

Bill of Materials for CGS367 - Active Ring Modulator Component Kit V2.0  
**CGS367 [CGS367 - Active Ring Modulator Component Kit]**

Item	Description	Qty	Designator	Package
<b>CAPACITOR</b>				
1	10pF 5% Ceramic	1	C3	RAD-0.2N
2	47pF 5% Ceramic	5	C1, C4, C6, C7, C8	RAD-0.2N
3	100nF Ceramic	6	C303, C304, C305, C306, C307, C308	RAD-0.2N
4	10uF 35V Electrolytic	4	C2, C5, C301, C302 NB: 5mm x 11mm	RB-D5.0-P2.0
<b>CONNECTOR</b>				
5	8-pin IC Socket 0.3inch	3	U1, U2, U3	DIP-8
6	3-way 0.1inch Straight Header	1	J301	2.54MM
7	CRIMP - KK254	3	J301^3 NB: 22-30AWG Insulation = 1.57mm	-
8	3-way 0.1inch Crimp Housing	1	J301	2.54MM
<b>HARDWARE</b>				
9	M2.5 x 6mm Pan Head Bolt	8	MO1^8	-
10	M2.5 x 12mm Spacer Threaded	4	MO1^4	-
<b>LINEAR</b>				
11	TL072 Dual JFET Opamp	1	U3	DIP-8
12	TL071 JFET Opamp	1	U1	DIP-8
13	NE5532 - Dual Low-Noise Opamp	1	U2	DIP-8
<b>INDUCTOR</b>				
14	Ferrite Bead - 5A	2	L301, L302	AXIAL-0.3
<b>RESISTOR</b>				
15	330R 1% 0.5W Metal Film	3	R7, R12, R18	AXIAL-0.4
16	1K0 1% 0.5W Metal Film	1	R2	AXIAL-0.4
17	10K 1% 0.5W Metal Film	1	R5	AXIAL-0.4
18	33K 1% 0.5W Metal Film	1	R17	AXIAL-0.4
19	100K 1% 0.5W Metal Film	8	R1, R6, R8, R10, R13, R14, R15, R16	AXIAL-0.4
20	150K 1% 0.5W Metal Film	1	R4	AXIAL-0.4
21	330K 1% 0.5W Metal Film	1	R11	AXIAL-0.4



