

Epicure M1 Transistor Voltages

L Channel

Transistor	Purpose	Base	Collector	Emitter
Q1	Input	-21mV	8.21	-0.634
Q2	Diff Pair	-16mV	8.17	-0.63
Q3	2 nd Diff	8.23	12.2	7.65
Q4	Pair	8.17	53.7	7.61
Q5	SE V Amp	53.7	0.997	54.1
Q6	Bias	244mV	1.003	-0.422
Q7	Current	-53.4	-0.442	-54
Q8	Driver	1.004	54.8	0.415
Q12	Output	0.366	54.7	-0.5mV
Q13	Output	0.366	54.7	-0.5mV
Q9	Safety?	7.7mV	7.5mV	2.26
Q10	Safety?	6.8mV	7.9mV	-2.39
Q11	Driver	-0.442	-54.2	6.4mV
Q14	Output	-54	-2.1	-54.6
Q15	Output	-54.1	-2.1	-54.6
Q16	?	7.1mV	54.4	6.2mV
Q18	?	54.6	0	54.6
Q17	?	-54	-54.6	-54.7
Q19	?	-54.6	0	-54.7

R Channel

Transistor	Purpose	Base	Collector	Emitter
Q1	Input	-26mV	8.34	-0.642
Q2	Diff Pair	-26mV	8.3	-0.642
Q3	2 nd Diff	8.36	12.48	7.78
Q4	Pair	8.3	53.3	7.73
Q5	SE V Amp	53.4	1.085	54.2
Q6	Bias	180mV	1.085	-0.49
Q7	Current	-53.2	-0.489	-53.8
Q8	Driver	1.085	54.5	0.489
Q12	Output	0.48	54.1	-0.1mV
Q13	Output	0.48	54.1	-0.1mV
Q9	Safety?	3.9mV	3.6mV	2.06
Q10	Safety?	4mV	5mV	-1.9
Q11	Driver	-0.484	-53.9	1.8mV
Q14	Output	-53.7	-1.8	-54.2
Q15	Output	-53.7	-1.6	-54.2
Q16	?	4mV	54.4	2mV
Q18	?	54.5	0	54.6
Q17	?	-53.9	-54.4	-54.5
Q19	?	-54.4	0	-54.5

Notes: All measurements are in VDC unless otherwise noted. All measurements taken while powered through a 150W DBT