

Bill of Materials for ES22 - Resonant Equalizer Component Kit V0.0 - Column 1

Item	Description	Qty	Designator	Package
CAPACITOR				
1	Do Not Fit	2	C311, C312	-
2	220pF 2.5% Polystyrene	2	C401, C402	AXIAL-0.4W
3	1nF 63V Polyester	2	C301, C302	RAD-0.2
4	4n7 63V Polyester	2	C201, C202	RAD-0.2
5	47nF 63V Polyester	2	C101, C102	RAD-0.2
6	100nF Ceramic Capacitor	2	C103, C104	RAD-0.2N
CONNECTOR				
7	IDC10 RA Box Header	1	J101	-
8	8-pin IC Socket 0.3inch	4	U101, U201, U301, U401	DIP-8
LINEAR				
9	TL071 JFET Opamp	3	U101, U201, U301	DIP-8
10	LF353 - Dual JFET Opamp	1	U401	DIP-8
11	Do Not Fit	1	U302	-
POTENTIOMETER				
12	50KB LIN - 18T Spline	4	P101, P201, P301, P401	ALPHA 16MM
RESISTOR				
13	Do Not Fit	5	R311, R312, R313, R314, R315	-
14	Wire Link	3	LK1011, LK2011, LK4011	TO FIT
15	10K 1% 0.5W Metal Film	1	R403	AXIAL-0.4
16	16K5 1% 0.5W Metal Film	1	R404	AXIAL-0.4
17	27K 1% 0.5W Metal Film	1	R302	AXIAL-0.4
18	33K 1% 0.5W Metal Film	1	R405	AXIAL-0.4
19	39K 1% 0.5W Metal Film	1	R101	AXIAL-0.4
20	43K 1% 0.5W Metal Film	1	R202	AXIAL-0.4
21	47K 1% 0.5W Metal Film	4	R104, R204, R301, R304	AXIAL-0.4
22	68K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
23	91K 1% 0.5W Metal Film	1	R102	AXIAL-0.4
24	130K 1% 0.5W Metal Film	2	R401, R402	AXIAL-0.4

Bill of Materials for ES22 - Resonant Equalizer Component Kit V0.0 - Column 2

Item	Description	Qty	Designator	Package
CAPACITOR				
1	Do Not Fit	2	C301, C302	-
2	220pF 2.5% Polystyrene	2	C401, C402	AXIAL-0.4W
3	680pF 2.5% Polystyrene	2	C311, C312	AXIAL-0.4
4	4n7 63V Polyester	2	C201, C202	RAD-0.2
5	22nF 63V Polyester	2	C101, C102	RAD-0.2
6	100nF Ceramic Capacitor	2	C103, C104	RAD-0.2N
CONNECTOR				
7	IDC10 RA Box Header	1	J101	-
8	8-pin IC Socket 0.3inch	4	U101, U201, U302, U401	DIP-8
LINEAR				
9	TL071 JFET Opamp	2	U101, U201	DIP-8
10	LF353 - Dual JFET Opamp	2	U302, U401	DIP-8
11	Do Not Fit	1	U301	-
POTENTIOMETER				
12	50KB LIN - 18T Spline	4	P101, P201, P301, P401	ALPHA 16MM
RESISTOR				
13	Do Not Fit	4	R301, R302, R303, R304	-
14	Wire Link	3	LK1012, LK2012, LK4012	TO FIT
15	10K 1% 0.5W Metal Film	2	R314, R403	AXIAL-0.4
16	15K4 1% 0.5W Metal Film	1	R404	AXIAL-0.4
17	16K5 1% 0.5W Metal Film	1	R312	AXIAL-0.4
18	22K 1% 0.5W Metal Film	1	R202	AXIAL-0.4
19	30K 1% 0.5W Metal Film	1	R102	AXIAL-0.4
20	33K 1% 0.5W Metal Film	2	R315, R405	AXIAL-0.4
21	36K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
22	47K 1% 0.5W Metal Film	2	R104, R204	AXIAL-0.4
23	51K 1% 0.5W Metal Film	1	R101	AXIAL-0.4
24	68K 1% 0.5W Metal Film	2	R401, R402	AXIAL-0.4

Bill of Materials for ES22 - Resonant Equalizer Component Kit V0.0 - Column 3

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C101, C403	RAD-0.2N
2	2.2nF 63V Polyester	2	C301, C302	RAD-0.2
3	10nF 63V Polyester	2	C201, C202	RAD-0.2
4	100nF Ceramic Capacitor	8	C503, C504, C505, C506, C507, C508, C509, C510	RAD-0.2N
5	4.7uF 50V Electrolytic	2	C401, C402	RB-D5.0-P2.0
6	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
	CONNECTOR			
7	IDC16 Box Header	1	J501	2.54MM
8	IDC10 RA Box Header	1	J502	-
9	1x4 Pin 20mm Header	2	J102, J401	-
10	8-pin IC Socket 0.3inch	4	U101, U201, U301, U402	DIP-8
11	14-pin IC Socket 0.3inch	1	U401	DIP-14
	HARDWARE			
12	9mm Earth Tag	1	PANEL_GND	-
	LINEAR			
13	TL072 Dual JFET Opamp	1	U101	DIP-8
14	TL074 Quad JFET Opamp	1	U401	DIP-14
15	TL071 JFET Opamp	3	U201, U301, U402	DIP-8
	INDUCTOR			
16	Ferrite Bead - 0.45uH 7A	2	L501, L502	-
	POTENTIOMETER			
17	50KB LIN - 18T Spline	2	P201, P301	ALPHA 16MM
18	50KA LOG - 18T Spline	1	P101	ALPHA 16MM
	RESISTOR			
19	330R 1% 0.5W Metal Film	3	R105, R405, R407	AXIAL-0.4
20	3K3 1% 0.5W Metal Film	1	R101	AXIAL-0.4

