

CGS313 - Gated Comparator Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	1nF 5% Ceramic,	1	C201	RAD-0.2N
2	1nF 63V Polyester	1	C101	RAD-0.2
3	100nF Ceramic	3	C503, C504, C505	RAD-0.2N
4	100nF 10% Ceramic	5	C506, C507, C508, C509, C510	RAD-0.1
5	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
	CONNECTOR			
6	2x8 Open Pin Header	1	JP301	2.54MM
			NB: See Build Guide	
7	Jumper Shunt	8	JP301^8	2.54MM
			NB: See Build Guide	
8	16-pin IC Socket 0.3inch	1	U202	DIP-16
9	8-pin IC Socket 0.3inch	3	U101, U201, U301	DIP-8
10	KK396 - 4-way Crimp Housing	1	J501	3.96MM
11	CRIMP - KK396	4	J501^4	-
12	KK396 - 4-way Straight - Locking Header	1	J501	-
	DIODE			
13	1N4148	2	D201, D202	DIODE-0.3
	LINEAR			
14	TL072 Dual JFET Opamp	2	U201, U301	DIP-8
15	LM393 - Dual Comparator	1	U101	DIP-8
	INDUCTOR			
16	Ferrite Bead - 5A	2	L501, L502	AXIAL-0.3
	LOGIC			
17	CD4015 - Dual 4-bit Static Shift-register	1	U202	DIP-16

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	RESISTOR			
18	1K0 1% 0.5W Metal Film	12	R104, R321, R322, R402, R405, R408, R411, R414, R417, R420, R423, R426	AXIAL-0.4
19	1K5 1% 0.5W Metal Film	9	R403, R406, R409, R412, R415, R418, R421, R424, R427	AXIAL-0.4
20	2K2 1% 0.5W Metal Film	9	R401, R404, R407, R410, R413, R416, R419, R422, R425	AXIAL-0.4
21	10K 1% 0.5W Metal Film	8	R106, R107, R202, R203, R204, R205, R206, R208	AXIAL-0.4
22	15K 1% 0.5W Metal Film	3	R101, R209, R502	AXIAL-0.4
23	47K 1% 0.5W Metal Film	3	R103, R319, R320	AXIAL-0.4
24	75K 1% 0.5W Metal Film	1	R501	AXIAL-0.4
25	100K 1% 0.5W Metal Film	13	R102, R105, R201, R207, R210, R212, R303, R305, R307, R309, R311, R313,	AXIAL-0.4
			R315, R317	
			NB: R212 Not On PCB	
26	200K 1% 0.5W Metal Film	10	R301, R302, R304, R306, R308, R310, R312, R314, R316, R318	AXIAL-0.4
27	220K 1% 0.5W Metal Film	1	R211	AXIAL-0.4
	TRANSISTOR			
28	2N3904 NPN Transistor	9	Q401, Q402, Q403, Q404, Q405, Q406, Q407, Q408, Q409	TO-92
29	2N3906 PNP Transistor	1	Q101	TO-92
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