



**Bill of Materials for CGS735 - Synthacon Filter Full Kit Revision 1.4 (COLUMN2)**

<b>Item</b>	<b>Description</b>	<b>Qty</b>	<b>Designator</b>	<b>Package</b>
	<b>CONNECTOR</b>			
1	IDC - 16-way RA Box Header	1 (4)	X5	2.54mm
2	3.5mm Mono PCB Socket - Cliff	1 (6)	X1	
3	HDR - 1x4 Pin Extended	1 (2)	J101	2.54mm
	<b>HARDWARE</b>			
4	KNOB - Panther - Yellow	3 (6)	P101, P102, P103	
	<b>PCB</b>			
5	Panther Pot PCB	1 (1)	PCB1	
6	Panther Carrier PCB	1 (2)	PCB2	
	<b>POTENTIOMETER</b>			
7	100KB LIN (16mm Alpha, 18T Spline)	3 (5)	P101, P102, P103	
	<b>KITS</b>			
8	Panther IDC16 Cable - 08cm	1 (1)	COLUMN2	
	End of document			

**Bill of Materials for CGS735 - Synthacon Filter Full Kit Revision 1.4 (COLUMN3)**

<b>Item</b>	<b>Description</b>	<b>Qty</b>	<b>Designator</b>	<b>Package</b>
	<b>CAPACITOR</b>			
1	47pF 5% Ceramic, Low K,	4 (4)	C101, C102, C103, C208	RAD-0.2N
2	2.2nF 50V Polyester	3 (3)	C202, C203, C204	RAD-0.2
3	100nF 50V Polyester	1 (1)	C205	RAD-0.2
4	100nF Decoupling Capacitor	4 (4)	C403, C404, C405, C406	RAD-0.2N
5	1uF 63V Electrolytic	4 (4)	C201, C207, C209, C212	RB-.1/.2
6	10uF 63V Electrolytic	3 (3)	C211, C401, C402	RB-.1/.2
7	47uF 35V Electrolytic	2 (2)	C206, C210	
	<b>CONNECTOR</b>			
8	IDC - 16-way Box Header	1 (1)	J401	2.54mm
9	IDC - 16-way RA Box Header	2 (4)	J301, J302	2.54mm
10	3.5mm Mono PCB Socket - Cliff	1 (6)	J202	
11	HDR - 1x4 Pin Extended	1 (2)	J202	2.54mm
12	DIP - 8-pin IC Socket 0.3"	1 (1)	U201	DIP-8-0.3
13	DIP - 14-pin DIP Socket 0.3"	1 (1)	U101	DIP-14-0.3
	<b>DIODE</b>			
14	ZENER - 10.0V 5% 500mW	2 (2)	D209, D210	DIODE-0.4
15	SIGNAL - 1N4148	8 (8)	D201, D202, D203, D204, D205, D206, D207, D208	DIODE-0.3

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<b>Item</b>	<b>Description</b>	<b>Qty</b>	<b>Designator</b>	<b>Package</b>
	<b>HARDWARE</b>			
16	FIXING - 9mm Earth Tag	1 (1)	TP401	
17	KNOB - Panther - Yellow	3 (6)	P203, P204, P205	
	<b>LINEAR</b>			
18	TL071 JFET Opamp	1 (1)	U201	DIP-8 0.3"
19	TL074 Quad JFET Opamp	1 (1)	U101	DIP-8 0.3"
	<b>INDUCTOR</b>			
20	Single bead inductor	2 (2)	L401, L402	AXIAL-0.4
	<b>PANEL</b>			
21	CGS735 - Synthacon VCF Front Panel	1 (1)	PANEL	
	<b>PCB</b>			
22	Panther Carrier PCB	1 (2)	PCB2	
23	CGS735 - Synthacon VCF PCB	1 (1)	PCB1	
	<b>POTENTIOMETER</b>			
24	1KB LIN (16mm Alpha, 18T Spline)	1 (1)	P203	
25	100KB LIN (16mm Alpha, 18T Spline)	2 (5)	P204, P205	

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<b>Item</b>	<b>Description</b>	<b>Qty</b>	<b>Designator</b>	<b>Package</b>
	<b>RESISTOR</b>			
26	Resistor - Wire Link	1 (1)	R220	
27	180R 1% 0.5W Metal Film	2 (2)	R203, R219	AXIAL-0.4
28	470R 1% 0.5W Metal Film	2 (2)	R217, R224	AXIAL-0.4
29	1K 1% 0.5W Metal Film	5 (5)	R202, R204, R209, R212, R213	AXIAL-0.4
30	2K2 1% 0.5W Metal Film	3 (3)	R201, R205, R207	AXIAL-0.4
31	3K9 1% 0.5W Metal Film	1 (1)	R216	AXIAL-0.4
32	5K6 1% 0.5W Metal Film	2 (2)	R222, R223	AXIAL-0.4
33	8K2 1% 0.5W Metal Film	1 (1)	R206	AXIAL-0.4
34	10K 1% 0.5W Metal Film	1 (1)	R210	AXIAL-0.4
35	47K 1% 0.5W Metal Film	3 (3)	R103, R106, R110	AXIAL-0.4
36	100K 1% 0.5W Metal Film	9 (9)	R101, R102, R104, R105, R108, R109, R112, R113, R211	AXIAL-0.4
37	180K 1% 0.5W Metal Film	2 (2)	R107, R215	AXIAL-0.4
38	220K 1% 0.5W Metal Film	1 (1)	R214	AXIAL-0.4
39	390K 1% 0.5W Metal Film	1 (1)	R111	AXIAL-0.4
40	2M2 1% 0.5W Metal Film	1 (1)	R208	AXIAL-0.4
	<b>TRANSISTOR</b>			
41	2N3904 NPN Transistor	3 (3)	Q101, Q102, Q103	TO-92
42	2N3906 PNP Transistor	1 (1)	Q104	TO-92

