

Bill of Materials for CGS522 - Resonant Equalizer Component Kit V2.1

Main [CGS522 - Resonant Equalizer Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	220pF 2.5% Polystyrene	4	C118, C119, C120, C121	AXIAL-0.4W
2	680pF 2.5% Polystyrene	2	C116, C117	AXIAL-0.4
3	1nF 63V Polyester	2	C114, C115	RAD-0.2
4	2.2nF 63V Polyester	2	C112, C113	RAD-0.2
5	4n7 63V Polyester	4	C108, C109, C110, C111	RAD-0.2
6	10nF 63V Polyester	2	C106, C107	RAD-0.2
7	22nF 63V Polyester	2	C104, C105	RAD-0.2
8	47nF 63V Polyseter	2	C102, C103	RAD-0.2
9	100nF Ceramic	18	C127, C128, C129, C130, C131, C132, C133, C134, C135, C136, C137, C138,	RAD-0.2N
			C139, C140, C141, C142, C143, C144	
	CONNECTOR			
10	8-pin IC Socket 0.3inch	10	U102, U103, U104, U105, U106, U107, U108, U109, U110, U111	DIP-8
11	1x6 Pin Extended Receptacle	1	J2	-
12	1x2 Pin Extended Receptacle	2	J7, J8	-
13	1x3 Pin Extended Receptacle	1	J6	2.54MM
	LINEAR			
14	TL071 JFET Opamp	7	U102, U103, U104, U105, U106, U107, U108	DIP-8
15	TL072 Dual JFET Opamp	3	U109, U110, U111	DIP-8
	RESISTOR			
16	10K 1% 0.5W Metal Film	3	R137, R142, R147	AXIAL-0.4
17	15K4 1% 0.5W Metal Film	1	R146	AXIAL-0.4
18	16K5 1% 0.5W Metal Film	2	R136, R141	AXIAL-0.4
19	22K 1% 0.5W Metal Film	2	R123, R148	AXIAL-0.4
20	24K 1% 0.5W Metal Film	1	R127	AXIAL-0.4
21	27K 1% 0.5W Metal Film	1	R131	AXIAL-0.4
22	30K 1% 0.5W Metal Film	1	R111	AXIAL-0.4
23	33K 1% 0.5W Metal Film	2	R138, R143	AXIAL-0.4
24	36K 1% 0.5W Metal Film	2	R115, R122	AXIAL-0.4

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Support [CGS522 - Resonant Equalizer Component Kit]

Item	Description	Qty	Designator	Package
	CAPACITOR			
1	47pF 5% Ceramic	2	C3, C4	RAD-0.2N
2	100nF Ceramic	4	C7, C8, C9, C10	RAD-0.2N
3	4.7uF 25V Electrolytic	2	C1, C2	RB-D5.0-P2.0
4	10uF 35V Electrolytic	2	C5, C6	RB-D5.0-P2.0
	CONNECTOR			
5	3-way 0.1inch Straight Header	1	J3	2.54MM
6	3-way 0.1inch Crimp Housing	1	J3	2.54MM
7	CRIMP - KK254	3	J3^3	-
8	14-pin IC Socket 0.3inch	2	U1, U2	DIP-14
9	1x3 Pin 9mm Header	1	J4	2.54MM
10	1x2 Pin 9mm Header	2	J2, J5	2.54MM
11	1x6 Pin 9mm Header	1	J1	2.54MM
	HARDWARE			
12	M3 x 12mm Nylon Spacer Threaded	2	MH1, MH2	-
13	M3 x 6mm Bolt PH	2	MH1, MH2	-
	LINEAR			
14	TL074 Quad JFET Opamp	2	U1, U2	DIP-14
	INDUCTOR			
15	Ferrite Bead - 5A	2	L1, L2	AXIAL-0.3
	RESISTOR			
16	330R 1% 0.5W Metal Film	3	R3, R7, R10	AXIAL-0.4
17	3K3 1% 0.5W Metal Film	1	R11	AXIAL-0.4
18	4K7 1% 0.5W Metal Film	2	R8, R9	AXIAL-0.4
19	47K 1% 0.5W Metal Film	5	R1, R2, R4, R5, R6	AXIAL-0.4
20	470K 1% 0.5W Metal Film	1	R12	AXIAL-0.4
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