

Main Board [ES15 - Smooth & Stepped Generator Component Kit]

Item	Description	Qty	Designator	Package
CAPACITOR				
1	47pF 5% Ceramic	2	C102, C202	RAD-0.2N
2	100pF 5% Ceramic	1	C501	RAD-0.2N
3	1nF 63V Polyester	1	C401	RAD-0.2
4	2.2nF 63V Polyester	1	C402	RAD-0.2
5	100nF Ceramic	12	C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614	RAD-0.2N
6	100nF 63V Polyester	1	C101	RAD-0.2
7	220nF 63V Polyester	1	C201	RAD-0.2
8	10uF 35V Electrolytic	2	C601, C602	RB-D5.0-P2.0
CONNECTOR				
9	IDC16 Box Header	1	J401	2.54MM
10	8-pin IC Socket 0.3inch	3	U103, U201, U501	DIP-8
11	IDC16 Receptacle	4	J101, J201, J301, J401	2.54MM
12	14-pin IC Socket 0.3inch	2	U102, U202	DIP-14
13	16-pin IC Socket 0.3inch	1	U101	DIP-16
DIODE				
14	1N4148	8	D101, D102, D201, D202, D401, D402, D403, D501	DIODE-0.3
LINEAR				
15	LM741 - GP Opamp	1	U501	DIP-8
16	LM13700 - Dual OTA	1	U101	DIP-16
17	LM3900 - Quad Norton Amplifier	2	U102, U202	DIP-14
18	TL072 Dual JFET Opamp	2	U103, U201	DIP-8
INDUCTOR				
19	Ferrite Bead - 5A	2	L601, L602	AXIAL-0.3
RESISTOR				
20	100R 1% 0.5W Metal Film	2	R109, R209	AXIAL-0.4
21	330R 1% 0.5W Metal Film	2	R106, R206	AXIAL-0.4

Main Board [ES15 - Smooth & Stepped Generator Component Kit]

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
22	1K2 1% 0.5W Metal Film	3	R108, R208, R504	AXIAL-0.4
23	3K3 1% 0.5W Metal Film	5	R113, R213, R503, R505, R506	AXIAL-0.4
24	10K 1% 0.5W Metal Film	4	R107, R207, R501, R502	AXIAL-0.4
25	15K 1% 0.5W Metal Film	4	R304, R306, R410, R411	AXIAL-0.4
26	33K 1% 0.5W Metal Film	9	R101, R102, R103, R201, R202, R203, R303, R404, R409	AXIAL-0.4
			NB: DNF R409 until after calibration	
27	100K 1% 0.5W Metal Film	4	R301, R401, R403, R406	AXIAL-0.4
28	150K 1% 0.5W Metal Film	4	R305, R309, R412, R415	AXIAL-0.4
29	470K 1% 0.5W Metal Film	2	R110, R210	AXIAL-0.4
30	680K 1% 0.5W Metal Film	1	R405	AXIAL-0.4
31	820K 1% 0.5W Metal Film	2	R104, R205	AXIAL-0.4
32	1M0 1% 0.5W Metal Film	4	R105, R111, R204, R211	AXIAL-0.4
33	1M5 1% 0.5W Metal Film	3	R308, R408, R414	AXIAL-0.4
34	2M2 1% 0.5W Metal Film	2	R112, R212	AXIAL-0.4
35	2M7 1% 0.5W Metal Film	4	R302, R307, R402, R413	AXIAL-0.4
36	4M7 1% 0.5W Metal Film	1	R407	AXIAL-0.4
	TRANSISTOR			
37	PN4250 PNP Transistor	2	Q301, Q401	TO-92
38	J201 JFET	2	Q101, Q201	TO-92
	TRIMPOT			
39	20K MTV Cermet	2	P301, P401	T93YA
	UNITS			
40	Panther - IDC16 - 24cm	1	J401	-

