

CGS516 - Extended ADSR Component Kit

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	10pF 5% Ceramic	1	C202	RAD-0.2N
2	47pF 5% Ceramic	2	C201, C301 NB: C201 optional	RAD-0.2N
3	100pF 5% Ceramic	2	C402, C518 NB: C402 Optional	RAD-0.2N
4	220pF 5% Ceramic	2	C102, C103	RAD-0.2N
5	1nF 63V Polyester	1	C104	RAD-0.2
6	10nF 5% Ceramic	1	C511	RAD-0.2N
7	22nF 63V Polyester	1	C101	RAD-0.2
8	47nF 63V Polyseter	1	C401	RAD-0.2
9	100nF Ceramic	7	C505, C509, C510, C512, C514, C516, C517	RAD-0.2N
10	10uF 35V Tantalum	1	C105	RB-D7.5-P5.0
11	10uF 35V Electrolytic	2	C501, C502	RB-D5.0-P2.0
	CONNECTOR			
12	3-way 0.1inch Straight Header	1	J501	2.54MM
13	CRIMP - KK254	3	J501^3	-
14	3-way 0.1inch Crimp Housing	1	J501	2.54MM
15	8-pin IC Socket 0.3inch	4	Q101, U201, U301, U401	DIP-8
16	14-pin IC Socket 0.3inch	5	Q201, U101, U102, U103, U203	DIP-14
	DIODE			
17	5.1V 5% 500mW	1	D103	DIODE-0.3
18	1N4148	6	D101, D102, D201, D202, D301, D302	DIODE-0.3
	LINEAR			
19	TL072 Dual JFET Opamp	1	U301	DIP-8
20	LM324 - Quad opamp	1	U103	DIP-14
21	LF353 - Dual JFET Opamp	2	U201, U401	DIP-8
	INDUCTOR			
22	Ferrite Bead - 5A	2	L501, L502	AXIAL-0.3

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	LOGIC			
23	CD4001 - Quad 2-input NOR Gate	1	U102	DIP-14
24	CD4016 - Quad Analogue switch	1	U203	DIP-14
25	CD4069UB - Hex Inverter Unbuffered	1	U101	DIP-14
	MODULE			
26	Dual Matched NPN Sub-Assembly	1	Q101	-
	RESISTOR			
27	330R 1% 0.5W Metal Film	2	R403, R409	AXIAL-0.4
28	680R 1% 0.5W Metal Film	1	R113	AXIAL-0.4
29	1K0 1% 0.5W Metal Film	1	R404	AXIAL-0.4
30	2K0 1% 0.5W Metal Film	5	R305, R603, R606, R609, R611	AXIAL-0.4
31	3K3 1% 0.5W Metal Film	2	R308, R312	AXIAL-0.4
32	8K2 1% 0.5W Metal Film	1	R309	AXIAL-0.4
33	22K 1% 0.5W Metal Film	3	R210, R311, R408	AXIAL-0.4
34	47K 1% 0.5W Metal Film	2	R205, R206	AXIAL-0.4
35	47K5 1% 0.5W Metal Film	3	R207, R208, R401	AXIAL-0.4
36	51K1 1% 0.5W Metal Film	1	R402	AXIAL-0.4
37	82K 1% 0.5W Metal Film	7	R112, R209, R302, R307, R602, R605, R608	AXIAL-0.4
38	100K 1% 0.5W Metal Film	8	R101, R102, R104, R108, R109, R301, R303, R310	AXIAL-0.4
39	110K 1% 0.5W Metal Film	6	R304, R306, R601, R604, R607, R610	AXIAL-0.4
40	330K 1% 0.5W Metal Film	5	R103, R105, R106, R107, R110	AXIAL-0.4
41	470K 1% 0.5W Metal Film	1	R111	AXIAL-0.4
42	2M2 1% 0.5W Metal Film	1	R407	AXIAL-0.4
43	22M 5% 0.25W Metal Glazed	1	R406	AXIAL-0.4
	TRANSISTOR			
44	BC547B NPN Transistor	2	Q401, Q402	TO-92
45	BC557B PNP Transistor	1	Q103	TO-92
46	THAT 340 - Dual NPN - Dual PNP Array	1	Q201	DIP-14
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