Bill of Materials for ES08 - Audio Mixer [4mm] Full Kit V0.0

Item	Description	Qty	Designator	Package
	HARDWARE			
1	M3 Thumbscrew	2		-
			NB: Construct-A-Rack	
2	M3 x 6mm Bolt PH	2		-
			NB: Doefper Compatible Rails	
	PANEL			
3	ES08 - Audio Mixer Front Panel A	1		-
	KITS			
4	ES08 - Audio Mixer PCB Set V0.0	1		-
5	ES08 - Audio Mixer [4mm] Hardware Kit V0.0	1		-
6	ES08 - Audio Mixer Component Kit V0.0	1		-

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	100nF Ceramic Capacitor	8	C28, C203, C204, C205, C206, C207, C209, C210	RAD-0.2N
2	10uF 35V Electrolytic	2	C201, C202	RB-D5.0-P2.0
	CONNECTOR			
3	IDC16 RA Box Header	1	J105	2.54MM
4	IDC16 Box Header	1	J201	2.54MM
5	8-pin IC Socket 0.3inch	4	U101, U102, U103, U104	DIP-8
	LINEAR			
6	OPA134	4	U101, U102, U103, U104	DIP-8
	INDUCTOR			
7	Ferrite Bead - 0.45uH 7A	2	L201, L202	-
	RESISTOR			
8	1K0 1% 0.5W Metal Film	4	R102, R104, R106, R108	AXIAL-0.4
9	100K 1% 0.5W Metal Film	5	R101, R103, R105, R107, R109	AXIAL-0.4
	UNITS			
10	Panther - IDC16 - 24cm	1	J201	-

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C105, C106	RAD-0.2N
2	100nF Ceramic Capacitor	2	C203, C204	RAD-0.2N
3	1uF 35V Bipolar Electrolytic	5	C101, C102, C103, C104, C107	RB-D6.3-P2.5
	CONNECTOR			
4	IDC16 RA Box Header	1	J101	2.54MM
5	1x4 Pin 9mm Header	1	J105	2.54MM
6	8-pin IC Socket 0.3inch	1	U101	DIP-8
	HARDWARE			
7	9mm Earth Tag	1	PANEL_GND	-
	LINEAR			
8	OPA2134 - Opamp	1	U101	DIP-8
	POTENTIOMETER			
9	100KA LOG - 18T Spline	4	P101, P102, P103, P104	ALPHA 16MM
	RESISTOR			
10	330R 1% 0.5W Metal Film	1	R109	AXIAL-0.4
11	24K 1% 0.5W Metal Film	1	R105	AXIAL-0.4
12	47K 1% 0.5W Metal Film	8	R101, R102, R103, R104, R106, R107, R108, R110	AXIAL-0.4

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm PCB Socket c/w Nut - Black	4	J101, J102, J103, J104	-

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm PCB Socket c/w Nut - White	1	J105	-
	HARDWARE			
2	KNOB - Panther Hi-contrast Blue	4	P101, P102, P103, P104	18T SPLINE

Item	Description	Qty	Designator	Package
	PCB			
1	ES08 - Audio Mixer PCB V0.2	1		-
2	CGS733 - Matrix Mixer A - ROW V0.2	1		-
3	Panther Carrier PCB V1A	1		-
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