

Bill of Materials for CGS514 - DUSG Component Kit V2.0
Lower USG [CGS514 - DUSG 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	8-pin IC Socket 0.3inch	2	U1, U102	DIP-8
7	14-pin IC Socket 0.3inch	2	Q104, U101	DIP-14
8	1x4 Pin Receptacle	1	J302	2212S
9	Do Not Fit	1	J301	-
	DIODE			
10	5.6V 5% 500mW	1	D201	DIODE-0.3
11	1N4148	4	D101, D102, D103, D202	DIODE-0.3
	LINEAR			
12	RC4558 Dual Opamp	1	U1	DIP-8
13	LF353 - Dual JFET Opamp	1	U102	DIP-8
14	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
	INDUCTOR			
15	Ferrite Bead - 5A	2	L301, L302	AXIAL-0.3
	RESISTOR			
16	100R 1% 0.5W Metal Film	1	R118	AXIAL-0.4
17	330R 1% 0.5W Metal Film	1	R213	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 USG [CGS514 - DUSG 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	3-way 0.1inch Crimp Housing	1	J401	2.54MM
7	CRIMP - KK254	3	J401^3	-
8	3-way 0.1inch Straight Header	1	J401	2.54MM
9	8-pin IC Socket 0.3inch	2	U102, U201	DIP-8
10	14-pin IC Socket 0.3inch	2	Q102, U101	DIP-14
11	1x4 Pin 9mm Header	1	J402	2.54MM
	DIODE			
12	5.6V 5% 500mW	1	D301	DIODE-0.3
13	1N4148	4	D101, D102, D103, D302	DIODE-0.3
	LINEAR			
14	RC4558 Dual Opamp	1	U201	DIP-8
15	LF353 - Dual JFET Opamp	1	U102	DIP-8
16	LM3900 - Quad Norton Amplifier	1	U101	DIP-14
	INDUCTOR			
17	Ferrite Bead - 5A	2	L401, L402	AXIAL-0.3
	RESISTOR			
18	100R 1% 0.5W Metal Film	1	R118	AXIAL-0.4
19	330R 1% 0.5W Metal Film	1	R312	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 USG [CGS514 - DUSG 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	360K 1% 0.5W Metal Film	1	R310	AXIAL-0.4
33	470K 1% 0.5W Metal Film	1	R204	AXIAL-0.4
34	820K 1% 0.5W Metal Film	3	R104, R105, R203	AXIAL-0.4
35	1M0 1% 0.5W Metal Film	4	R202, R205, R305, R306	AXIAL-0.4
36	10M 1% 0.5W Metal Film	2	R109, R302	AXIAL-0.4
	TRANSISTOR			
37	2N3904 NPN Transistor	1	Q301	TO-92
38	2N3906 PNP Transistor	1	Q101	TO-92
39	THAT 340 - Dual NPN - Dual PNP Array	1	Q102	DIP-14
	TRIMPOT			
40	100K MTV Cermet	1	P101	T93YA
41	200K MTV Cermet	1	P301	T93YA
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