

CGS502 - Quantizer Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	10pF 5% Ceramic	1	C204	RAD-0.2N
2	82pF 5% Ceramic	6	C101, C203, C502, C504, C506, C508	RAD-0.2N
3	220pF 5% Ceramic	2	C201, C202	RAD-0.2N
4	10nF 63V Polyester	4	C501, C503, C505, C507	RAD-0.2
5	10nF 5% Ceramic	6	C317, C401, C402, C403, C404, C410	RAD-0.2N
6	100nF Ceramic	13	C305, C306, C311, C312, C313, C314, C315, C409, C509, C510, C511, C512, C513	RAD-0.2N
7	10uF 35V Tantalum	1	C316	RB-D7.5-P5.0
8	10uF 35V Electrolytic	2	C301, C302	RB-D5.0-P2.0
	CONNECTOR			
9	14-pin IC Socket 0.3inch	1	U101	DIP-14
10	CRIMP - KK254	3	J301^3	-
11	3-way 0.1inch Crimp Housing	1	J301	2.54MM
12	3-way 0.1inch Straight Header	1	J301	2.54MM
13	8-pin IC Socket 0.3inch	4	U202, U203, U502, U503	DIP-8
14	16-pin IC Socket 0.3inch	6	U102, U103, U104, U201, U401, U501	DIP-16
	DIODE			
15	1N4148	1	D201	DIODE-0.3
16	TL431 - 2.5V Adjustable Reference Diode	1	D301	TO-92
	LINEAR			
17	LM311 - Comparator	1	U202	DIP-8
18	TLC7524 - 8-bit D/A Converter	1	U201	DIP-16
19	LF353 - Dual JFET Opamp	3	U502, U503, U203	DIP-8
	INDUCTOR			
20	Ferrite Bead - 5A	2	L301, L302	AXIAL-0.3

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	LOGIC			
21	CD4051 - Single 8-channel Multiplexer	2	U401, U501	DIP-16
22	CD4093 - Quad 2-input NAND Schmitt trigger	1	U101	DIP-14
23	CD4520 - Dual Binary Up-Counter	3	U102, U103, U104	DIP-16
	RESISTOR			
24	10R 1% 0.5W Metal Film	1	R305	AXIAL-0.4
25	330R 1% 0.5W Metal Film	5	R206, R502, R504, R506, R508	AXIAL-0.4
26	6K8 1% 0.5W Metal Film	1	R301	AXIAL-0.4
27	15K 1% 0.5W Metal Film	4	R201, R202, R415, R511	AXIAL-0.4
28	22K 1% 0.5W Metal Film	4	R501, R503, R505, R507	AXIAL-0.4
29	33K 1% 0.5W Metal Film	7	R101, R402, R404, R406, R408, R414, R510	AXIAL-0.4
30	41K2 1% 0.5W Metal Film	1	R302	AXIAL-0.4
31	43K 1% 0.5W Metal Film	2	R413, R509	AXIAL-0.4
32	47K 1% 0.5W Metal Film	1	R205	AXIAL-0.4
33	82K5 1% 0.5W Metal Film	1	R304	AXIAL-0.4
34	100K 1% 0.5W Metal Film	5	R102, R401, R403, R405, R407	AXIAL-0.4
35	280K 1% 0.5W Metal Film	1	R303	AXIAL-0.4
36	1M0 1% 0.5W Metal Film	1	R204	AXIAL-0.4
37	3M3 1% 0.5W Metal Film	1	R203	AXIAL-0.4
	TRANSISTOR			
38	2N3904 NPN Transistor	2	Q401, Q501	TO-92
	TRIMPOT			
39	50K MTV Cermet	1	P301	T93YA
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