

Bill of Materials for ES19 - Negative Slew Full Kit V0.0

Item	Description	Qty	Designator	Package
	<b>HARDWARE</b>			
1	M3 Thumbscrew	2		-
			NB: Construct-A-Rack	
2	M3 x 6mm Bolt PH	2		-
			NB: Doefper Compatible Rails	
	<b>PANEL</b>			
3	ES19 - Negative Slew Front Panel A	1		-
	<b>KITS</b>			
4	ES19 - Negative Slew PCB Set V0.1	1		-
5	ES19 - Negative Slew Hardware Kit V0.0	1		-
6	ES19 - Negative Slew Component Kit V0.0	1		-

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<b>CAPACITOR</b>				
1	120pF 5% Ceramic, Low K	1	C102	RAD-0.2N
2	100nF Ceramic Capacitor	1	C303	RAD-0.2N
3	330nF 63V Polyester	1	C101	RAD-0.2
4	10uF 35V Electrolytic	3	C301, C302, C305	RB-D5.0-P2.0
<b>CONNECTOR</b>				
5	1x4 Pin 20mm Header	2	J102, J201	-
6	IDC16 Box Header	1	J301	2.54MM
7	14-pin IC Socket 0.3inch	2	U101, U102	DIP-14
<b>HARDWARE</b>				
8	SLEEVING - 4mm Heatshrink	2		-
9	9mm Earth Tag	1	PANEL_GND	-
10	Equipment 7/0.2 Red	4		-
11	Equipment 7/0.2 Black	4		-
<b>LINEAR</b>				
12	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
<b>INDUCTOR</b>				
13	Ferrite Bead - 0.45uH 7A	2	L301, L302	-
<b>OPTO-ELECTRONIC</b>				
14	3mm Yellow LED	1	D101	2MA
<b>POTENTIOMETER</b>				
15	20KB LIN - 18T Spline	1	P202	ALPHA 16MM
16	100KB LIN - 18T Spline	1	P201	ALPHA 16MM
<b>RESISTOR</b>				
17	33R 1% 0.5W Metal Film	1	R106	AXIAL-0.4
18	220R 1% 0.5W Metal Film	3	R110, R115, R118	AXIAL-0.4

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	<b>RESISTOR - continued</b>			
19	1K0 1% 0.5W Metal Film	1	R303	AXIAL-0.4
20	4K7 1% 0.5W Metal Film	2	R113, R205	AXIAL-0.4
21	5K6 1% 0.5W Metal Film	1	R301	AXIAL-0.4
22	6K8 1% 0.5W Metal Film	3	R102, R114, R302	AXIAL-0.4
23	10K 1% 0.5W Metal Film	3	R104, R111, R112	AXIAL-0.4
24	18K 1% 0.5W Metal Film	1	R103	AXIAL-0.4
25	18K7 1% 0.5W Metal Film	1	R204	AXIAL-0.4
26	22K 1% 0.5W Metal Film	2	R202, R206	AXIAL-0.4
27	100K 1% 0.5W Metal Film	1	R101	AXIAL-0.4
28	220K 1% 0.5W Metal Film	3	R105, R203, R207	AXIAL-0.4
29	330K 1% 0.5W Metal Film	1	R107	AXIAL-0.4
30	470K 1% 0.5W Metal Film	4	R108, R109, R201, R208	AXIAL-0.4
31	820K 1% 0.5W Metal Film	1	R116	AXIAL-0.4
32	1M0 1% 0.5W Metal Film	1	R117	AXIAL-0.4
	<b>TRANSISTOR</b>			
33	CA3046 5 NPN Transistors	1	U102	DIP-14
34	BC547B NPN Transistor	2	Q101, Q301	TO-92
	<b>TRIMPOT</b>			
35	100K 25T Cermet VTrim	1	P203	3296W
	<b>UNITS</b>			
36	Panther - IDC16 - 24cm	1	J301	-

Bill of Materials for ES19 - Negative Slew Hardware Kit V0.0

Item	Description	Qty	Designator	Package
	<b>CONNECTOR</b>			
1	3.5mm Mono PCB Socket c/w Nut - Yellow	1	J103	-
2	3.5mm Mono PCB Socket c/w Nut - Green	1	J102	-
3	3.5mm Mono PCB Socket c/w Nut - Blue	2	J101, J201	-
	<b>HARDWARE</b>			
4	KNOB - Panther Hi-contrast Blue	2	P201, P202	18T SPLINE
	<b>OPTO-ELECTRONIC</b>			
5	3mm Clear Lens Mount	1	D101	-

