

Bill of Materials for CGS765 - Tube VCA Full Kit Revision V1.3

Item	Description	Qty	Designator	Package
	<b>HARDWARE</b>			
1	M3 x 10mm Bolt PH Polycarbonate	2		-
2	M3 x 6mm Bolt PH Polycarbonate	2		-
	<b>PANEL</b>			
3	CGS765 - Tube VCA Front Panel	1		-
	<b>KITS</b>			
4	CGS765 - Tube VCA PCB Set RevV1.3	1		-
5	CGS765 - Tube VCA Component Kit RevV1.3	1		-
6	Kit Packaging	1		-

Bill of Materials for CGS765 - Tube VCA Component Kit Revision V1.3 - Main Board

Item	Description	Qty	Designator	Package
<b>CAPACITOR</b>				
1	47pF 5% Ceramic	4	C101, C201, C203, C302	RAD-0.2N
2	100nF Decoupling Capacitor	4	C404, C405, C406, C407	RAD-0.2N
3	100nF 63V Polyester	1	C202	RAD-0.2
4	220nF 63V Polyester	2	C102, C301	RAD-0.2
5	10uF Electrolytic	2	C402, C403	RB-D5.0-P2.0
6	47uF Electrolytic	2	C303, C401	RB-D6.3-P2.5
<b>CONNECTOR</b>				
7	3.5mm Mono PCB Socket c/w Nut - White	1	J301	-
8	3.5mm Mono PCB Socket c/w Nut - Blue	1	J201	-
9	3.5mm Mono PCB Socket c/w Nut - Black	2	J102, J103	-
10	IDC16 Box Header	2	J101, J401	2.54MM
11	8-pin IC Socket 0.3inch	2	U101, U201	DIP-8
<b>DIODE</b>				
12	1N4148	2	D301, D302	DIODE-0.3
<b>LINEAR</b>				
13	LM358 - Dual Opamp	1	U201	DIP-8
14	1J24B Valve	1	V101	-
15	2W Dual Output DC/DC Converter RevV1.0	1	U401	SIP-7
16	TL072 Dual JFET Opamp	1	U101	DIP-8
<b>INDUCTOR</b>				
17	Ferrite Bead - 7A	1	L401	-
<b>OPTO-ELECTRONIC</b>				
18	3mm Red LED	2	D303, D304	-
<b>RESISTOR</b>				
19	1K0 1% 0.5W Metal Film	1	R307	AXIAL-0.4
20	1K5 1% 0.5W Metal Film	2	R302, R303	AXIAL-0.4

Bill of Materials for CGS765 - Tube VCA Component Kit Revision V1.3 - Main Board

Item	Description	Qty	Designator	Package
	<b>RESISTOR - continued</b>			
21	2K2 1% 0.5W Metal Film	1	R104	AXIAL-0.4
22	10K 1% 0.5W Metal Film	1	R205	AXIAL-0.4
23	20K 1% 0.5W Metal Film	1	R301	AXIAL-0.4
24	36K 1% 0.5W Metal Film	1	R304	AXIAL-0.4
25	39K 1% 0.5W Metal Film	1	R308	AXIAL-0.4
26	100K 1% 0.5W Metal Film	10	R101, R102, R103, R201, R202, R203, R206, R208, R305, R306	AXIAL-0.4
27	220K 1% 0.5W Metal Film	2	R204, R207	AXIAL-0.4
28	330K 1% 0.5W Metal Film	2	R105, R106	AXIAL-0.4
	<b>SWITCH</b>			
29	DPDT PCB RA (ON-ON)	1	S101	7201
	<b>TRIMPOT</b>			
30	100K 1T Cermet HTrim	1	P301	3386H
31	100K 25TH Cermet	1	P201	3296X





Bill of Materials for Panther IDC16 Cable - 06cm

Item	Description	Qty	Designator	Package
	<b>CONNECTOR</b>			
1	IDC16 Socket	2		2.54MM
	<b>HARDWARE</b>			
2	IDC Ribbon Cable 16-way	6		1.27MM PITCH



Bill of Materials for Panther IDC16 Cable - 24cm

Item	Description	Qty	Designator	Package
	<b>CONNECTOR</b>			
1	IDC16 Socket	2		2.54MM
	<b>HARDWARE</b>			
2	IDC Ribbon Cable 16-way	24		1.27MM PITCH





Bill of Materials for CGS765 - Tube VCA PCB Set Revision V1.3

Item	Description	Qty	Designator	Package
	<b>PCB</b>			
1	Panther Pot PCB RevV1.3	1		-
2	CGS765 - Tube VCA PCB RevV1.3	1		-
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