

Bill of Materials for CGS509 - Dual Transient Generator Component Kit V2.0

Lower TG [CGS509 - Dual Transient Generator Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C102, C103	RAD-0.2N
2	1nF 63V Polyester	1	C101	RAD-0.2
3	22nF 63V Polyester	1	C104	RAD-0.2
4	100nF Ceramic	5	C1, C2, C303, C304, C305	RAD-0.2N
5	10uF 35V Electrolytic	2	C301, C302	RB-D5.0-P2.0
	CONNECTOR			
6	Do Not Fit	1	J301	-
7	14-pin IC Socket 0.3inch	2	Q104, U101	DIP-14
8	8-pin IC Socket 0.3inch	2	U1, U102	DIP-8
9	1x4 Pin Extended Receptacle	1	J302	-
	DIODE			
10	1N4148	4	D101, D102, D103, D202	DIODE-0.3
11	5.6V 5% 500mW	1	D201	DIODE-0.3
	LINEAR			
12	LF353 - Dual JFET Opamp	1	U102	DIP-8
13	RC4558 Dual Opamp	1	U1	DIP-8
14	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
	INDUCTOR			
15	Ferrite Bead - 0.45uH 7A	2	L301, L302	AXIAL-0.3
	RESISTOR			
16	Do Not Fit	2	R211, R213	-
17	100R 1% 0.5W Metal Film	1	R118	AXIAL-0.4
18	1K0 1% 0.5W Metal Film	2	R205, R209	AXIAL-0.4
19	1K5 1% 0.5W Metal Film	1	R117	AXIAL-0.4
20	2K2 1% 0.5W Metal Film	3	R114, R115, R204	AXIAL-0.4
21	8K2 1% 0.5W Metal Film	1	R113	AXIAL-0.4

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Upper TG [CGS509 - Dual Transient Generator Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C102, C103	RAD-0.2N
2	1nF 63V Polyester	1	C101	RAD-0.2
3	22nF 63V Polyester	1	C104	RAD-0.2
4	100nF Ceramic	5	C403, C404, C405, C406, C407	RAD-0.2N
5	10uF 35V Electrolytic	2	C401, C402	RB-D5.0-P2.0
	CONNECTOR			
6	KK396 - 4-way Straight - Locking Header	1	J401	-
7	KK396 - 4-way Crimp Housing	1	J401	3.96MM
8	14-pin IC Socket 0.3inch	2	Q102, U101	DIP-14
9	8-pin IC Socket 0.3inch	2	U102, U201	DIP-8
10	1x4 Pin 9mm Header	1	J402	2.54MM
11	CRIMP - KK396	3	J401^3	-
	DIODE			
12	1N4148	4	D101, D102, D103, D302	DIODE-0.3
13	5.6V 5% 500mW	1	D301	DIODE-0.3
	LINEAR			
14	LF353 - Dual JFET Opamp	1	U102	DIP-8
15	RC4558 Dual Opamp	1	U201	DIP-8
16	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
	INDUCTOR			
17	Ferrite Bead - 0.45uH 7A	2	L401, L402	AXIAL-0.3
	RESISTOR			
18	Do Not Fit	2	R310, R312	-
19	100R 1% 0.5W Metal Film	1	R118	AXIAL-0.4
20	1K0 1% 0.5W Metal Film	2	R304, R308	AXIAL-0.4
21	1K5 1% 0.5W Metal Film	1	R117	AXIAL-0.4

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Upper TG [CGS509 - Dual Transient Generator Component Kit]

Item	Description	Qty	Designator	Package
	RESISTOR - continued			
22	2K2 1% 0.5W Metal Film	3	R114, R115, R303	AXIAL-0.4
23	8K2 1% 0.5W Metal Film	1	R113	AXIAL-0.4
24	33K 1% 0.5W Metal Film	3	R103, R206, R207	AXIAL-0.4
25	47K 1% 0.5W Metal Film	2	R208, R209	AXIAL-0.4
26	68K 1% 0.5W Metal Film	1	R111	AXIAL-0.4
27	82K 1% 0.5W Metal Film	3	R116, R201, R210	AXIAL-0.4
28	100K 1% 0.5W Metal Film	6	R101, R102, R107, R108, R309, R311	AXIAL-0.4
29	150K 1% 0.5W Metal Film	1	R307	AXIAL-0.4
30	220K 1% 0.5W Metal Film	4	R106, R110, R112, R119	AXIAL-0.4
31	330K 1% 0.5W Metal Film	1	R301	AXIAL-0.4
32	470K 1% 0.5W Metal Film	1	R204	AXIAL-0.4
33	820K 1% 0.5W Metal Film	3	R104, R105, R203	AXIAL-0.4
34	1M0 1% 0.5W Metal Film	4	R202, R205, R305, R306	AXIAL-0.4
35	10M 1% 0.5W Metal Film	2	R109, R302	AXIAL-0.4
	TRANSISTOR			
36	2N3904 NPN Transistor	1	Q301	TO-92
37	2N3906 PNP Transistor	1	Q101	TO-92
38	THAT 340 - Dual NPN - Dual PNP Array	1	Q102	DIP-14
	TRIMPOT			
39	Do Not Fit	1	P301	-
40	100K 20TV Cermet	1	P101	T93YA
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