

Bill of Materials for CGS747 Cynare Drum Simulator Full Kit Revision 1.0 (Column2)

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	10nF 50V Polyester	7 (8)	C101, C102, C103, C104, C105, C106, C201	RAD-0.2
2	100nF 50V Polyester	1 (2)	C107	RAD-0.2
3	100nF Decoupling Capacitor	4 (10)	C108, C109, C202, C203	RAD-0.2N
	CONNECTOR			
4	IDC - 16-way RA Box Header	2 (7)	J1, J901	2.54mm
5	DIP - 8-pin IC Socket 0.3"	1 (2)	U201	DIP-8-0.3
6	DIP - 14-pin DIP Socket 0.3"	2 (3)	U101, U102	DIP-14-0.3
	HARDWARE			
7	KNOB - Panther - Yellow	4 (14)	P101, P102, P103, P301	
	LINEAR			
8	TL071 JFET Opamp	1 (1)	U201	DIP-8 0.3"
	LOGIC			
9	CD4030 - Quad EXOR	1 (1)	U102	
10	CD40106 - Hex Schmitt Trigger	1 (1)	U101	DIP-14 0.3"

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Item	Description	Qty	Designator	Package
	PCB			
11	CGS747 - Cynare Simulator - Shimmer PCB	1 (1)	PCB1	
	POTENTIOMETER			
12	100KB LIN (16mm Alpha, 18T Spline)	1 (5)	P301	
13	500KB LIN (16mm Alpha, 18T Spline)	3 (7)	P101, P102, P103	
	RESISTOR			
14	1K5 1% 0.5W Metal Film	1 (1)	R203	AXIAL-0.4
15	10K 1% 0.5W Metal Film	6 (9)	R101, R102, R103, R104, R105, R106	AXIAL-0.4
16	47K 1% 0.5W Metal Film	1 (2)	R202	AXIAL-0.4
17	100K 1% 0.5W Metal Film	3 (15)	R107, R108, R109	AXIAL-0.4
18	330K 1% 0.5W Metal Film	1 (1)	R201	AXIAL-0.4
19	2M2 1% 0.5W Metal Film	1 (2)	R204	AXIAL-0.4
	TRANSISTOR			
20	2N3906 PNP Transistor	1 (2)	Q201	TO-92
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Bill of Materials for CGS747 Cynare Drum Simulator Full Kit Revision 1.0 (Column5)

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	2.2nF 50V Polyester	3 (3)	C704, C705, C706	RAD-0.2
2	10nF 50V Polyester	1 (8)	C601	RAD-0.2
3	100nF 50V Polyester	1 (2)	C707	RAD-0.2
4	100nF Decoupling Capacitor	6 (10)	C201, C202, C604, C605, C801, C802	RAD-0.2N
5	220nF 50V Polyester	1 (1)	C603	RAD-0.2
6	1uF 63V Electrolytic	4 (4)	C701, C703, C709, C711	RB-.1/.2
7	2.2uF 63V Electrolytic	1 (1)	C602	
8	10uF 63V Electrolytic	3 (3)	C708, C901, C902	RB-.1/.2
9	47uF 35V Electrolytic	2 (2)	C702, C710	
	CONNECTOR			
10	IDC - 16-way Box Header	2 (2)	J701, J901	2.54mm
11	IDC - 16-way RA Box Header	2 (7)	J601, J902	2.54mm
12	3.5mm Mono PCB Socket - Cliff	1 (4)	J301	
13	HDR - 1x4 Pin Extended	1 (4)	J301	2.54mm
14	DIP - 8-pin IC Socket 0.3"	1 (2)	U801	DIP-8-0.3
15	DIP - 14-pin DIP Socket 0.3"	1 (3)	U601	DIP-14-0.3
16	DIP - 16-pin IC Socket 0.3"	1 (1)	U201	DIP-16-0.3

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Item	Description	Qty	Designator	Package
	DIODE			
17	SIGNAL - 1N4148	10	D601, D602, D701, D702, D703, D704, D705, D706, D801, D802	DIODE-0.3
	HARDWARE			
18	FIXING - 9mm Earth Tag	1 (1)	P701	
19	KNOB - Panther - Yellow	1 (14)	P701	
	LINEAR			
20	TL072 Dual JFET Opamp	1 (1)	U801	DIP-14 0.3"
21	TL074 Quad JFET Opamp	1 (1)	U601	DIP-8 0.3"
22	LM13700 Dual OTA	1 (1)	U201	DIP-8 0.3"
	INDUCTOR			
23	Single bead inductor	2 (2)	L901, L902	AXIAL-0.4
	PCB			
24	Panther Carrier PCB	1 (4)	PCB2	
25	CGS747 - Cynare Simulator - Main PCB	1 (1)	PCB1	
	POTENTIOMETER			
26	1KB LIN (16mm Alpha, 18T Spline)	1 (1)	P701	

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	RESISTOR			
27	33R 1% 0.5W Metal Film	1 (1)	R604	AXIAL-0.4
28	100R 1% 0.5W Metal Film	1 (1)	R712	AXIAL-0.4
29	390R 1% 0.5W Metal Film	1 (1)	R704	AXIAL-0.4
30	560R 1% 0.5W Metal Film	1 (1)	R719	
31	820R 1% 0.5W Metal Film	1 (1)	R806	AXIAL-0.4
32	1K 1% 0.5W Metal Film	10	R206, R304, R610, R611, R705, R711, R713, R714, R717, R725	AXIAL-0.4
33	2K2 1% 0.5W Metal Film	3 (3)	R703, R706, R708	AXIAL-0.4
34	3K9 1% 0.5W Metal Film	1 (1)	R718	AXIAL-0.4
35	4K7 1% 0.5W Metal Film	1 (1)	R207	AXIAL-0.4
36	5K1 1% 0.5W Metal Film	2 (2)	R205, R724	AXIAL-0.4
37	8K2 1% 0.5W Metal Film	1 (1)	R707	AXIAL-0.4
38	10K 1% 0.5W Metal Film	3 (9)	R608, R609, R805	AXIAL-0.4
39	13K 1% 0.5W Metal Film	2 (2)	R202, R721	AXIAL-0.4
40	15K 1% 0.5W Metal Film	1 (1)	R607	AXIAL-0.4
41	27K 1% 0.5W Metal Film	1 (1)	R722	AXIAL-0.4
42	30K 1% 0.5W Metal Film	2 (2)	R204, R723	AXIAL-0.4
43	47K 1% 0.5W Metal Film	1 (2)	R701	AXIAL-0.4
44	56K 1% 0.5W Metal Film	1 (1)	R301	AXIAL-0.4
45	75K 1% 0.5W Metal Film	1 (1)	R603	AXIAL-0.4
46	100K 1% 0.5W Metal Film	12	R201, R302, R303, R601, R602, R605, R606, R720, R801, R802, R803, R804	AXIAL-0.4

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Item	Description	Qty	Designator	Package
	RESISTOR - continued			
47	180K 1% 0.5W Metal Film	1 (1)	R710	AXIAL-0.4
48	220K 1% 0.5W Metal Film	2 (2)	R715, R716	AXIAL-0.4
49	390K 1% 0.5W Metal Film	1 (1)	R702	AXIAL-0.4
50	2M2 1% 0.5W Metal Film	1 (2)	R709	AXIAL-0.4
	SWITCH			
51	TOGGLE - 3PDT PCB, RA (ON-ON)	1 (1)	S301	
52	TOGGLE - DPDT (ON-ON-ON) SPECIAL	1 (1)	S701	
	TRANSISTOR			
53	2N3904 NPN Transistor	3 (3)	Q701, Q702, Q703	TO-92
54	2N3906 PNP Transistor	1 (2)	Q704	TO-92
	TRIMPOT			
55	1K 25-Turn Vertical Cermet Trimpot - 3296W	2 (2)	P201, P704	
56	2K 25-Turn Vertical Cermet Trimpot - 3296W	1 (1)	P703	
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