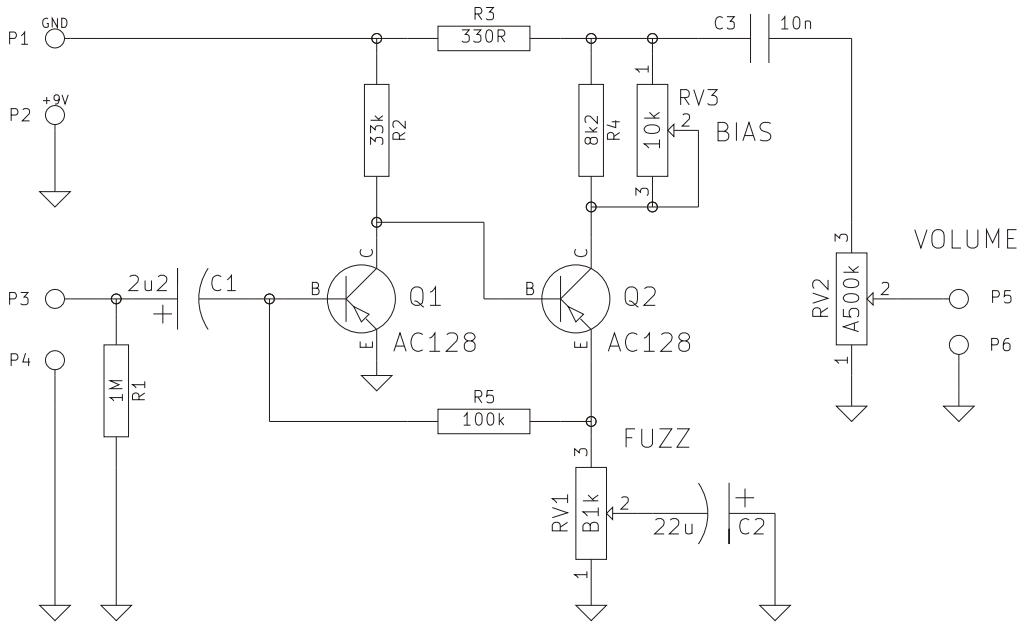
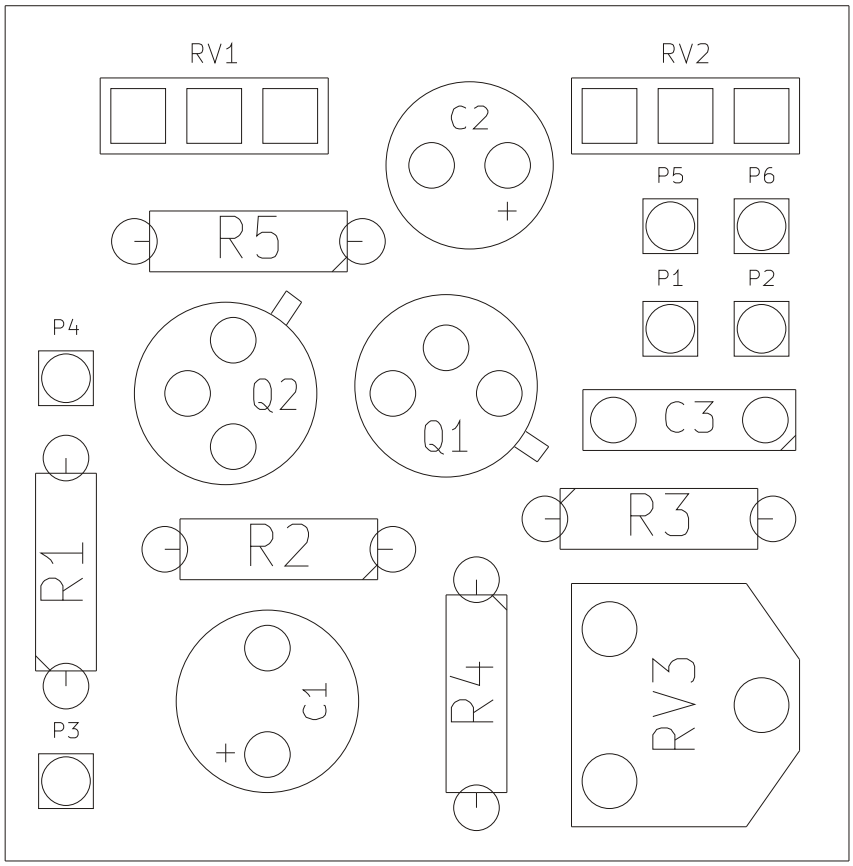
Fuzz Face™ schematic: **12.02.2019**



PCB parts placement diagram:



R1 1M
R2 33k
R3 330R
R4 8k2*
R5 100k

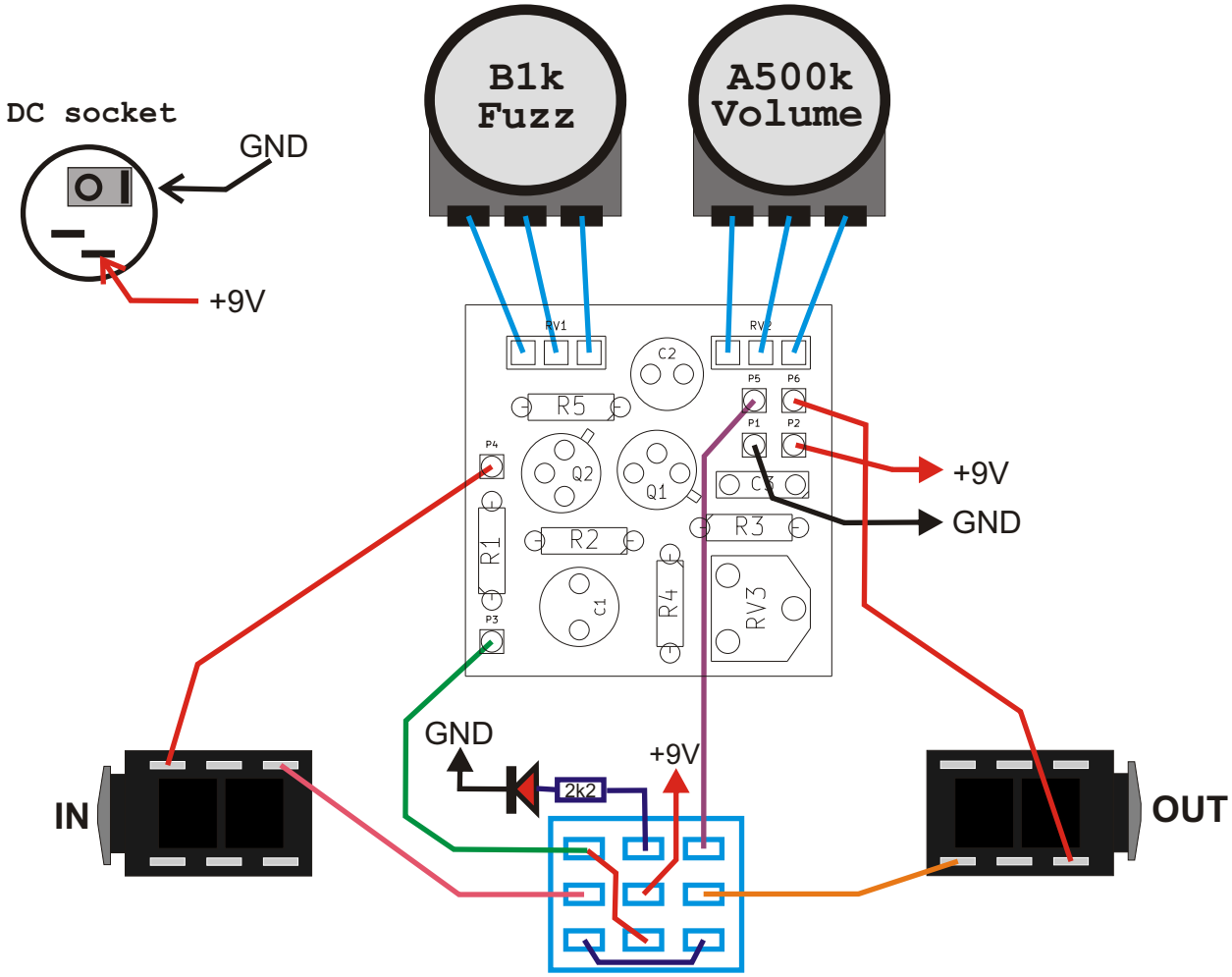
C1 2u2
C2 22u
C3 10n

Q1 AC128
Q2 AC128

RV1 B1k
RV2 A500k
RV3 Tr.10k*

***In original unit R4=8k2 RV3=leave empty.**
In this version R4=leave empty RV3=10k trimpot.
Set trimpot to get sound you like.

Wiring (bottom view):



Use separate power supply to avoid shorts via ground wire.

Bill of materials:

Resistors:
330R 1pcs. "R3"
2k2 1pcs. "LED"
8k2 1pcs. "R4"
33k 1pcs. "R2"
100k 1pcs. "R5"
1M 1pcs. "R1"

Potentiometers:
Trimpot 10k 1pcs. "RV3"
B1k 1pcs. "RV1"
A500k 1pcs. "RV2"

Other:
Knobs 2pcs.
Footswitch 3PDT 1pcs.
Jack socket 2pcs.
DC socket 5.5/2.1 1pcs.

Capacitors:
10n 1pcs. "C3"

Electrolytic capacitors:
2u2 1pcs. "C1"
22u 1pcs. "C2"

Semiconductors:
AC128 2pcs. "Q1 Q2"
LED 1pcs.

Resistor color code:

390 x 10Ω = 3,9kΩ

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 kΩ	
Green	5	5	5	100 kΩ	0,5%
Blue	6	6	6	1 MΩ	0,25%
Purple	7	7	7	10 MΩ	0,1%
Gray	8	8	8	100 MΩ	0,05%
White	9	9	9	1 GΩ	
Gold				0,1 Ω	5%
Silver				0,01 Ω	10%

Capacitors markings:

471 = 47 x 10^1 pF = 470pF
472 = 47 x 10^2 pF = 4700pF = 4,7nF
473 = 47 x 10^3 pF = 47000pF = 47nF
474 = 47 x 10^4 pF = 470000pF = 470nF

100pF	100p	100	101
220pF	220p	220	221
4,7nF	4n7	0.0047	472
10nF	10n	0.01	103
100nF	100n	0.1	104
220nF	220n	0.22	224
470nF	470n	0.47	474
1000nF	1uF	1u	105