

Column 3 [ES16 - Extended ADSR Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100pF 5% Ceramic	1	C102	RAD-0.2N
2	47nF 63V Polyseter	1	C101	RAD-0.2
3	100nF Ceramic	2	C201, C202	RAD-0.2N
	CONNECTOR			
4	IDC16 RA Box Header	1	J201	2.54MM
5	1x4 Pin 16mm Header	1	S101	-
6	1x4 Pin 9mm Header	1	J302	2.54MM
7	8-pin IC Socket 0.3inch	1	U101	DIP-8
	LINEAR			
8	LF353 - Dual JFET Opamp	1	U101	DIP-8
	OPTO-ELECTRONIC			
9	3mm HE-Green LED	1	D101	-
	POTENTIOMETER			
10	50KB LIN - 18T Spline	2	P201, P202	ALPHA 16MM
	RESISTOR			
11	330R 1% 0.5W Metal Film	2	R103, R109	AXIAL-0.4
12	1K0 1% 0.5W Metal Film	1	R104	AXIAL-0.4
13	22K 1% 0.5W Metal Film	1	R108	AXIAL-0.4
14	47K5 1% 0.5W Metal Film	1	R101	AXIAL-0.4
15	51K1 1% 0.5W Metal Film	1	R102	AXIAL-0.4
16	2M2 1% 0.5W Metal Film	1	R107	AXIAL-0.4
17	22M 5% 0.25W Metal Glazed	1	R106	AXIAL-0.4
	SWITCH			
18	SPDT PCB RA [ON-OFF-ON]	1	S101	7103

Bill of Materials for ES16 - Extended ADSR [4mm] Full Kit V0.3
Main [ES16 - Extended ADSR Component Kit]

Item	Description	Qty	Designator	Package
CAPACITOR				
1	10pF 5% Ceramic	1	C202	RAD-0.2N
2	47pF 5% Ceramic	1	C201	RAD-0.2N
3	220pF 5% Ceramic	2	C102, C103	RAD-0.2N
4	1nF 63V Polyester	1	C104	RAD-0.2
5	10nF 5% Ceramic	1	C509	RAD-0.2N
6	22nF 63V Polyester	1	C101	RAD-0.2
7	100nF Ceramic	5	C505, C506, C510, C511, C512	RAD-0.2N
8	10uF 35V Tantalum	1	C105	RB-D7.5-P5.0
9	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
CONNECTOR				
10	IDC16 Receptacle	3	J101, J201, J301	2.54MM
11	IDC16 Box Header	1	J501	2.54MM
12	1x3 Pin 9mm Header	2	JP1, JP2	2.54MM
13	14-pin IC Socket 0.3inch	5	Q201, U101, U102, U103, U203	DIP-14
14	8-pin IC Socket 0.3inch	2	Q101, U201	DIP-8
15	Jumper Shunt	2	JP1, JP2	2.54MM
DIODE				
16	1N4148	4	D101, D102, D201, D202	DIODE-0.3
17	5.1V 2% 500mW	1	D103	DIODE-0.3
LINEAR				
18	LF353 - Dual JFET Opamp	1	U201	DIP-8
19	LM324 - Quad opamp	1	U103	DIP-14
INDUCTOR				
20	Ferrite Bead - 5A	2	L501, L502	AXIAL-0.3
LOGIC				
21	CD4069UB - Hex Inverter Unbuffered	1	U101	DIP-14

