

Bill of Materials for ES10 - Triple WaveShaper [4mm] Full Kit V0.2

Item	Description	Qty	Designator	Package
	HARDWARE			
1	M3 Thumbscrew	4		-
			NB: Construct-A-Rack	
2	M3 x 6mm Bolt PH	4		-
			NB: Doefper Compatible Rails	
	PANEL			
3	ES10 - Triple WaveShaper Front Panel A	1		-
	KITS			
4	ES10 - Triple WaveShaper [4mm] Hardware Kit V0.2	1		-
5	ES10 - Triple WaveShaper PCB Set V0.2	1		-
6	ES10 - Triple WaveShaper Component Kit V0.2	1		-

Bill of Materials for ES10 - Triple WaveShaper Component Kit V0.2 - Column 1

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	IDC16 RA Box Header	1	J6	2.54MM
2	1x4 Pin 20mm Header	2	J4B, J5B	-
3	1x4 Pin 9mm Header	1	J2	2.54MM
	POTENTIOMETER			
4	100KB LIN - 18T Spline	1	P1	ALPHA 16MM

Bill of Materials for ES10 - Triple WaveShaper Component Kit V0.2 - Column 2

Item	Description	Qty	Designator	Package
CONNECTOR				
1	IDC16 RA Box Header	1	J6	2.54MM
2	1x4 Pin 20mm Header	3	J3, J4B, J5B	-
3	1x4 Pin 9mm Header	1	J2	2.54MM
POTENTIOMETER				
4	100KB LIN - 18T Spline	1	P1	ALPHA 16MM
SWITCH				
5	SPDT PCB RA [ON-ON]	1	J3	7101

Bill of Materials for ES10 - Triple WaveShaper Component Kit V0.2 - Column 3

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	IDC16 RA Box Header	1	J6	2.54MM
2	1x4 Pin 20mm Header	3	J3, J4B, J5B	-
3	1x4 Pin 9mm Header	1	J2	2.54MM
	POTENTIOMETER			
4	100KB LIN - 18T Spline	1	P1	ALPHA 16MM
	SWITCH			
5	SPDT PCB RA [ON-ON]	1	J3	7101

Bill of Materials for ES10 - Triple WaveShaper Component Kit V0.2 - Main Board

Item	Description	Qty	Designator	Package
CAPACITOR				
1	22pF 10% Ceramic	3	C101, C201, C301	RAD-0.2N
2	100nF Ceramic Capacitor	1	C403	RAD-0.2N
3	470nF 63V Polyester	3	C103, C203, C303	RAD-0.2X
4	10uF 35V Electrolytic	1	C401	RB-D5.0-P2.0
5	47uF Electrolytic	3	C102, C202, C302	RB-D6.3-P2.5
CONNECTOR				
6	IDC16 Box Header	1	J401	2.54MM
7	IDC16 Receptacle	3	J101, J201, J301	-
8	14-pin IC Socket 0.3inch	1	U101	DIP-14
DIODE				
9	1N4148	12	D101, D102, D103, D104, D201, D202, D203, D204, D301, D302, D303, D304	DIODE-0.3
LINEAR				
10	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
INDUCTOR				
11	Ferrite Bead - 0.45uH 7A	1	L401	-
RESISTOR				
12	330R 1% 0.5W Metal Film	9	R104, R110, R111, R204, R210, R211, R304, R310, R311	AXIAL-0.4
13	100K 1% 0.5W Metal Film	6	R101, R108, R201, R208, R301, R308	AXIAL-0.4
14	150K 1% 0.5W Metal Film	3	R105, R205, R305	AXIAL-0.4
15	220K 1% 0.5W Metal Film	5	R107, R206, R207, R306, R307	AXIAL-0.4
16	1M5 1% 0.5W Metal Film	9	R102, R103, R109, R202, R203, R209, R302, R303, R309	AXIAL-0.4
TRIMPOT				
17	20K 25T Cermet VTrim	3	P101, P102, P103	3296W
UNITS				
18	Panther - IDC16 - 24cm	1	J401	-

Bill of Materials for ES10 - Triple WaveShaper [4mm] Hardware Kit V0.2

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm PCB Socket c/w Nut - Green	3		-
2	4mm PCB Socket c/w Nut - White	3		-
3	4mm PCB Socket c/w Nut - Blue	6		-
4	4mm PCB Socket c/w Nut - Black	3		-
	HARDWARE			
5	KNOB - Panther Hi-contrast Blue	3		18T SPLINE
	POTENTIOMETER			
6	100KB LIN - 18T Spline	3		ALPHA 16MM
	SWITCH			
7	SPDT PCB RA [ON-ON]	2	2J3, 3J3	7101

Bill of Materials for ES10 - Triple WaveShaper PCB Set V0.2

Item	Description	Qty	Designator	Package
	PCB			
1	Panther Support-5 PCB V0.4	3		-
2	ES10 - Triple WaveShaper PCB V0.2	1		-
3	Panther Carrier PCB V1A	11		-
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