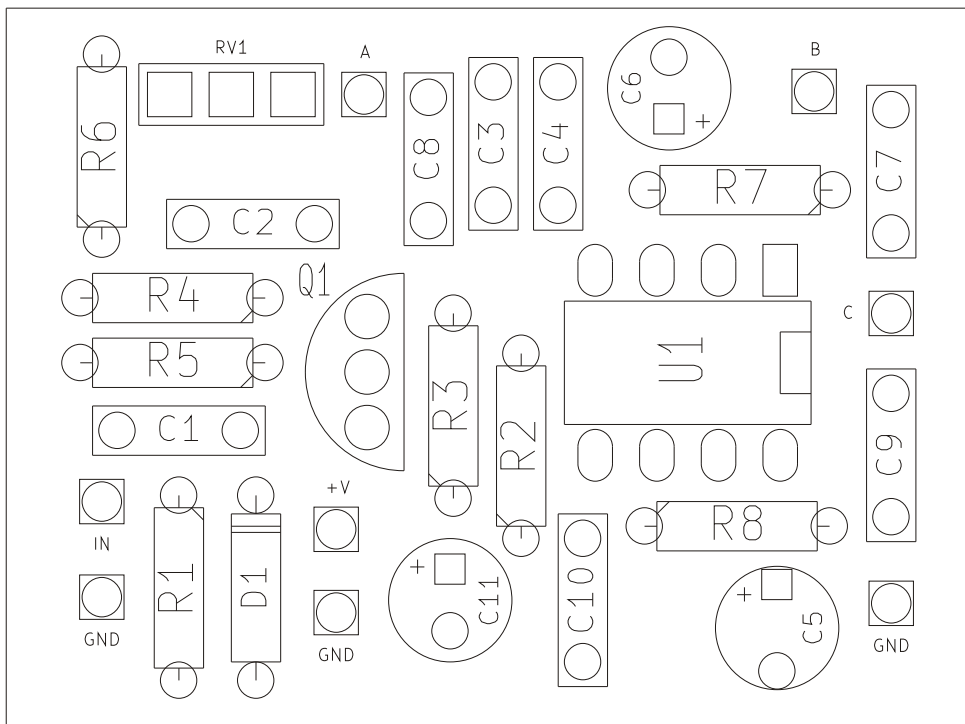
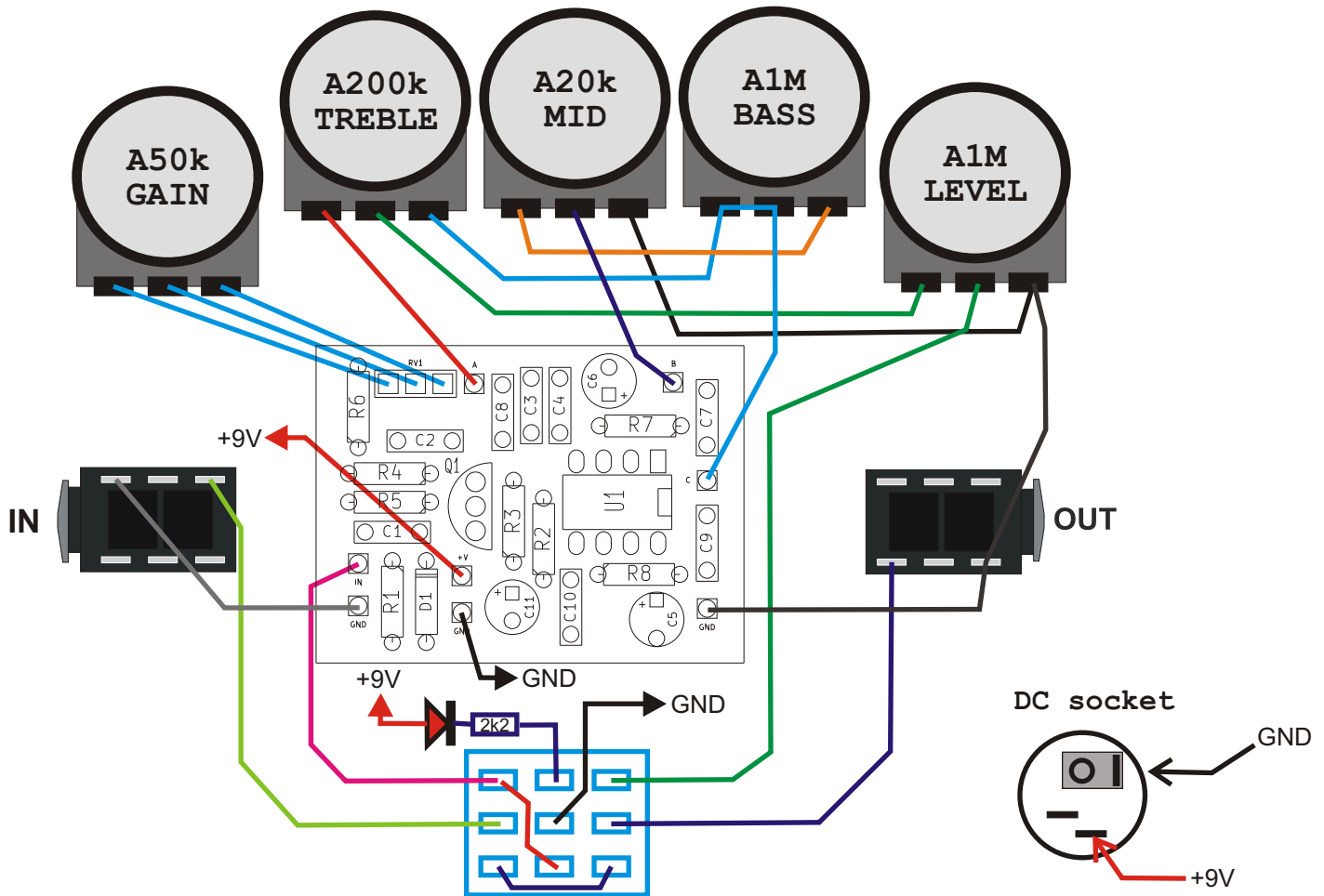


PCB parts placement diagram:



R1	4M7	C1	4n7	D1	1N400X
R2	430k	C2	22n	Q1	2N5088
R3	10k	C3	22n	U1	LM386
R4	43k	C4	4n7		
R5	390R	C5	10u		
R6	56k	C6	47u		
R7	100R	C7	22n		
R8	33k	C8	470p		
RV1	A50k	C9	22n		
RV2	A200k	C10	100n		
RV3	A1M	C11	100u		
RV4	A20k				
RV5	A1M				

Wiring (bottom view):



Use metal enclosure connected to ground.
Power supply: 9V DC

Bill of materials:

Resistors:

100R 1pcs. "R7"
390R 1pcs. "R5"
2k2 1pcs. "LED"
10k 1pcs. "R3"
33k 1pcs. "R8"
43k 1pcs. "R4"
56k 1pcs. "R6"
430k 1pcs. "R2"
4M7 1pcs. "R1"

Capacitors:

470p 1pcs. "C8"
4n7 2pcs. "C1 C4"
22n 4pcs. "C2 C3 C7 C9"
100n 1pcs. "C10"

Electrolytic capacitors:

10u 1pcs. "C5"
47u 1pcs. "C6"
100u 1pcs. "C11"

Semiconductors:

1N400X 1pcs. "D1"
2N5088 1pcs. "Q1"
LM386 1pcs. "U1"
LED 1pcs.

Other:

Footswitch 3PDT 1pcs.
Knobs 5pcs.
JACK socket 2pcs.
DC socket 5.5/2.1 1pcs.

Potentiometers:

A1M 2pcs. "BASS LEVEL"
A20k 1pcs. "MID"
A200k 1pcs. "TREBLE"
A50k 1pcs. "GAIN"

Resistor color code:



$$390 \times 10\Omega = 3,9k\Omega$$

Color	Band 1	Band 2	Band 3	Multiplier	Tolerance
Black	0	0	0	1 Ω	
Brown	1	1	1	10 Ω	1%
Red	2	2	2	100 Ω	2%
Orange	3	3	3	1k Ω	
Yellow	4	4	4	10 k Ω	
Green	5	5	5	100 k Ω	0,5%
Blue	6	6	6	1 M Ω	0,25%
Purple	7	7	7	10 M Ω	0,1%
Gray	8	8	8	100 M Ω	0,05%
White	9	9	9	1 G Ω	
Gold				0,1 Ω	5%
Silver				0,01 Ω	10%

Capacitors markings:

$$\begin{aligned}
 471 &= 47 \times 10^1 \text{ pF} = 470\text{pF} \\
 472 &= 47 \times 10^2 \text{ pF} = 4700\text{pF} = 4,7\text{nF} \\
 473 &= 47 \times 10^3 \text{ pF} = 47000\text{pF} = 47\text{nF} \\
 474 &= 47 \times 10^4 \text{ pF} = 470000\text{pF} = 470\text{nF}
 \end{aligned}$$

$$\begin{aligned}
 100\text{pF} &= 100\text{p} = 100 = 101 \\
 220\text{pF} &= 220\text{p} = 220 = 221 \\
 4,7\text{nF} &= 4\text{n}7 = 0.0047 = 472 \\
 10\text{nF} &= 10\text{n} = 0.01 = 103 \\
 100\text{nF} &= 100\text{n} = 0.1 = 104 \\
 220\text{nF} &= 220\text{n} = 0.22 = 224 \\
 470\text{nF} &= 470\text{n} = 0.47 = 474 \\
 1000\text{nF} &= 1\mu\text{F} = 1\mu = 105
 \end{aligned}$$