

Vacuum Tube Audio SP14 preamp

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vP 8-1-2018

SP14 PCB

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power supply section

D1-4	8 1N5822
D5- D6	4 UF4007 or HER108
D11-12	2 UF4007 or HER108
D13-14	4 UF4007 or HER108
R11-12	2 100 ohm 1w
R20	2 120
R21	2 470
R22	2 1.5K 1/4w
R23	2 340K 1/4w
R24	2 300K 1w
R25	2 100K
R30	1 6.8K 1w
R-FIL	1 1 ohm 1w (use jumper for 2 nd)
C11a	1 33uF 400v
C11b	1 not used
C23	2 10uF 400v
C17, 20, 21	6 470uF 16v
C30	1 .01uF 1000v plus one for power switch
C35-36	4 3300uf 25v
C39	2 0.10uF 100v
Q1	2 TIP50
U1	2 VTA HVR LR8N3-G
U2	2 LD1084V
HS	2 HEAT SINK
socket	1 8 pin
rectifier tube	1 6X5GT

LINE AMP section

R1	2 470K
R2 5 8	6 270 or 332
R3 4	4 680 or 681
R6 7	4 330 or 332
R9	2 100K
R10	2 80.6K
R13	2 1K
R14	4 470K
C3	2 0.22uF K42Y or better
C4 & C6	4 0.10 400v
C5	2 47uF 400v
socket	4 8 pin
V1-4	4 6SN7
spacers	8 4-40 x 1/2"
screws	8 4-40 x 1/4"
screws	8 4-40 x 3/8"
iso mounts	8 isolation mounts