

Bill of Materials for ES15 - Smooth & Stepped Generator Component Kit V0.0 - Main Board

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	2	C401, C402	RAD-0.2
4	100nF Ceramic Capacitor	12	C603, C604, C605, C606, C607, C608, C609, C610, C611, C612, C613, C614	RAD-0.2N
5	100nF 63V Polyester	1	C101	RAD-0.2
6	220nF 63V Polyester	1	C201	RAD-0.2
7	10uF 35V Electrolytic	2	C601, C602	RB-D5.0-P2.0
CONNECTOR				
8	IDC16 Receptacle	4	J101, J201, J301, J401	-
9	IDC16 Box Header	1	J401	2.54MM
10	8-pin IC Socket 0.3inch	3	U103, U201, U501	DIP-8
11	14-pin IC Socket 0.3inch	2	U102, U202	DIP-14
12	16-pin IC Socket 0.3inch	1	U101	DIP-16
DIODE				
13	1N4148	8	D101, D102, D201, D202, D401, D402, D403, D501	DIODE-0.3
LINEAR				
14	LM13700 - Dual OTA	1	U101	DIP-16
15	TL072 Dual JFET Opamp	2	U103, U201	DIP-8
16	LM741 - GP Opamp	1	U501	DIP-8
17	LM3900 - Quad Norton Amplifier	2	U102, U202	DIP-14
INDUCTOR				
18	Ferrite Bead - 0.45uH 7A	2	L601, L602	-
RESISTOR				
19	100R 1% 0.5W Metal Film	2	R109, R209	AXIAL-0.4
20	330R 1% 0.5W Metal Film	2	R106, R206	AXIAL-0.4
21	1K2 1% 0.5W Metal Film	3	R108, R208, R504	AXIAL-0.4
22	3K3 1% 0.5W Metal Film	5	R113, R213, R503, R505, R506	AXIAL-0.4

