

Main Board [ASM317 - State Variable Filter Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	10pF 5% Ceramic	2	C101, C103	RAD-0.2N
2	330pF 5% Ceramic	2	C102, C104	RAD-0.2N
3	100nF Ceramic	4	C403, C404, C405, C406	RAD-0.2N
4	47pF Ceramic	1	C105 NB: Fit across U105_1 & U105_2	RAD-0.1N
5	10uF 35V Electrolytic	2	C401, C402	RB-D5.0-P2.0
	CONNECTOR			
6	IDC16 Receptacle	3	J101, J201, J301	2.54MM
7	IDC16 Box Header	1	J401	2.54MM
8	8-pin IC Socket 0.3inch	4	U101, U103, U104, U201	DIP-8
9	14-pin IC Socket 0.3inch	1	U105	DIP-14
10	16-pin IC Socket 0.3inch	1	U102	DIP-16
	DIODE			
11	1N4148	2	D101, D102 NB: SEM Modification	DIODE-0.3
	LINEAR			
12	TL084 Quad JFET Opamp	1	U105	DIP-14
13	CA3140 Opamp	3	U101, U103, U104	DIP-8
14	LM13700 - Dual OTA	1	U102	DIP-16
15	TL071 JFET Opamp	1	U201	DIP-8
	INDUCTOR			
16	Ferrite Bead - 5A	2	L401, L402	AXIAL-0.3
	RESISTOR			
17	TEMPCO - PT146 2K 3500ppm	1	R204	AXIAL-0.5
18	22R 1% 0.5W Metal Film	2	R105, R110	AXIAL-0.4
19	33R 1% 0.5W Metal Film	1	R206	AXIAL-0.4
20	47R 1% 0.5W Metal Film	1	R131	AXIAL-0.4
21	220R 1% 0.5W Metal Film	2	R107, R112	AXIAL-0.4

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	RESISTOR - continued			
22	330R 1% 0.5W Metal Film	4	R118, R121, R125, R134	AXIAL-0.4
23	560R 1% 0.5W Metal Film	1	R207	AXIAL-0.4
24	10K 1% 0.5W Metal Film	3	R104, R109, R129 NB: R129 SEM Modification	AXIAL-0.4
25	18K 1% 0.5W Metal Film	3	R103, R108, R113	AXIAL-0.4
26	20K 1% 0.5W Metal Film	1	R205	AXIAL-0.4
27	27K 1% 0.5W Metal Film	1	R127	AXIAL-0.4
28	47K 1% 0.5W Metal Film	6	R116, R122, R126, R130, R135, R203 NB: R130 SEM Modification	AXIAL-0.4
29	100K 1% 0.5W Metal Film	15	R101, R102, R114, R115, R117, R119, R120, R123, R124, R128, R132, R133, R136, R137, R202 NB: R128 SEM Modification	AXIAL-0.4
30	150K 1% 0.5W Metal Film	1	R208	AXIAL-0.4
31	200K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
32	1M0 1% 0.5W Metal Film	2	R106, R111	AXIAL-0.4
	TRANSISTOR			
33	LS358 - Dual Matched PNP Transistors	1	Q202	DIP-8
34	2N3904 NPN Transistor	1	Q201	TO-92
	TRIMPOT			
35	100R MTV Cermet	1	P201	T93YA
36	100K MTV Cermet	2	P101, P102 NB: & CV2 Rejection	T93YA
	UNITS			
37	Panther - IDC16 - 24cm	1	J401	-

