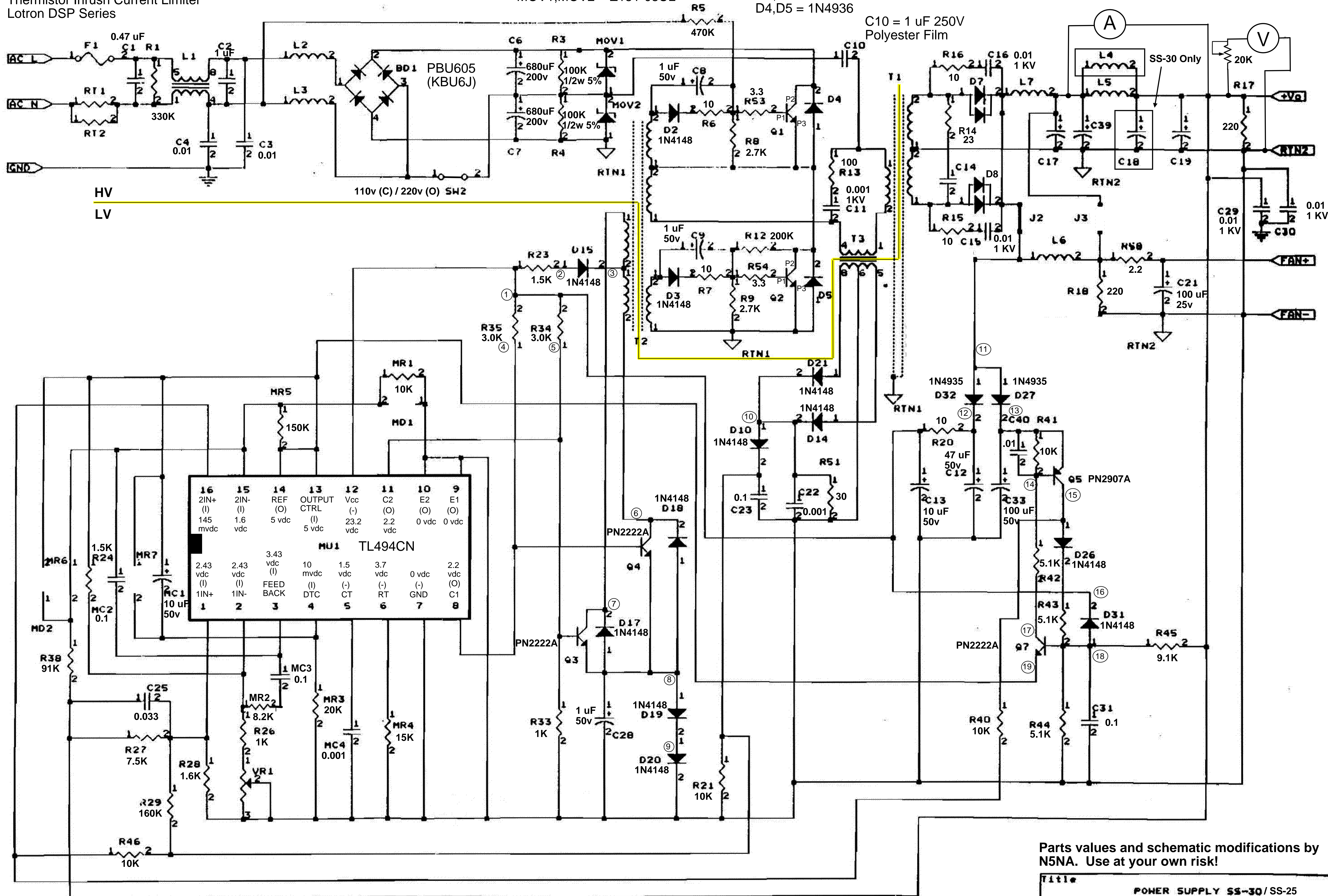


RT1 & RT2 = 5 ohm 4 amp NTC
Thermistor Inrush Current Limiter
Lotron DSP Series

MOV1, MOV2 = Z151-03UL

Q1, Q2 = 2SC2625
D4, D5 = 1N4936

D7, D8 = FEP30DP
C17, C18, C19, C39 = 3300uF, 16v



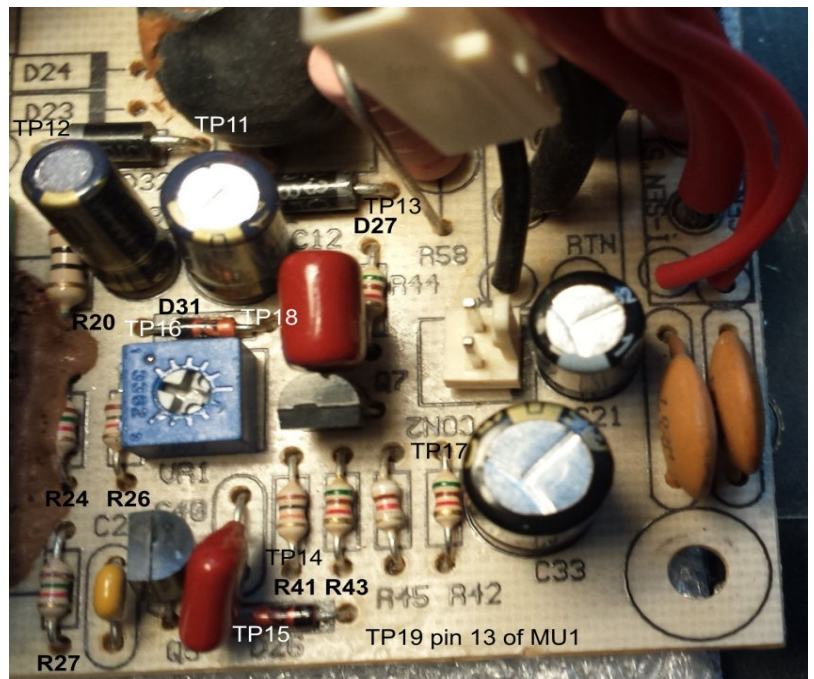
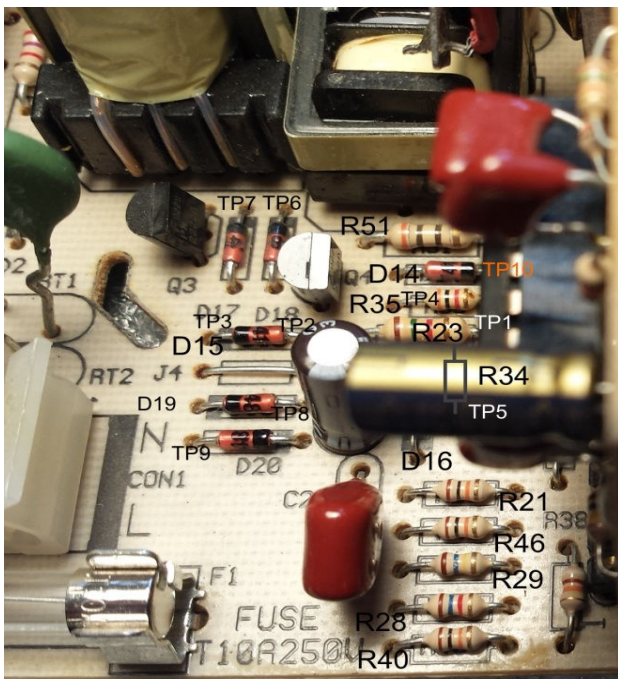
Circled numbers correspond to the test points shown on page 2.

Parts values and schematic modifications by N5NA. Use at your own risk!

Title	POWER SUPPLY SS-30/SS-25
Size Document Number	A3
Date	September 25, 2000
Sheet	1 of 1

Astron SS25 / SS30 Test Voltages

Test Point	Vdc Operating	Vdc 13.8v into output	Vdc Operating No MU1
1	22.90	12.99	7.20
2	2.18	5.43	2.06
3	2.18	4.75	1.39
4	2.15	1.49	2.08
5	2.17	1.47	1.80
6	2.13	4.75	1.39
7	2.13	4.75	1.39
8	1.55	1.42	1.38
9	0.77	0.71	0.69
10	0.01	0.00	0.00
11	13.80	13.80	1.39
12	23.20	13.21	7.39
13	29.50	26.50	33.70
14	28.00	26.40	33.70
15	0.14	0.14	0.03
16	22.80	13.00	7.28
17	28.00	26.00	33.80
18	4.95	4.95	0.49
19	5.00	4.95	0.02



Astron SS25 / SS30 Test Voltages

Test Point	Vdc Operating		Vdc 13.8v into output		Vdc Operating No MU1
1	22.90	14.6	12.99	12.96	7.20
2	2.18	3.18	5.43	2.22	2.06
3	2.18	2.47	4.75	1.509	1.39
4	2.15	1.53	1.49	2.23	2.08
5	2.17	1.52	1.47	2.188	1.80
6	2.13	2.49	4.75	1.502	1.39
7	2.13	2.49	4.75	1.504	1.39
8	1.55	1.48	1.42	1.487	1.38
9	0.77	.74	0.71	.74	0.69
10	0.01	7mV	0.00	3mV	0.00
11	13.80	16.90	13.80	13.87	1.39
12	23.20	16.3	13.21	13.22	7.39
13	29.50	28.4	26.50	22.5	33.70
14	28.00	28.4 29	26.40	22.4	33.70
15	0.14	110mV	0.14	140mV	0.03
16	22.80	16.3	13.00	12.98	7.28
17	28.00	28.6	26.00	22.35	33.80
18	4.95	2.54	4.95	4.94	0.49
19	5.00	5.03	4.95	5.02	0.02

Astron SS25 / SS30 Test Voltages

Test Point	Vdc Operating		Vdc 13.8v into output		Vdc Operating No MU1
1	22.90		12.99	12.93	7.20
2	2.18		5.43	2.036	2.06
3	2.18		4.75	1.99	1.39
4	2.15		1.49	1.52	2.08
5	2.17		1.47	1.50	1.80
6	2.13		4.75	1.982	1.39
7	2.13		4.75	1.983	1.39
8	1.55		1.42	1.455	1.38
9	0.77		0.71	0.728	0.69
10	0.01		0.00	1 mV	0.00
11	13.80		13.80		1.39
12	23.20		13.21	13.18	7.39
13	29.50		26.50	22.74	33.70
14	28.00		26.40	22.56	33.70
15	0.14		0.14	150 mV	0.03
16	22.80		13.00	12.94	7.28
17	28.00		26.00	22.4	33.80
18	4.95		4.95	5.0	0.49
19	5.00		4.95	5.0	0.02