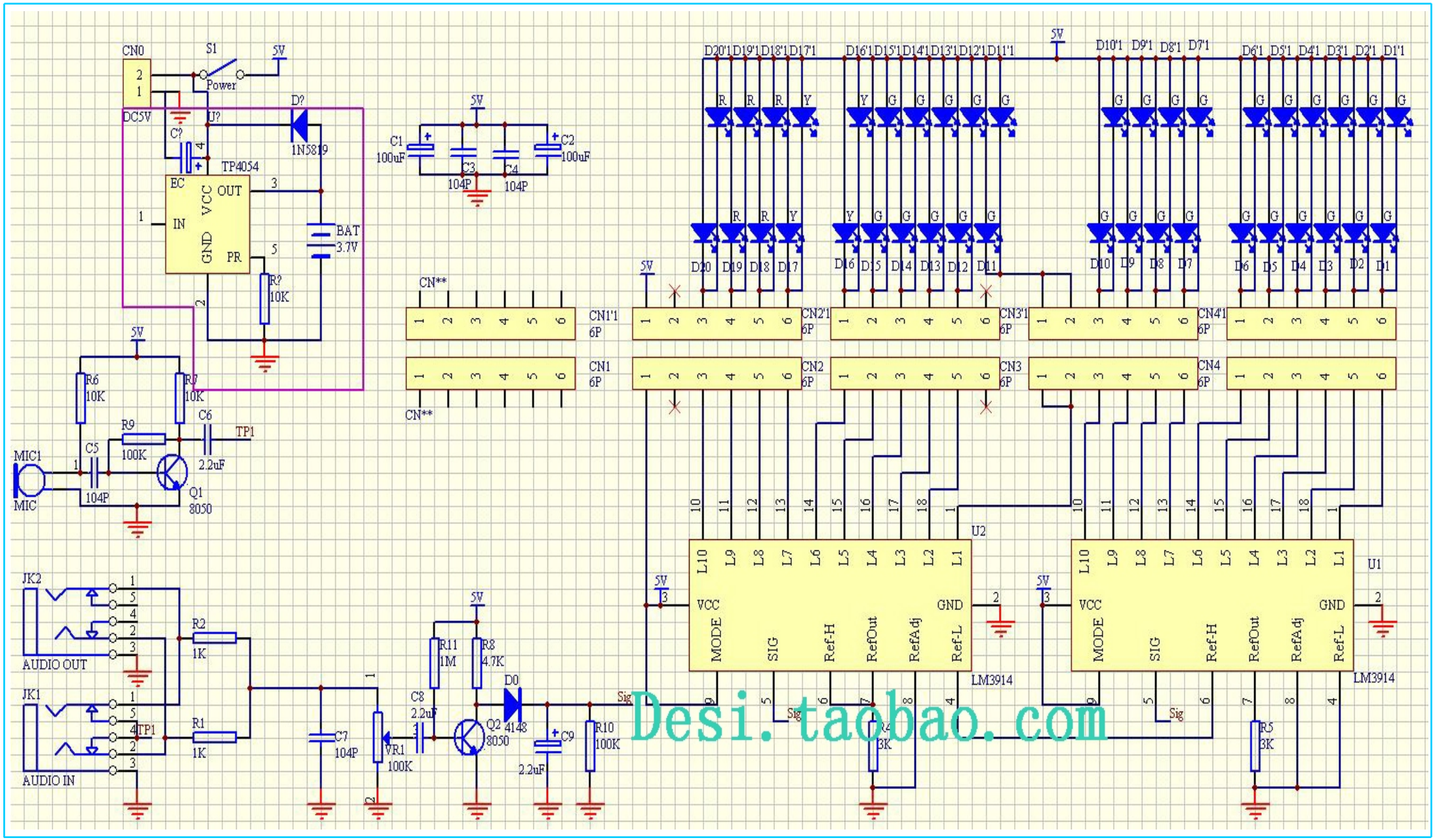

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