ASM318 - Ladder Filter Full Kit

Item	Description	Qty	Designator	Package
	HARDWARE			
1	M3 x 6mm Bolt PH	4	NB: Doepfer Compatible Rails	-
2	M3 x 10mm Bolt PH	4	NB: ELBY Designs Rails	-
	KITS			
3	ASM318 - Ladder Filter PCB/Panel Set V0.6	1		-
4	ASM318 - Ladder Filter Hardware Kit V0.6	1		-
5	ASM318 - Ladder Filter Component Kit V0.6	1		-

Column 1 [ASM318 - Ladder Filter Component Kit]

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	IDC16 RA Box Header	1	J6	2.54MM
2	1x4 Pin 16mm Header	2	J4B, J5B	-
	POTENTIOMETER			
3	10KA LOG - 18T Spline	1	P1	ALPHA 16MM
4	100KB LIN - 18T Spline	2	P2, P3	ALPHA 16MM

Column 2 [ASM318 - Ladder Filter Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	1nF 63V Polyester	1	C401	RAD-0.2
2	100nF Ceramic	2	C601, C602	RAD-0.2N
	CONNECTOR			
3	IDC10 RA Box Header	1	J601	-
4	1x4 Pin 9mm Header	2	J401, J501	2.54MM
5	8-pin IC Socket 0.3inch	2	Q401, U401	DIP-8
	DIODE			
6	1N4148	1	D401	DIODE-0.3
	LINEAR			
7	LF412 - Dual Bi-FET Opamp	1	U401	DIP-8
	POTENTIOMETER			
8	50KB LIN - 18T Spline	3	P401, P402, P403	ALPHA 16MM
	RESISTOR			
9	1K0 1% 0.5W Metal Film	2	R408, R410	AXIAL-0.4
10	1K8 1% 0.5W Metal Film	1	R407	AXIAL-0.4
11	2K2 1% 0.5W Metal Film	1	R411	AXIAL-0.4
12	100K 1% 0.5W Metal Film	3	R402, R403, R404	AXIAL-0.4
13	220K 1% 0.5W Metal Film	1	R401	AXIAL-0.4
14	365K 1% 0.5W Metal Film	1	R409	AXIAL-0.4
	TRANSISTOR			
15	LS312 - Dual Matched NPN Transistors	1	Q401	DIP-8

Main [ASM318 - Ladder Filter Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	68nF 63V Polyester	4	C201, C202, C203, C204	RAD-0.2
2	100nF Ceramic	4	C303, C304, C305, C306	RAD-0.2N
3	680nF 63V Polyester	1	C101	RAD-0.2X
4	10uF 35V Electrolytic	2	C301, C302	RB-D5.0-P2.0
5	10uF 35V Tantalum	1	C206	RB-D7.5-P5.0
6	22uF 35V Tantalum	1	C205	RB-D9.0-P5.0
7	220uF 25V Electrolytic	1	C207	RB-PD10.0-P5.0
	CONNECTOR			
8	IDC16 Receptacle	1	J1	2.54MM
9	IDC10 Receptacle	1	J302	2.54MM
10	IDC10 Box Header	1	J301	2.54MM
11	8-pin IC Socket 0.3inch	5	Q201, Q208, U101, U201, U202	DIP-8
	LINEAR			
12	LF412 - Dual Bi-FET Opamp	1	U201	DIP-8
13	TL082 Dual JFET Opamp	1	U101	DIP-8
14	TL071 JFET Opamp	1	U202	DIP-8
	INDUCTOR			
15	Ferrite Bead - 5A	2	L301, L302	AXIAL-0.3
	RESISTOR			
16	330R 1% 0.5W Metal Film	7	R109, R201, R202, R203, R204, R205, R207	AXIAL-0.4
17	470R 1% 0.5W Metal Film	2	R206, R208	AXIAL-0.4
18	1K0 1% 0.5W Metal Film	2	R209, R210	AXIAL-0.4
19	6K8 1% 0.5W Metal Film	2	R211, R212	AXIAL-0.4
20	7K5 1% 0.5W Metal Film	2	R106, R107	AXIAL-0.4
21	22K 1% 0.5W Metal Film	1	R105	AXIAL-0.4
22	47K 1% 0.5W Metal Film	1	R103	AXIAL-0.4
23	100K 1% 0.5W Metal Film	3	R101, R102, R108	AXIAL-0.4

Main [ASM318 - Ladder Filter Component Kit]

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
24	470K 1% 0.5W Metal Film	2	R104, R213	AXIAL-0.4
	TRANSISTOR			
25	LS312 - Dual Matched NPN Transistors	2	Q201, Q208	DIP-8
26	BC549C NPN Transistor	6	Q202, Q203, Q204, Q205, Q206, Q207	TO-92
	TRIMPOT			
27	1K 25TV Cermet	1	P201	T93YA
28	100K 20TV Cermet	1	P202	T93YA

Column 1 [ASM318 - Ladder Filter Hardware Kit]

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	3.5mm Mono PCB Socket - Blue	2	J4B, J5B	-
2	3.5mm Mono PCB Socket - Black	2	J4A, J5A	-
	HARDWARE			
3	KNOB - EuroSynth	3	P1, P2, P3	18T SPLINE

Column 2 [ASM318 - Ladder Filter Hardware Kit]

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	3.5mm Mono PCB Socket - White	1	J501	-
2	3.5mm Mono PCB Socket - Blue	1	J401	-
	HARDWARE			
3	KNOB - EuroSynth	3	P401, P402, P403	18T SPLINE

ASM318 - Ladder Filter PCB/Panel Set

Item	Description	Qty	Designator	Package
	PANEL			
1	ASM318 - VCF2 Front Panel A	1		-
	PCB			
2	Panther Support-5 PCB V0.6	1		-
3	ASM318 - Ladder Filter Column 2 PCB V0.6	1		-
4	ASM318 - Ladder Filter PCB V0.6	1		-
5	Panther Carrier PCB - JACK-SPDT V1.3	4		-
	End of document			