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**Component Outline
Main P.C. Board**

**MAIN P.C. BOARD
WIRING CHART**

PIN NO.	WIRING CONNECTIONS
1	yellow/white wire to PA jack
2	gray wire to CB/PA switch
3	brown wire to clarifier switch
4	no wire
5	to channel selector
6	to channel selector
7	no wire
8	to channel selector
9	to channel selector
10	no wire
11	no wire
12	no pin
13	one orange wire to LSB/USB/AM switch
14	one orange wire to VR5
15	orange/white wire to RF gain
16	green wire to MIC jack
17	gray wire with green tip and white wire - white portion to NB switch
18	white wire to LSB/USB/AM switch
19	brwn wire to LSB/USB/AM switch
20	no wire
21	purple wire to LSB/USB/AM switch
22	blue wire to RF gain switch
23	purple wire to EXT SP jack
24	green wire to speaker
25	gray wire with brown tip and white wire - white portion to ON/OFF switch
26	gray wire with brown tip - brown tip to ON/OFF switch, gray wire with white tip - white tip to MIC jack
27	white wire to CB/PA switch gray wire with white tip and white wire - white wire to MIC jack
28	purple wire to squelch switch
29	pink wire to squelch switch
30	blue/white wire to LSB/USB/AM switch
31	coiled wire to ANT jack
32	orange/white wire to meter
33	no wire
34	gray wire with blue tip and white wire - white portion to ON/OFF switch
35	gray wire with blue tip - blue tip to ON/OFF switch
36	no wire
37	no pin
38	one pink wire to PA jack
39	yellow wire to VR5
40	red wire to ON/OFF switch
41	green wire to LSB/USB/AM switch
42	black wire to DC power jack
43	red wire to DC power jack
44	orange wire to ON/OFF switch
45	no wire
46	no wire
47	pink wire to pin 38
48	no wire
49	no wire
50	brown/white wire to RF gain switch
X	blue wire to R41
G1	no wire
G2	one black wire to clarifier switch one black wire to pin 2 on switch p.c. board

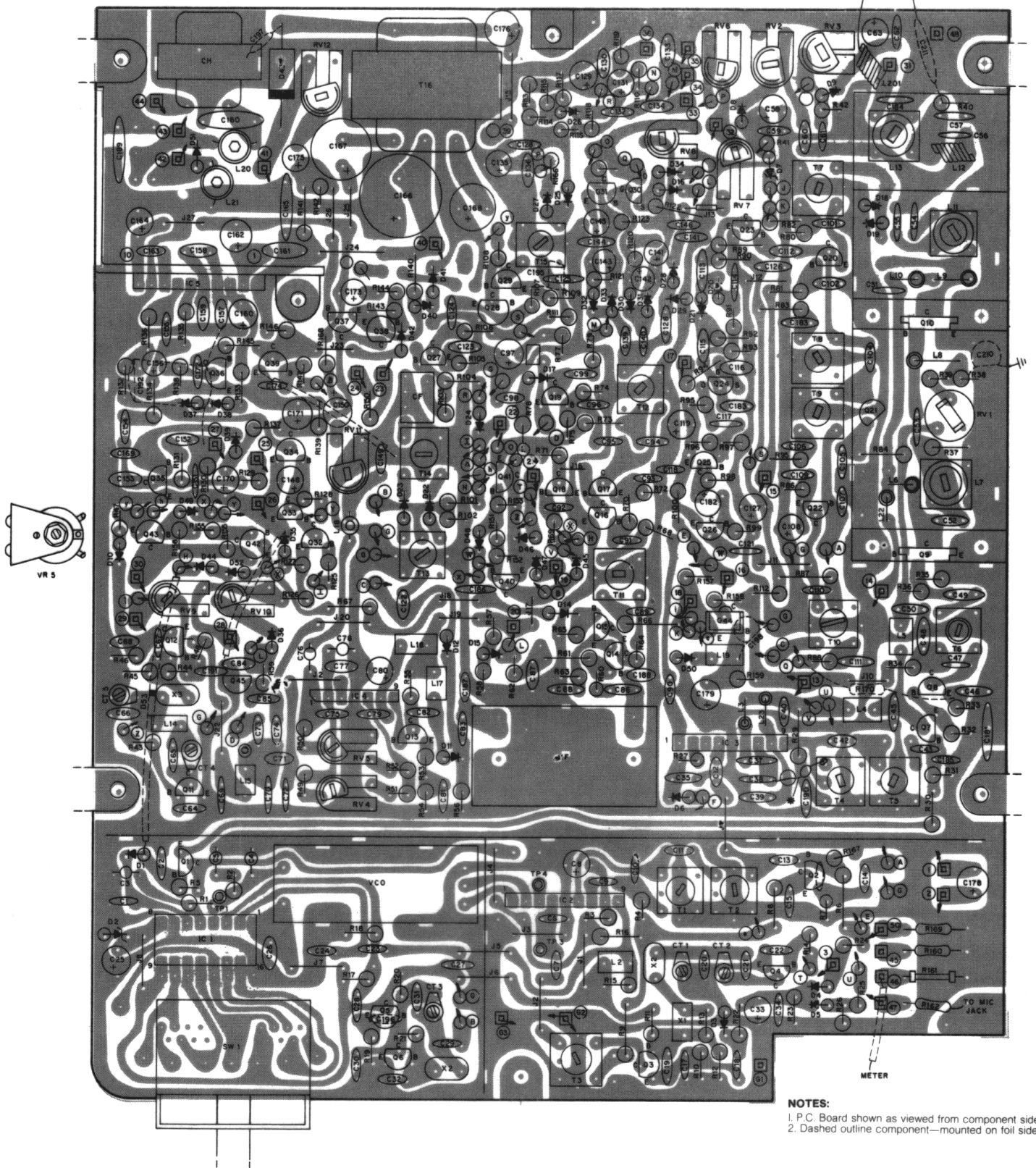


Figure 4-1. Component Outline Main P.C. Board, Model 2705



**Component Outline
L.E.D. P.C. Board**

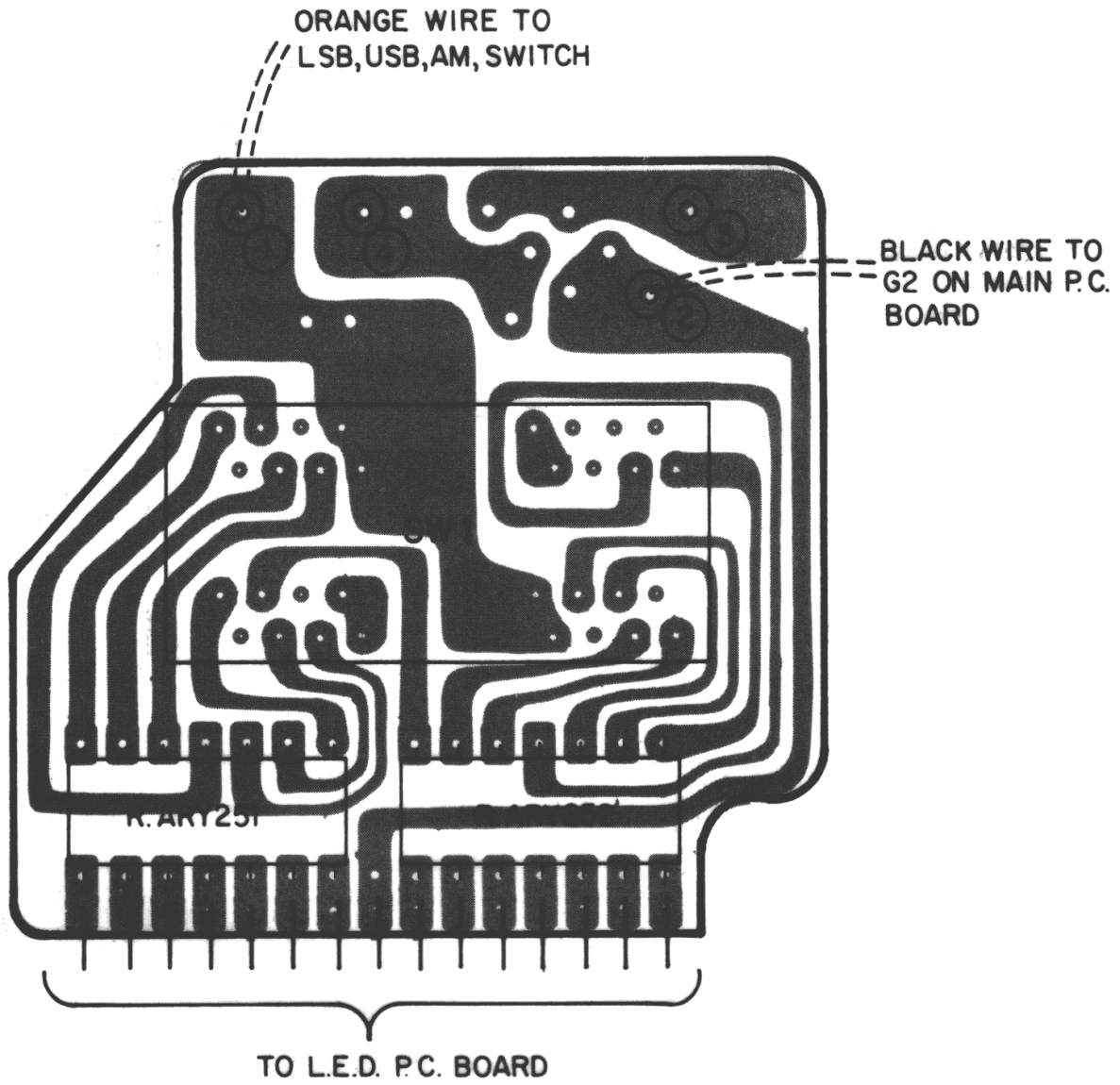


Figure 4-2. Component Outline LED P.C. Board, Model 2705



**Component Outline
Switch P.C. Board**

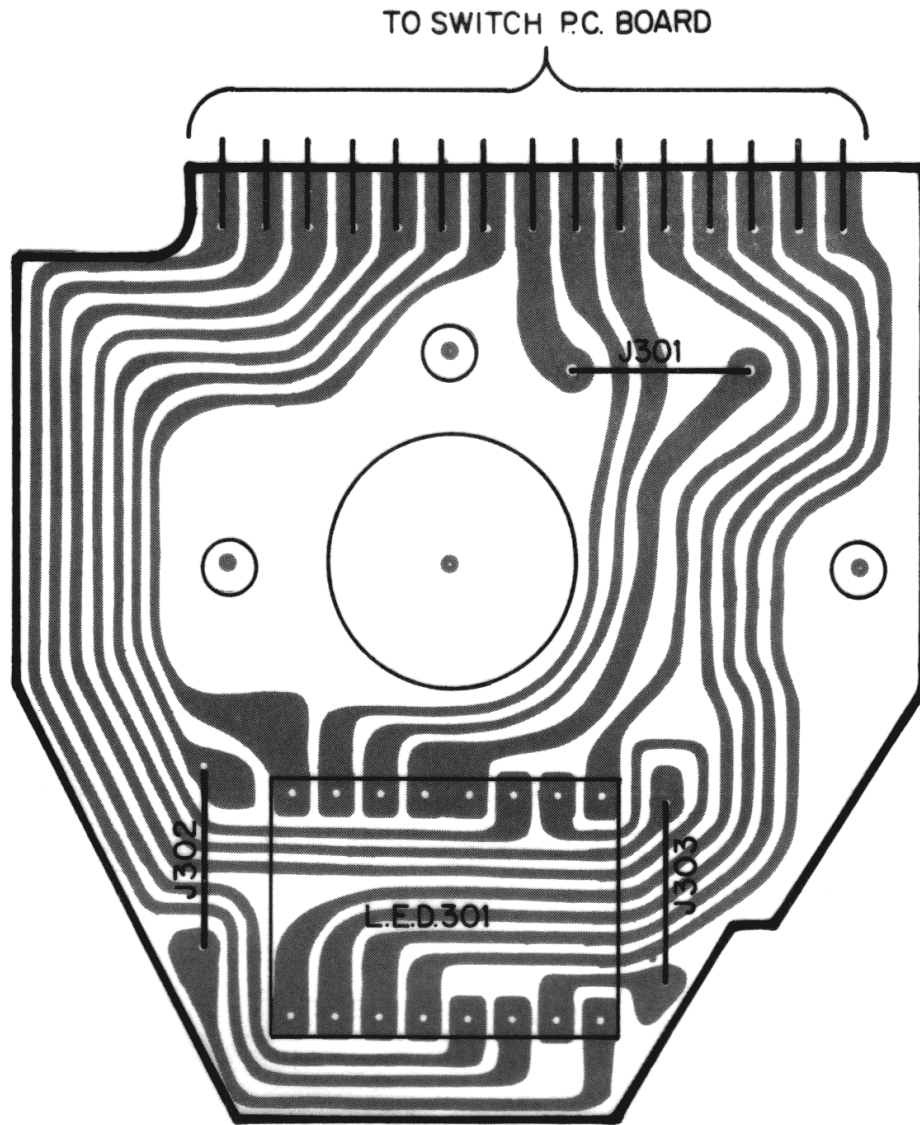


Figure 4-3. Component Outline Switch P.C. Board, Model 2705

Parts List

MAIN P.C. BOARD

Reference Designator	Description	Part No.
	main p.c. board, complete	AP-TBM048CA
	main p.c. board, plate and drilled	PT-BM048AOX
C1	4700pF, 50V, mylar	CQ-MB472KCH
C2	.022uF, 50V, mylar	CQ-MB223KCH
C3	.1uF, 35V, tantalum	CS-SF0R1MLC
C4	.22uF, 35V, tantalum	CS-SFR22MLC
C5	10uF, 16V, tantalum	CS-SD100MLC
C6	33pF, 50V, ceramic	CC-CB330KPM
C7	12pF, 50V, ceramic	CC-CB120KPM
C8	1uF, 50V, electrolytic	CE-EG010ALN
C9	1000pF, 50V, mylar	CQ-MB102KCH
C10	1200F, 50V, mylar	CQ-MB122KCH
C11	2pF, 50V, ceramic	CC-CB020CPM
C12	33pF, 50V, ceramic	CC-CB330KPM
C13	33pF, 50V, ceramic	CC-CB330KPM
C14	10pF, 50V, ceramic	CC-CB100DPM
C15	.01uF, 50V, mylar	CQ-MB103KCH
C16	.01uF, 50V, mylar	CQ-MB103KCH
C17	33pF, 50V, ceramic	CC-CB330KPM
C18	1000pF, 50V, mylar	CQ-MB102KCH
C19	220pF, 50V, ceramic	CC-CB221KPM
C20	22pF, 50V, ceramic	CC-CB220KCM
C21	15pF, 50V, ceramic	CC-CB150KCM
C22	.01uF, 50V, mylar	CQ-MB103KCH
C23	1000pF, 50V, mylar	CQ-MB102KCH
C24	68pF, 50V, ceramic	CC-CB680KPM
C25	47uF, 6.3V, electrolytic	CE-EB470ALN
C26	.047uF, 50V, mylar	CQ-MB473KCH
C27	.01uF, 50V, mylar	CQ-MB103KCH
C28	1000pF, 50V, mylar	CQ-MB102KCH
C29	5pF, 50V, mylar	CC-CB050DPM
C30	68pF, 50V, mylar	CC-CB680KPM
C31	27pF, 50V, mylar	CC-CB270KCM
C32	560pF, 50V, mylar	CC-CB561KOM
C33	1uF, 50V, electrolytic	CE-EG010ALN
C34	.01uF, 50V, mylar	CQ-MB103KCH
C35	.01uF, 50V, mylar	CQ-MB103KCH
C36	150pF, 50V, ceramic	CC-CB151KPM
C37	82pF, 50V, ceramic	CC-CB820KPM
C38	120pF, 50V, ceramic	CC-CB121KPM
C39	.01uF, 50V, mylar	CQ-MB103KCH
C40	.01uF, 50V, mylar	CQ-MB103KCH
C41	(not used)	
C42	3pF, 50V, ceramic	CC-CB030CPM
C43	47pF, 50V, ceramic	CC-CB470KPM
C44	(not used)	
C45	.01uF, 50V, mylar	CQ-MB103KCH
C46	.01uF, 50V, mylar	CQ-MB103KCH
C47	47pF, 50V, ceramic	CC-CB470KPM
C48	.01uF, 50V, mylar	CQ-MB103KCH
C49	330pF, 50V, ceramic	CC-CB331KOK
C50	.01uF, 50V, mylar	CQ-MB103KCH
C51	.047uF, 50V, mylar	CQ-MB473KCH
C52	82pF, 50V, ceramic	CC-CB820KPM
C53	180pF, 50V, ceramic	CC-CB181KPM
C54	150pF, 50V, ceramic	CC-CB151KPM
C55	560pF, 50V, ceramic	CC-CB561KOK
C56	47pF, 50V, ceramic	CC-CB470KPM
C57	470pF, 50V, ceramic	CC-CB471KOK
C58	.22uF, 35V, tantalum	CS-SFR22MLC
C59	.01uF, 50V, mylar	CQ-MB103KCH
C60	5pF, 50V, ceramic	CC-CB050DPM

Reference Designator	Description	Part No.
C61	2pF, 50V, ceramic	CC-CB020KPM
C62	.01uF, 50V, mylar	CQ-MB103KCH
C63	1uF, 50V, electrolytic	CE-EG010ALN
C64	.01uF, 50V, mylar	CQ-MB103KCH
C65	47pF, 50V, ceramic	CC-CB470KCM
C66	10pF, 50V, ceramic	CC-CB100DCM
C67	1000pF, 50V, mylar	CQ-MB102KCH
C68	22pF, 50V, ceramic	CC-CB220KPM
C69	220pF, 50V, ceramic	CC-CB221KPM
C70	220pF, 50V, ceramic	CC-CB221KPM
C71	8pF, 50V, ceramic	CC-CB080DPM
C72	100pF, 50V, ceramic	CC-CB101KPM
C73	15pF, 50V, ceramic	CC-CB150KPM
C74	22pF, 50V, ceramic	CC-CB220KPM
C75	.01uF, 50V, mylar	CQ-MB103KCH
C76	4.7uF, 25V, electrolytic	CE-EE4R7ALN
C77	.01uF, 50V, mylar	CQ-MB103KCH
C78	10uF, 16V, electrolytic	CE-ED100ALN
C79	.01uF, 50V, mylar	CQ-MB103KCH
C80	10uF, 16V, electrolytic	CE-ED100ALN
C81	.01uF, 50V, mylar	CQ-MB103KCH
C82	.01uF, 50V, mylar	CQ-MB103KCH
C83	.01uF, 50V, mylar	CQ-MB130KCH
C84	.01uF, 50V, mylar	CQ-MB103KCH
C85	.01uF, 50V, mylar	CQ-MB103KCH
C86	.01uF, 50V, mylar	CQ-MB103KCH
C87	.22uF, 35V, tantalum	CS-SFR22MLC
C88	.01uF, 50V, mylar	CQ-MB103KCH
C89	.01uF, 50V, mylar	CQ-MB103KCH
C90	.01uF, 50V, mylar	CQ-MB103KCH
C91	.01uF, 50V, mylar	CQ-MB103KCH
C92	.01uF, 50V, mylar	CQ-MB103KCH
C93	.01uF, 50V, mylar	CQ-MB103KCH
C94	.01uF, 50V, mylar	CQ-MB103KCH
C95	.01uF, 50V, ceramic	CC-CB030CPM
C96	33pF, 50V, ceramic	CC-CB330KPM
C97	33uF, 6.3V, electrolytic	CE-EB330ALN
C98	1000pF, 50V, mylar	CQ-MB102KCH
C99	.01uF, 50V, mylar	CQ-MB103KCH
C100	33pF, 50V, ceramic	CC-CB330KPM
C101	.01uF, 50V, mylar	CQ-MB103KCH
C102	.01uF, 50V, mylar	CQ-MB103KCH
C103	.01uF, 50V, mylar	CQ-MB103KCH
C104	3pF, 50V, ceramic	CC-CB030CPM
C105	.01uF, 50V, mylar	CQ-MB103KCH
C106	.01uF, 50V, mylar	CQ-MB103KCH
C107	39pF, 50V, ceramic	CC-CB390KPM
C108	1uF, 50V, electrolytic	CE-EG010ALN
C109	.01uF, 50V, mylar	CQ-MB103KCH
C110	.01uF, 50V, mylar	CQ-MB103KCH
C111	.01uF, 50V, mylar	CQ-MB103KCH
C112	5pF, 50V, ceramic	CC-CB050DPM
C113	220pF, 50V, ceramic	CC-CB221KPM
C114	4700pF, 50V, mylar	CQ-MB472KCH
C115	1000pF, 50V, mylar	CQ-MB102KCH
C116	.033uF, 50V, mylar	CQ-MB333KCH
C117	4700pF, 50V, mylar	CQ-MB472KCH
C118	.01uF, 50V, mylar	CQ-MB103KCH
C119	10uF, 16V, electrolytic	CE-ED100ALN
C120	(not used)	
C121	1000F, 50V, mylar	CQ-MB102KCH
C122	27pF, 50V, ceramic	CC-CB270KPM
C123	.033uF, 50V, mylar	CQ-MB333KCH
C124	.01uF, 50V, mylar	CQ-MB103KCH
C125	.033uF, 50V, mylar	CQ-MB333KCH

**Reference
Designator**

Description

Part No.

C126	.01uF, 50V, mylar	CQ-MB103KCH
C127	10uF, 10V, electrolytic	CE-ED100ALN
C128	4700pF, 50V, mylar	CQ-MB472KCH
C129	3.3uF, 25V, electrolytic	CE-EE3R3ALN
C130	.033uF, 50V, mylar	CQ-MB333KCH
C131	4.7uF, 25V, electrolytic	CE-EE4R7ALN
C132	4700pF, 50V, mylar	CQ-MB472KCH
C133	220pF, 50V, ceramic	CC-CB221KOM
C134	8200pF, 50V, mylar	CQ-MB822KCH
C135	1uF, 50V, electrolytic	CE-EG010ALN
C136	.01uF, 50V, mylar	CQ-MB103KCH
C137	.01uF, 50V, mylar	CQ-MB103KCH
C138	100pF, 50V, ceramic	CC-CB101KPM
C139	22pF, 50V, ceramic	CC-CB220KPM
C140	5pF, 50V, ceramic	CC-CB050DPM
C141	1uF, 25V, tantalum	CS-SE010MLC
C142	.01uF, 50V, mylar	CQ-MB103KCH
C143	1uF, 25V, tantalum	CS-SE010MLC
C144	.01uF, 50V, mylar	CQ-MB103KCH
C145	10uF, 16V, electrolytic	CE-ED100ALN
C146	.01uF, 50V, mylar	CQ-MB103KCH
C147	(not used)	
C148	10uF, 16V, electrolytic	CE-ED100ALN
C149	.01uF, 50V, mylar	CQ-MB103KCH
C150	4.7uF, 25V, electrolytic	CE-EE4R7ALN
C151	2200pF, 50V, mylar	CQ-MB222KCH
C152	.022uF, 50V, mylar	CQ-MB223KCH
C153	220pF, 50V, ceramic	CC-CB221KOM
C154	.01uF, 50V, mylar	CQ-MB103KCH
C155	2200pF, 50V, mylar	CQ-MB222KCH
C156	3.9uF, 10V, tantalum	CS-SC3R9LMC
C157	68pF, 50V, ceramic	CC-CB680KOM
C158	150pF, 50V, ceramic	CC-CB151KOM
C159	68pF, 50V, ceramic	CC-CB680KOM
C160	33uF, 6.3V, electrolytic	CE-EB330ALN
C161	.068uF, 50V, mylar	CQ-MB683KCH
C162	47uF, 16V, electrolytic	CE-ED470ALN
C163	100pF, 50V, ceramic	CC-CB101KOM
C164	1uF, 50V, electrolytic	CE-EG010ALN
C165	.047uF, 50V, ceramic	CK-CB473ZFM
C166	2200uF, 16V, electrolytic	CE-ED222AUN
C167	330uF, 16V, electrolytic	CE-ED331ALN
C168	100uF, 16V, electrolytic	CE-ED101ALN
C169	.01uF, 50V, mylar	CQ-MB103KCH
C170	10uF, 16V, electrolytic	CE-ED100ALN
C171	47uF, 6.3V, electrolytic	CE-EB470ALN
C172	.01uF, 50V, mylar	CQ-MB103KCH
C173	1uF, 50V, electrolytic	CE-EG010ALN
C174	.01uF, 50V, mylar	CQ-MB103KCH
C175	2.2uF, 25V, electrolytic	CE-EE2R2ALN
C176	47uF, 16V, electrolytic	CE-ED470ALN
C177	(not used)	
C178	33uF, 16V, electrolytic	CE-ED330ALN
C179	47uF, 16V, electrolytic	CE-ED470ALN
C180	.047uF, 50V, ceramic	CK-CB473ZFM
C181	.047uF, 50V, ceramic	CK-CB473ZFM
C182	.47uF, 50V, electrolytic	CE-EGR47ALN
C183	1000pF, 50V, mylar	CQ-MB102KCH
C184	270pF, 50V, ceramic	CC-CB271KOK
C185	39pF, 50V, ceramic	CC-CB390KPM
C186	220pF, 50V, ceramic	CC-CB221KPM
C187	18pF, 50V, ceramic	CC-CB180KPM
C188	18pF, 50V, ceramic	CC-CB180KPM
C189	.047uF, 50V, ceramic	CK-CB473ZFM
C190	.01uF, 50V, mylar	CQ-MB103KCH

Reference Designator	Description	Part No.
C191	.01uF, 50V, mylar	CQ-MB103KCH
C192	.047uF, 50V, mylar	CQ-MB473KCH
C193	(not used)	
C194	47pF, 50V, ceramic	CC-CB470KPM
CF	ceramic filter 455 kHz	FB-R455A13M
CH	choke coil	LJ-119H004W
CT1	20pF, trimmer	CT-Z7200H01
CT2	20pF, trimmer	CT-Z7200H01
CT3	20pF, trimmer	CT-Z7200H01
CT4	20pF, trimmer	CT-Z7200H01
CT5	20pF, trimmer	CT-Z7200H01
D1	MA150, silicon	QD-SMA150XN
D2	MZ205, zener	QD-ZMZ205XE
D3	ITT310, silicon	QD-CTT310XQ
D4	MA150, silicon	QD-SMA150XN
D5	MA150, silicon	QD-SMA150XN
D6	MA150, silicon	QD-SMA150XN
D7	MZ205, zener	QD-ZMZ205XE
D8	MA150, silicon	QD-SMA150XN
D9	1N60, germanium	QD-G1N20XXT
D10	MA150, silicon	QD-SMA150XN
D11	MA150, silicon	QD-SMA150XN
D12 through D13	(not used)	
D14	MA150, silicon	QD-SMA150XN
D15	MA150, silicon	QD-SMA150XN
D16	MA150, silicon	QD-SMA150XN
D17	MA150, silicon	QD-SMA150XN
D18	MA150, silicon	QD-SMA150XN
D19	MA150, silicon	QD-SMA150XN
D20	1N60, germanium	QD-G1N60XXT
D21	MA150, silicon	QD-SMA150XN
D22	MA150, silicon	QD-SMA150XN
D23	MA150, silicon	QD-SMA150XN
D24	1S32, germanium	QD-G1S32XXT
D25	1N60, germanium	QD-G1N60XXT
D26	MA150, silicon	QD-SMA150XN
D27	1N60, germanium	QD-G1N60XXT
D28	1N60, germanium	QD-G1N60XXT
D29	1N60, germanium	QD-G1N60XXT
D30	MA150, silicon	QD-SMA150XN
D31	1N60, germanium	QD-G1N60XXT
D32	MA150, silicon	QD-SMA150XN
D33	1N60, germanium	QD-G1N60XXT
D34	1S32, germanium	QD-G1S32XXT
D35	MA150, silicon	QD-SMA150XN
D36	MA150, silicon	QD-SMA150XN
D37	MA150, silicon	QD-SMA150XN
D38	MA150, silicon	QD-SMA150XN
D39	MA150, silicon	QD-SMA150XN
D40	MA150, silicon	QD-SMA150XN
D41	MA150, silicon	QD-SMA150XN
D42	MA150, silicon	QD-SMA150XN
D43	GP25G, germanium	QD-SGP25GAG
D44	MA150, silicon	QD-SMA150XN
D45	MA150, silicon	QD-SMA150XN
D46	MA150, silicon	QD-SMA150XN
D47	MA150, silicon	QD-SMA150XN
D48	MA150, silicon	QD-SMA150XN

Reference Designator	Description	Part No.
D49	MA150, silicon	QD-SMA150XN
D50	ITT310, silicon	QD-CTT310XQ
D51	1S1885, silicon	QD-SS1885XT
D52	MA150, silicon	QD-SMA150XN
IC1	PLL02A	QQ-OPLL02AN
IC2	C3001A (TA731OP)	QQ-MC3001AT
IC3	C3001A (TA731OP)	QQ-MC3001AT
IC4	AN612	QQ-MAN612AN
IC5	TA7205P	QQ-MO7205AT
L1	rf coil	LF-2RKD01N
L2	rf coil	LF-680KD01N
L3	rf coil	LD-ADA3538G
L4	rf coil	LF-2R2KD01N
L5	rf coil	LF-2R2KD01N
L6	rf coil	LD-ADA3038J
L7	rf coil	TR-10CZ003S
L8	rf coil	LD-ADB3524M
L9	rf coil	LD-ADB4024B
L10	rf coil	LD-ADB3524M
L11	rf coil	TR-10CZ005S
L12	rf coil	LA-1JG1004A
L13	rf coil	TR-10CZ004S
L14	rf coil	LF-4R7KD01N
L15	rf coil	LF-2R2KD01N
L16	rf coil	LF-1R0KD01N
L17	rf coil	LF-680KD01N
L18	rf coil	LF-102KB01S
L19	rf coil	LF-680KD01N
L20	rf coil	LB-BJE1008A
L21	rf coil	LB-BJE1008A
L22	rf coil	LD-ADB4024B
L23	rf coil	LD-ADB4024B
MXF	metal crystal filter 10.6935 MHz	FF-10R7S01G
Q1	2SC900 (F)	QT-C0900XBA
Q2	2SC710C	QT-C0710XAE
Q3	2SC710D	QT-C0710XBE
Q4	2SC710D	QT-C0710XBE
Q5	2SC710D	QT-C0710XBE
Q6	2SC710D	QT-C0710XBE
Q7	2SC710D	QT-C0710XBE
Q8	2SC460 (A)	QT-C0460XBB
Q9	2SC2166	QT-C2166XAE
Q10	2SC1969	QT-C1969XAE
Q11	2SC710D	QT-C0710XBE
Q12	2SC710D	QT-C0710XBE
Q13	2SC710C	QT-C0710XAE
Q14	2SC710C	QT-C0710XAE
Q15	2SC710C	QT-C0710XAE
Q16	2SC710C	QT-C0710XAW
Q17	2SC710C	QT-C0710XAE
Q18	2SC710D	QT-C0710XBE
Q19	2SC945 (A-Q)	QT-C0945ABA
Q20	2SC710C	QT-C0710XAE
Q21	2SC710D	QT-C0710XBE
Q22	2SC710C	QT-C0710XAE
Q23	2SC763D	QT-C0763XAE
Q24	2SK34 (C) or (D)	QT-K0034XAE
Q25	2SA733 (Q)	QT-A0733XAA

Reference Designator	Description	Part No.
Q26	2SC763D	QT-C0763XAE
Q27	2SC710C	QT-C0710XAE
Q28	2SC710C	QT-C0710XAE
Q29	2SC710D	QT-C0710XBE
Q30	2SK34	QT-K0034XBE
Q31	2SC945 (A-Q)	QT-C0945ABA
Q32	2SA733	Qt-A0733XAA
Q33	2SC945 (A-Q)	QT-C0945ABA
Q34	2SC945 (A-Q)	QT-C0945ABA
Q35	2SC900U	QT-C0900XCA
Q36	2SC945 (A-Q)	QT-C0945ABA
Q37	2SA719Q	QT-A0719XAN
Q38	2SA719Q	QT-A0719XAN
Q39	2SC945 (A-Q)	QT-C0945ABA
Q40	2SA683 (R)	QT-A0683XBN
Q41	2SC1383 (R)	QT-C1383ZDN
Q42	2SA683 (R)	QT-A0683XBN
Q43	2SC1383 (R)	QT-C1383XDN
Q44	2SC1847 (Q)	QT-C1847XAN
R1	3.3k, ¼W, carbon	RD-25VJ332N
R2	680, ¼W, carbon	RD-25VJ681N
R3	82, ¼W, carbon	RD-25VJ820N
R4	470, ¼W, carbon	RD-25VJ471N
R5	1M, ¼W, carbon	RD-25VJ104N
R6	15k, ¼W, carbon	RD-25VJ153N
R7	1.2k, ¼W, carbon	RD-25VJ122N
R8	100, ¼W, carbon	RD-25VJ101N
R9	100, ¼W, carbon	RD-25VJ101N
R10	560, ¼W, carbon	RD-25VJ561N
R11	5.6k, ¼W, carbon	RD-25VJ562N
R12	2.2k, ¼W, carbon	RD-25VJ222N
R13	1k, ¼W, carbon	RD-25VJ102N
R14	3.3k, ¼W, carbon	RD-25VJ332N
R15	2.2k, ¼W, carbon	RD-25VJ222N
R16	82, ¼W, carbon	RD-25VJ820N
R17	470k, ¼W, carbon	RD-25VJ474N
R18	470k, ¼W, carbon	RD-25VJ474N
R19	470, ¼W, carbon	RD-25VJ471N
R20	3.3k, ¼W, carbon	RD-25VJ332N
R21	100k, ¼W, carbon	RD-25VJ104N
R22	100k, ¼W, carbon	RD-25VJ104N
R23	33k, ¼W, carbon	RD-25VJ333N
R24	18k, ¼W, carbon	RD-25VJ183N
R25	18k, ¼W, carbon	RD-25VJ183N
R26	10k, ¼W, carbon	RD-25VJ103N
R27	1.5k, ¼W, carbon	RD-25VJ152N
R28	(not used)	
R29	100, ¼W, carbon	RD-25VJ101N
R30	8.2k, ¼W, carbon	RD-25VJ822N
R31	10k, ¼W, carbon	RD-25VJ103N
R32	220, ¼W, carbon	RD-25VJ221N
R33	68, ¼W, carbon	RD-25VJ680N
R34	10, ¼W, carbon	RD-25VJ100N
R35	33, ¼W, carbon	RD-25VJ330N
R36	270, ¼W, carbon	RD-25VJ271N
R37	560, ½ metal oxide film	RG-HANJ561N
R38	10, ¼W, carbon	RD-25VJ100N
R39	100, ¼W, carbon	RD-25VJ101N
R40	4.7k, ¼W, carbon	RD-25VJ472N
R41	100k, ¼W, carbon	RD-25VJ104N
R42	1.5k, ¼W, carbon	RD-25VJ152N
R43	3.3k, ¼W, carbon	RD-25VJ332N

Reference Designator	Description	Part No.
R44	18k, ¼W, carbon	RD-25VJ183N
R45	10k, ¼W, carbon	RD-25VJ103N
R46	560, ¼W, carbon	RD-25VJ561N
R47	1k, ¼W, carbon	RD-25VJ102N
R48	330, ¼W, carbon	RD-25VJ331N
R49	47k, ¼W, carbon	RD-25VJ473N
R50	100k, ¼W, carbon	RD-25VJ104N
R51	330, ¼W, carbon	RD-25VJ331N
R52	3.3k, ¼W, carbon	RD-25VJ332N
R53	120, ¼W, carbon	RD-25VJ121N
R54	1k, ¼W, carbon	RD-25VJ102N
R55	560, ¼W, carbon	RD-25VJ561N
R56	5.6k, ¼W, carbon	RD-25VJ562N
R57	12k, ¼W, carbon	RD-25VJ123N
R58	3.3k, ¼W, carbon	RD-25VJ332N
R59	3.3k, ¼W, carbon	RD-25VJ332N
R60	150, ¼W, carbon	RD-25VJ151N
R61	820, ¼W, carbon	RD-25VJ821N
R62	4.7k, ¼W, carbon	RD-25VJ472N
R63	560, ¼W, carbon	RD-25VJ561N
R64	220, ¼W, carbon	RD-25VJ221N
R65	4.7k, ¼W, carbon	RD-25VJ472N
R66	470, ¼W, carbon	RD-25VJ471N
R67	18k, ¼W, carbon	RD-25VJ183N
R68	100, ¼W, carbon	RD-25VJ101N
R69	3.3k, ¼W, carbon	RD-25VJ332N
R70	15k, ¼W, carbon	RD-25VJ153N
R71	1.5k, ¼W, carbon	RD-25VJ152N
R72	150, ¼W, carbon	RD-25VJ151N
R73	100, ¼W, carbon	RD-25VJ101N
R74	15k, ¼W, carbon	RD-25VJ153N
R75	100k, ¼W, carbon	RD-25VJ104N
R76	100, ¼W, carbon	RD-25VJ101N
R77	1k, ¼W, carbon	RD-25VJ102N
R78	4.7k, ¼W, carbon	RD-25VJ472N
R79	(not used)	
R80	1k, ¼W, carbon	RD-25VJ102N
R81	4.7k, ¼W, carbon	RD-25VJ472N
R82	47k, ¼W, carbon	RD-25VJ473N
R83	220, ¼W, carbon	RD-25VJ221N
R84	3.3k, ¼W, carbon	RD-25VJ332N
R85	4.7k, ¼W, carbon	RD-25VJ472N
R86	470, ¼W, carbon	RD-25VJ471N
R87	220, ¼W, carbon	RD-25VJ221N
R88	3.3k, ¼W, carbon	RD-25VJ332N
R89	100k, ¼W, carbon	RD-25VJ104N
R90	1k, ¼W, carbon	RD-25VJ102N
R91	470k, ¼W, carbon	RD-25VJ474N
R92	10k, ¼W, carbon	RD-25VJ103N
R93	1.5M, ¼W, carbon	RD-25VJ155N
R94	5.6k, ¼W, carbon	RD-25VJ562N
R95	5.6k, ¼W, carbon	RD-25VJ562N
R96	100k, ¼W, carbon	RD-25VJ104N
R97	1M, ¼W, carbon	RD-25VJ105N
R98	10k, ¼W, carbon	RD-25VJ103N
R99	5.6k, ¼W, carbon	RD-25VJ562N
R100	330, ¼W, carbon	RD-25VJ331N
R101	56k, ¼W, carbon	RD-25VJ563N
R102	5.6k, ¼W, carbon	RD-25VJ562N
R103	1k, ¼W, carbon	RD-25VJ102N
R104	47k, ¼W, carbon	RD-25VJ473N
R105	390, ¼W, carbon	RD-25VJ391N
R106	3.3k, ¼W, carbon	RD-25VJ332N
R107	39k, ¼W, carbon	RD-25VJ393N

Reference Designator	Description	Part No.
R108	10k, ¼W, carbon	RD-25VJ103N
R109	150, ¼W, carbon	RD-25VJ151N
R110	33k, ¼W, carbon	RD-25VJ333N
R111	47, ¼W, carbon	RD-25VJ470N
R112	47, ¼W, carbon	RD-25VJ470N
R113	22k, ¼W, carbon	RD-25VJ223N
R114	47k, ¼W, carbon	RD-25VJ473N
R115	270k, ¼W, carbon	RD-25VJ274N
R116	33k, ¼W, carbon	RD-25VJ333N
R117	68k, ¼W, carbon	RD-25VJ683N
R118	47k, ¼W, carbon	RD-25VJ473N
R119	(not used)	
R120	1k, ¼W, carbon	RD-25VJ102N
R121	1M, ¼W, carbon	RD-25VJ105N
R122	680, ¼W, carbon	RD-25VJ681N
R123	1k, ¼W, carbon	RD-25VJ102N
R124	10k, ¼W, carbon	RD-25VJ103N
R125	10k, ¼W, carbon	RD-25VJ103N
R126	2.2k, ¼W, carbon	RD-25VJ222N
R127	1k, ¼W, carbon	RD-25VJ102N
R128	22k, ¼W, carbon	RD-25VJ223N
R129	27k, ¼W, carbon	RD-25VJ273N
R130	5.6k, ¼W, carbon	RD-25VJ562N
R131	5.6k, ¼W, carbon	RD-25VJ562N
R132	10k, ¼W, carbon	RD-25VJ103N
R133	4.7k, ¼W, carbon	RD-25VJ472N
R134	560, ¼W, carbon	RD-25VJ561N
R135	820, ¼W, carbon	RD-25VJ821N
R136	47, ¼W, carbon	RD-25VJ470N
R137	1k, ¼W, carbon	RD-25VJ102N
R138	150, ¼W, carbon	RD-25VJ151N
R139	10k, ¼W, carbon	RD-25VJ103N
R140	1k, ¼W, carbon	RD-25VJ102N
R141	4.7k, ¼W, carbon	RD-25VJ472N
R142	2.2k, ¼W, carbon	RD-25VJ222N
R143	2.2k, ¼W, carbon	RD-25VJ222N
R144	4.7k, ¼W, carbon	RD-25VJ472N
R145	3.3k, ¼W, carbon	RD-25VJ332N
R146	1k, ¼W, carbon	RD-25VJ102N
R147	3.3k, ¼W, carbon	RD-25VJ332N
R148	(not used)	
R149	(not used)	
R150	18 ¼W metal oxide film	RX-2ANJ180B
R151	2.7k, ¼W, carbon	RD-25VJ272N
R152	2.7k, ¼W, carbon	RD-25VJ272N
R153	2.7k, ¼W, carbon	RD-25VJ272N
R154	2.7k, ¼W, carbon	RD-25VJ272N
R155	2.7k, ¼W, carbon	RD-25VJ272N
R156	2.7k, ¼W, carbon	RD-25VJ272N
R157	390 ½W metal oxide film	RG-HANJ391B
R158	10 2W metal oxide film	RX-2ANJ100B
R159	470 ¼W carbon	RD-25VJ471N
R160	270 ½W metal oxide film	RG-HANJ271N
R161	150 1W metal oxide film	RG-1ANJ151B
R162	270 ½W metal oxide film	RG-HANJ271B
R165	220k ¼W carbon	RD-25VJ224N
R166	1k, ¼W, carbon	RD-25VJ102N
R167	3.3k, ¼W, carbon	RD-25VJ332N
R168	5.6k, ¼W, carbon	RD-25VJ562N
R169	56K, ¼W, carbon	RD-25TJ563N
RV1	100, semi-fixed	RP-GNB10101

Reference Designator	Description	Part No.
RV2	.5k, semi-fixed	RP-GNB50201
RV3	20k, semi-fixed	RP-GNB20301
RV4	1k, semi-fixed	RP-GNB10201
RV5	10k, semi-fixed	RP-GNB10301
RV6	10k, semi-fixed	RP-GNB10301
RV7	10k, semi-fixed	RP-GNB10301
RV8	5k, semi-fixed	RP-GNB50201
RV9	20k, semi-fixed	RP-GNB20301
RV10	100k, semi-fixed	RP-GNB10401
RV11	500, semi-fixed	RP-GNB50101
RV12	2k, semi-fixed	RP-GNB20201
SW	rotary switch	SR-2040302
T1	rf transformer	TR-10MB003T
T2	rf transformer	TR-10MB005S
T3	if transformer	TR-10B002S
T4	rf transformer	TR-10CA006T
T5	rf transformer	TR-10CB003T
T6	rf transformer	TR-10CP006S
T7	rf transformer	TR-10MP003T
T8	rf transformer	TR-10CA006T
T9	rf transformer	TR-10CB001S
T10	if transformer	TR-10MA013S
T11	if transformer	TR-10MA015S
T12	if transformer	TR-10MA015S
T13	if transformer	TR-10MA014S
T14	if transformer	TR-10LA021S
T15	if transformer	TR-10LA022S
T16	audio transformer	TB-G28A004W
VCO	vco oscillator block	ZZ-Z0000017
X1	crystal oscillator, 10.0525	XA-S1C1001T
X2	crystal oscillator, 10.24	XA-S1B9001T
X3	crystal oscillator, 10.692	XA-Z1A8001T

Part No	Description	Qty
ML-565AD001	heat sink, TA7205P	1
MS-327AD004	heat sink, TA7205P	1
MQ-531AD001	heat sink, 2SC2166	1
MX-653AD001	heat sink, 2SC1969	1
BS-PB3006NN	screw, bind head, M3x6	6
BS-PP3006NT	screw, pan head, M3x6	3

LED P.C. Board

Reference Designator	Description	Part No.
	LED p.c. board, complete	AP-TLD010AA
	LED p.c. board, drilled and plated	PT-LD010COX
LED	SL122	QL-#SL1222C

SW P.C. Board

Reference Designator	Description	Part No.
	SW p.c. board, complete.....	AP-TSW020AA
	SW p.c. board, drilled and plated	PT-SW020COX
	1.8k, ¼w. x7. resistor array.....	ra-C182M07N

CHASSIS—MOUNTED COMPONENTS

Reference Designator	Description	Part No.
C201	39pF, 50V, ceramic	CC-DB390KPM
C202	.01uF, 50V, ceramic	CK-DB103PEM
C203	.01uF, 50V, ceramic	CK-DB103PEM
C204	.001uF, 50V, ceramic	CK-DB102PEM
C205	.0047uF, 50V, ceramic	CK-EB473ZFM
C206	.0047uF, 50V, ceramic	CK-EB473ZFM
C207	.01uF, 50V, ceramic	CK-DB103PEM
C208	.001uF, 50V, ceramic	CK-DB102PEM
C209	.01uF, 50V, ceramic	CK-DB103PEM
C210	.0047uF, 50V, ceramic	CK-EB473ZFM
C211	.0047uF, 50V, ceramic	CK-EB473ZFM
J1	jack, 2 pin, antenna	YJ-C02S009Z
J2	jack, 3 pin, pa	YJ-T03S003Z
J3	jack, 3 pin, external speaker	YJ-T03S003Z
J4	jack, 2 pin, dc	YJ-B02S001U
J5	jack, 5 pin din	YJ-D05S002Z
L201	rf coil	LA-2TG1503A
M/PL1	meter 500uA	ZM-J2030N04
SP	speaker	ZO-A0770802
S2	switch, rotary, function	SR-0303102E
S3	switch, toggle, cb pa	ST-020201AM
S4	switch, toggle, nb	ST-020201AM
VR1/S1	potentiometer, 50k (volume control w/power switch	RV-NB503A05
VR2	potentiometer, 50k, squelch	RV-NA503B08
VR3	potentiometer, 50k, rf gain	RV-NA503B08
VR4	potentiometer, 50k, clarifier	RV-NA503A06
VR5	control, 10, 10W, wire wound.....	RW-VA100B01

MECHANICAL PARTS

Part No.	Description	Qty
AC-DC035GEA	dc cord, power	1
MB-762SZ051	panel, front	1
MU-242SZ005	bracket, meter mount	1
ML-681SZ013	panel, right side	1
ML-332SZ008	bracket, power control	1
ML-681SZ012	panel, left side	1

MECHANICAL PARTS

Part No.	Description	Qty
MS-767SZ004	panel, rear	1
ML-122SZ004	bracket, L shaped, main p.c. board mount	1
AM-2705##01	escutcheon	1
VN-176SB007	knob, channel selector	1
VN-276SM001	knob	5
MU-874SM013	case, top	1
MU-874SM014	case, bottom	1
ML-121SZ007	bracket, speaker	1
BS-PB2608NB	screw, bind head, case M2.6x8	2
BS-PL3006NB	screw, bind head, case M3x6	4

ACCESSORY PARTS

Part No.	Description	Qty
ZG-AAZ50111	microphone	1
MU-576SM003	bracket, unit mount	1
MZ-331SZ002	hanger, mike	1
MF-284SN001	thumb screw, unit mount	2
BT-PT5013AZ	screw, self-tapping M5x13	4
BW-G50A06SW	washer, outside tooth M5	4
BT-PP4010BN	screw, self-tapping M4x10	2
BW-U40855SW	washer, inside tooth M4	2
BT-PW3008BZ	screw, self-tapping, mike hanger	2



Schematic Diagram

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