To : Gen Pack
Purpose : CS-45 Amplifier
Range : FM Bands
Date : April 17/09
From : Allan McGuirl Jr
P.O. :
Ship :

Instructions :

CS50_2.1

List #	Part	Package	Value	Type	Library	Position (mm)	Orientation
1	R2E	R0603	0	SM	rcl	(104.2987 43.0212)	MR90
2	R1E	R0603	10	SM	rcl	(96.2025 45.8788)	MR0
3	R50	R0603	10	SM	rcl	(15.875 17.78)	MR0
4	R51	R0603	10	SM	rcl	(19.05 17.78)	MR180
5	R52	R0603	10	SM	rcl	(15.875 5.3975)	MR0
6	R53	R0603	10	SM	rcl	(19.05 5.3975)	MR180
7	R54	R0603	10	SM	rcl	(31.4325 23.495)	MR90
8	R55	R0603	10	SM	rcl	(32.0675 9.525)	MR270
9	R56	R0603	10	SM	rcl	(38.735 24.4475)	MR180
10	R57	R0603	10	SM	rcl	(38.735 12.7)	MR180
11	R5E	R0603	51	SM	rcl	(93.345 25.4)	MR0
12	R13E	R0402	470	SM	rcl	(104.6164 37.7824)	MR180
13	R24E	R0402	470	SM	rcl	(105.8863 35.2424)	MR180
14	R43	R0603	470	SM	rcl	(40.64 30.48)	MR0
15	R44	R0603	470	SM	rcl	(26.67 30.48)	MR180
16	C41	C0805	.1uF	SM	rcl	(58.42 24.13)	MR180
17	C44	C0805	.1uF	SM	rcl	(29.845 32.7025)	MR180
18	C51	C0805	.1uF	SM	rcl	(38.735 22.225)	MR0
19	C52	C0805	.1uF	SM	rcl	(27.94 18.415)	MR90
20	C53	C0805	.1uF	SM	rcl	(27.94 13.97)	MR270
21	C211	C0805	.1uF	SM	rcl	(93.98 58.1025)	MR90
22	C212	C0805	.1uF	SM	rcl	(104.4575 62.23)	MR0
23	C213	C0805	.1uF	SM	rcl	(104.4575 56.8325)	MR0
24	C215	C0805	.1uF	SM	rcl	(69.85 49.53)	MR180
25	C217	C0805	.1uF	SM	rcl	(91.44 50.8)	MR90
26	C5E	C0402	0.1pF	SM	rcl	(101.2825 39.8463)	MR270
27	C207	C0805	0.1pF	SM	rcl	(93.98 64.135)	MR0
28	C1E	C0402	0.1uF	SM	rcl	(95.5675 36.5125)	MR180
29	C3E	C0402	0.1uF	SM	rcl	(97.7899 39.8463)	MR90
30	C17E	C0805	100pF	SM	rcl	(94.615 50.8)	MR270
31	C19E	C0805	100pF	SM	rcl	(105.41 50.8)	MR270
32	C40	C0805	100pF	SM	rcl	(63.8175 24.13)	MR0
33	C50	C0805	100pF	SM	rcl	(38.735 19.685)	MR0
34	C204	C0805	100pF	SM	rcl	(90.805 67.31)	MR270
35	C205	C0805	100pF	SM	rcl	(100.33 66.3575)	MR180
36	C208	C0805	100pF	SM	rcl	(104.4575 59.3725)	MR0
37	C209	C0805	100pF	SM	rcl	(104.4575 64.77)	MR0
38	C210	C0805	100pF	SM	rcl	(91.7575 58.1025)	MR90
39	C214	C0805	100pF	SM	rcl	(69.85 52.07)	MR180
40	C216	C0805	100pF	SM	rcl	(88.265 50.8)	MR90
41	R41	R0603	10K	SM	rcl	(29.845 40.005)	MR0
42	R42	R0603	10K	SM	rcl	(29.845 34.925)	MR0
43	R201	R0805	10k	SM	rcl	(85.725 55.245)	MR270
44	R202	R0805	10k	SM	rcl	(88.265 55.245)	MR270
45	R203	R0805	10k	SM	rcl	(85.725 50.8)	MR90
46	C11E	C0402	10nF	SM	rcl	(104.775 32.3849)	MR0
47	C12E	C0402	10nF	SM	rcl	(99.695 31.9087)	MR90
48	C2E	C0402	10pF	SM	rcl	(95.5675 35.4013)	MR180
49	C4E	C0402	10pF	SM	rcl	(98.9013 39.8463)	MR90
50	C6E	C0402	10pF	SM	rcl	(102.5525 39.8463)	MR270
51	C16E	C0805	10pF	SM	rcl	(99.06 50.8)	MR90
52	C18E	C0805	10pF	SM	rcl	(101.6 50.8)	MR90
53	C206	C0805	10pF	SM	rcl	(93.98 61.9125)	MR0
54	C26E	SMC_A	10uF 6.3V Tant	SM	rcl	(100.9649 29.0511)	MR0
55	L20	805	120nH	SM	wuerth-elektronik	(100.4888 62.865)	MR180
56	L21	805	120nH	SM	wuerth-elektronik	(97.3138 63.1825)	MR270
57	R10E	R0603	13k w5.1k	SM	rcl	(100.0125 37.7826)	R0
58	R40	R0603	1K	SM	rcl	(85.725 10.16)	MR0
59	C9E	C0603	1nF	SM	rcl	(96.52 23.495)	MR90
60	C10E	C0603	1nF	SM	rcl	(96.52 26.67)	MR90
61	C202	C0805	1nF	SM	rcl	(88.5825 60.0075)	MR180
62	C203	C0805	1nF	SM	rcl	(90.805 63.1825)	MR270
63	C14E	C0805	2.7nF w1.5	SM	rcl	(96.2025 42.545)	MR90
64	C42	E3,5-8	220 uF Optional	TH	rcl	(46.0375 77.1525)	R0
65	C13E	C0805	270pF w120	SM	rcl	(94.9325 39.37)	MR0
66	L5E	805	330nH	SM	wuerth-elektronik	(97.79 48.26)	MR180
67	L6E	805	330nH	SM	wuerth-elektronik	(102.87 48.26)	MR0
68	X14	39-28-1043	39-28-1043	TH	molex	(10.795 48.26)	R0
69	R6E	R0603	4K7	SM	rcl	(101.4412 32.385)	MR90
70	C15E	C0805	68pF w47pF	SM	rcl	(105.0925 39.3699)	MR180
71	IC1	TO220V	78V	TH	linear	(17.145 80.645)	R0
72	R11E	R0805	8.2k w12k	SM	rcl	(93.98 42.5451)	MR270
73	U6	SOT-23	AD7415	SM	Enosh	(29.845 37.465)	MR90
74	U1	LFCSP24	ADF4360-8	SM	Galcom	(99.695 36.195)	MR270
75	U2	LFCSP24	ADL5330ACP	SM	Galcom	(99.06 58.7375)	MR90

76	X6	5566-24	ATX2.01_PWR_CON	TH	Enosh	(30.48 66.675)	R0
77	Q40	SOT23-BEC	BC850SMD	SM	transistor-npn	(75.565 64.135)	MR270
78	RF_IN	BNC_FEMALE_RIGHT_ANGLE	BNC-JR15X-50	TH	Galcom	(95.885 15.24)	R270
79	T2	BALUN_SMD	CX2147_BALUN	SM	Galcom	(95.885 70.8025)	MR0
80	L1	BS11	GaltronicsYellow	TH	inductor-neosid	(25.4 22.225)	R0
81	L2	BS11	GaltronicsYellow	TH	inductor-neosid	(25.4 10.16)	R0
82	U8	S08	LM358AX	SM	Enosh	(32.385 16.51)	MR0
83	U7	SO28W	MC68HC908QC16CD	SM	Galcom	(66.04 34.29)	MR90
84	U3	SO08	MCP4921	SM	Galcom	(76.2 53.34)	MR270
85	X1	MOLEX_MICROFIT_10PIN_43045-1018	MOLEX_MICROFIT_10PIN_43045-1018	TH	Galcom	(28.8925 50.8)	R0
86	X5	ZIF_CONNECTOR_8@1	PowerSwitchCon	TH	Galcom	(44.45 37.465)	R270
87	X12	PS2	PS2	TH	Enosh	(56.1975 9.8425)	R180
88	RELAY	RELAY_SMALL	TSC-105L3H	TH	Galcom	(75.8825 65.405)	R270
89	VR1	VOLUMEVR	VOLUMEVR	TH	Galcom	(9.525 22.86)	R270
90	VR2	VOLUMEVR	VOLUMEVR	TH	Galcom	(9.525 10.16)	R270
91	X15	WIRE2BOARD	WIRE2BOARD_PHX_1706714	TH	Galcom	(68.58 67.945)	R180
92	X3	ZIF_CONNECTOR_4	ZIF_CON_4	TH	Galcom	(24.765 33.655)	R90
93	X4	ZIF_CONNECTOR_4	ZIF_CON_4	TH	Galcom	(36.195 33.655)	R90
94	X11	ZIF_CONNECTOR_8@1	ZIF_CON_8	TH	Galcom	(5.715 15.24)	R90
95	D50	SOT23C	Diode	SM	semicon-smd-ipc	(34.6075 23.495)	MR90
96	D51	SOT23C	Diode	SM	semicon-smd-ipc	(35.2425 9.525)	MR90
97	JP1	2X02	Pin Header	TH	pinhead	(46.99 21.59)	R90
98	JP2	2X08	Pin Header	TH	pinhead	(55.88 55.245)	R180
99	JP6	2X03	Pin Header	TH	pinhead	(17.145 22.86)	R270
100	JP7	2X03	Pin Header	TH	pinhead	(17.145 10.16)	R270
101	L1E	0402	Chip Coil	SM	wuerth-elektronik	(103.505 36.6712)	MR180
102	L2E	0402	Chip Coil	SM	wuerth-elektronik	(103.505 34.4487)	MR270
103	LED1	CHIP-LED0805	Chip Led	SM	led	(84.455 13.97)	R180
104	RF_OUT	BU-SMA-V	Connector	TH	con-coax	(88.265 74.93)	R0