

Bill of Materials for ES79 - Ring Modulator Full Kit V0.0
ES79 - Ring Modulator Component Kit

Item	Description	Qty	Designator	Package
CAPACITOR				
1	47pF 5% Ceramic	1	C202	RAD-0.2N
2	10nF 5% Ceramic	2	C304, C305	RAD-0.2N
3	100nF 63V Polyester	1	C203	RAD-0.2
4	100nF Ceramic	2	C306, C307	RAD-0.2N
5	470nF 63V Polyester	2	C101, C201	RAD-0.2X
6	10uF 35V Electrolytic	3	C301, C302, C303	RB-D5.0-P2.0
CONNECTOR				
7	8-pin IC Socket 0.3inch	1	U202	DIP-8
8	1x4 Pin 20mm Header	3	J102, J202, J203	-
9	IDC16 Box Header	1	J301	2.54MM
10	16-pin IC Socket 0.3inch	1	U201	DIP-16
DIODE				
11	1N4148	1	D101	DIODE-0.3
12	6V2 5% 500mW	1	D301	DIODE-0.3
LINEAR				
13	LM13700 - Dual OTA	1	U201	DIP-16
14	TL071 JFET Opamp	1	U202	DIP-8
INDUCTOR				
15	Ferrite Bead - 0.45uH 7A	2	L301, L302	AXIAL-0.3
POTENTIOMETER				
16	20KB LIN - 18T Spline	1	P103	ALPHA 16MM
RESISTOR				
17	330R 1% 0.5W Metal Film	3	R206, R207, R210	AXIAL-0.4
18	1K0 1% 0.5W Metal Film	2	R106, R107	AXIAL-0.4
19	2K2 1% 0.5W Metal Film	2	R102, R301	AXIAL-0.4

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	RESISTOR - continued			
20	10K 1% 0.5W Metal Film	2	R101, R103	AXIAL-0.4
21	15K 1% 0.5W Metal Film	1	R208	AXIAL-0.4
22	22K 1% 0.5W Metal Film	4	R104, R110, R201, R203	AXIAL-0.4
23	47K 1% 0.5W Metal Film	1	R109	AXIAL-0.4
24	56K 1% 0.5W Metal Film	1	R213	AXIAL-0.4
25	68K 1% 0.5W Metal Film	2	R202, R209	AXIAL-0.4
26	100K 1% 0.5W Metal Film	1	R108	AXIAL-0.4
27	137K 1% 0.5W Metal Film	1	R204	AXIAL-0.4
28	150K 1% 0.5W Metal Film	1	R205	AXIAL-0.4
29	220K 1% 0.5W Metal Film	1	R105	AXIAL-0.4
30	1M0 1% 0.5W Metal Film	1	R211	AXIAL-0.4
	TRANSISTOR			
31	BC557B PNP Transistor	3	Q101, Q102, Q103	TO-92
	TRIMPOT			
32	10K 25TV Cermet	1	P101	T93YA
33	20K 25TV Cermet	2	P102, P201	T93YA
	UNITS			
34	Panther - IDC16 - 24cm	1	J301	-

ES79 - Ring Modulator Hardware Kit

Item	Description	Qty	Designator	Package
CONNECTOR				
1	3.5mm Mono PCB Socket - Blue	2	J101, J202	-
2	3.5mm Mono PCB Socket - White	1	J203	-
3	3.5mm Mono PCB Socket - Black	2	J102, J201	-
HARDWARE				
4	KNOB - EuroSynth	1	P103	18T SPLINE

