Bill of Materials for CGS747X - Cynare Drum Simulator [4mm] Full Kit V1.0G

Item	Description	Qty	Designator	Package
	HARDWARE			
1	M3 Thumbscrew	4		-
			NB: Construct-A-Rack	
2	M3 x 6mm Bolt PH	4		-
			NB: Doefper Compatible Rails	
	PANEL			
3	CGS747 - Cynare Drum Simulator Front Panel V2	1		-
	KITS			
4	CGS747X - Cynare Drum Simulator [4mm] Hardware Kit V0.0	1		-
5	CGS747X - Cynare Drum Simulator PCB Set V1.0G	1		-
6	CGS747X - Cynare Component Kit V1.0	1		-

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	IDC16 RA Box Header	1	J6	2.54MM
2	1x4 Pin 9mm Header	2	J3, J4	2.54MM
	OPTO-ELECTRONIC			
3	3mm HE-Red LED	1	LED1	-
	POTENTIOMETER			
4	100KB LIN - 18T Spline	1	P1	ALPHA 16MM
5	500KB LIN - 18T Spline	1	P2	ALPHA 16MM

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	10nF 63V Polyester	7	C101, C102, C103, C104, C105, C106, C201	RAD-0.2
2	100nF Ceramic	4	C108, C109, C202, C203	RAD-0.2N
3	100nF 63V Polyester	1	C107	RAD-0.2
	CONNECTOR			
4	IDC16 RA Box Header	2	J1, J901	2.54MM
5	8-pin IC Socket 0.3inch	1	U201	DIP-8
6	14-pin IC Socket 0.3inch	2	U101, U102	DIP-14
	LINEAR			
7	TL071 JFET Opamp	1	U201	DIP-8
	LOGIC			
8	CD40106 - Hex Schmitt Trigger	1	U101	DIP-14
9	CD4030 - Quad EXOR	1	U102	DIP-14
	POTENTIOMETER			
10	100KB LIN - 18T Spline	1	P301	ALPHA 16MM
11	500KB LIN - 18T Spline	3	P101, P103, P105	ALPHA 16MM
	RESISTOR			
12	1K5 1% 0.5W Metal Film	1	R203	AXIAL-0.4
13	4K7 1% 0.5W Metal Film	1	R108	AXIAL-0.4
14	10K 1% 0.5W Metal Film	6	R101, R102, R103, R104, R105, R106	AXIAL-0.4
15	47K 1% 0.5W Metal Film	1	R202	AXIAL-0.4
16	100K 1% 0.5W Metal Film	2	R107, R109	AXIAL-0.4
17	330K 1% 0.5W Metal Film	1	R201	AXIAL-0.4
18	2M2 1% 0.5W Metal Film	1	R204	AXIAL-0.4
	TRANSISTOR			
19	PN2222A NPN Transistor	1	Q201	TO-92

Item	Description	Qty	Designator	Package
	UNITS			
20	Panther - IDC16 - 06cm	1	J1	-

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	IDC16 RA Box Header	1	J101	2.54MM
	POTENTIOMETER			
2	20KB LIN - 18T Spline	1	P4	ALPHA 16MM
3	500KB LIN - 18T Spline	3	P1, P2, P3	ALPHA 16MM

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	IDC16 RA Box Header	1	J101	2.54MM
2	1x4 Pin 9mm Header	1	J4	2.54MM
	POTENTIOMETER			
3	20KB LIN - 18T Spline	1	P2	ALPHA 16MM
4	100KB LIN - 18T Spline	2	P1, P3	ALPHA 16MM

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	2.2nF 63V Polyester	3	C704, C705, C706	RAD-0.2
2	10nF 63V Polyester	1	C601	RAD-0.2
3	100nF Ceramic	6	C201, C202, C604, C605, C801, C802	RAD-0.2N
4	100nF 63V Polyester	1	C707	RAD-0.2
5	220nF 63V Polyester	1	C603	RAD-0.2
6	1uF 50V Electrolytic	7	C203, C301, C701, C703, C709, C711, C712	RB-D5.0-P2.0
7	2.2uF Electrolytic	1	C602	RB-D5.0-P2.0
8	10uF 35V Electrolytic	3	C708, C901, C902	RB-D5.0-P2.0
9	47uF Electrolytic	2	C702, C710	RB-D6.3-P2.5
	CONNECTOR			
10	IDC16 Box Header	4	J601, J701, J901, J902	2.54MM
11	1x4 Pin 9mm Header	1	J301	2.54MM
12	8-pin IC Socket 0.3inch	1	U801	DIP-8
13	14-pin IC Socket 0.3inch	1	U601	DIP-14
14	16-pin IC Socket 0.3inch	1	U201	DIP-16
	DIODE			
15	1N4148	8	D601, D602, D701, D702, D703, D704, D705, D706	DIODE-0.3
	HARDWARE			
16	9mm Earth Tag	1	PANEL_GND	-
	LINEAR			
17	TL074 Quad JFET Opamp	1	U601	DIP-14
18	TL072 Dual JFET Opamp	1	U801	DIP-8
19	LM13700 - Dual OTA	1	U201	DIP-16
	INDUCTOR			
20	Ferrite Bead - 0.45uH 7A	2	L901, L902	AXIAL-0.3

Item	Description	Qty	Designator	Package
	POTENTIOMETER			
21	1KB LIN - 18T Spline	1	P701	ALPHA 16MM
	RESISTOR			
22	Do Not Fit	1	R203	-
23	33R 1% 0.5W Metal Film	1	R604	AXIAL-0.4
24	82R 1% 0.5W Metal Film	1	R720	AXIAL-0.4
25	220R 1% 0.5W Metal Film	4	P201A, P201B, P703A, P703B	AXIAL-0.4
26	390R 1% 0.5W Metal Film	1	R704	AXIAL-0.4
27	560R 1% 0.5W Metal Film	1	R712	AXIAL-0.4
28	1K0 1% 0.5W Metal Film	9	R206, R610, R611, R705, R711, R713, R714, R717, R725	AXIAL-0.4
29	2K2 1% 0.5W Metal Film	3	R703, R706, R708	AXIAL-0.4
30	2K4 1% 0.5W Metal Film	1	R719	AXIAL-0.4
31	5K1 1% 0.5W Metal Film	2	R205, R724	AXIAL-0.4
32	5K6 1% 0.5W Metal Film	1	R202	AXIAL-0.4
33	7K5 1% 0.5W Metal Film	1	R707	AXIAL-0.4
34	10K 1% 0.5W Metal Film	2	R608, R609	AXIAL-0.4
35	15K 1% 0.5W Metal Film	1	R607	AXIAL-0.4
36	22K 1% 0.5W Metal Film	1	R722	AXIAL-0.4
37	30K 1% 0.5W Metal Film	3	R201, R204, R723	AXIAL-0.4
38	33K 1% 0.5W Metal Film	1	R302	AXIAL-0.4
39	47K 1% 0.5W Metal Film	1	R701	AXIAL-0.4
40	75K 1% 0.5W Metal Film	1	R603	AXIAL-0.4
41	100K 1% 0.5W Metal Film	10	R301, R303, R601, R602, R605, R606, R801, R802, R803, R804	AXIAL-0.4
42	110K 1% 0.5W Metal Film	1	R721	AXIAL-0.4
43	180K 1% 0.5W Metal Film	1	R710	AXIAL-0.4
44	220K 1% 0.5W Metal Film	3	R715, R716, R718	AXIAL-0.4
45	390K 1% 0.5W Metal Film	1	R702	AXIAL-0.4
46	2M2 1% 0.5W Metal Film	1	R709	AXIAL-0.4
	SWITCH			
47	DPDT Panel [ON-ON-ON]	1	S301	-
48	3PDT Panel [ON-ON]	1	S701	-

Item	Description	Qty	Designator	Package
	TRANSISTOR			
49	PN2222A NPN Transistor	3	Q701, Q702, Q703	TO-92
50	PN2907 PNP Transistor	1	Q704	TO-92
	TRIMPOT			
51	2K 25TV Cermet	1	P702	T93YA
	UNITS			
52	Panther - IDC16 - 24cm	1	J901	-
53	Panther - IDC16 - 12cm	2	J601, J902	-
54	Panther - IDC16 - 06cm	1	J701	-

Item	Description	Qty	Designator	Package
	CONNECTOR			
1	4mm PCB Socket - Red	2		-
2	4mm PCB Socket - White	1		-
3	4mm PCB Socket - Blue	1		-
	HARDWARE			
4	KNOB - Panther Hi-contrast Blue	14		18T SPLINE
	OPTO-ELECTRONIC			
5	3mm Clear Lens Mount	1	1LED1	-

Item	Description	Qty	Designator	Package
	PCB			
1	Panther Carrier PCB V1	2	J3, J4	-
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