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9001-9002-000

SHIP UNIT, RD-301A

D

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
	1001-2529-200	WAVEGUIDE CONNECTING HARDWARE
	2400-7502-600	LABEL, RD-301 ACCESSORY S/N
	2400-8501-000	LABEL, RECEIVING/UNPACKING
	4100-7623-600	COUPLER 612-A79 MICROLAB
	5650-7623-500	TERMINATION WF-0055 MICROLAB
	6042-0000-012	COAX ASSY, 4' TYPE N--N ARMORED
	7003-9047-000	COMPOSITE ASSY, RD-301A



7003-9047-000

ASSY, COMPOSITE

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1400-4953-300	BRACKET,LATCH GUIDE
2	1400-4980-100	BRKT,LEFT FRONT PANEL MOUNTING
3	1400-4980-101	BRKT,RIGHT FRONT PANEL MOUNT
4	1400-4985-300	BRKT,SUPT,CARD FRAME,RIGHT
5	1400-4985-301	BRKT,SUPT,CARD FRAME,LEFT
6	1407-7632-700	HANDLE EXTRUSION
7	1415-7627-500	SIDE FRAME
8	1421-1424-201	FOOT MOUNTING
9	2400-9933-000	LABEL,S/N,RD-301A
10	2410-4950-200	BAR,TRIM,FRONT PANEL
11	2506-4953-400	PLATE,CARD RACK LATCH GUIDE
12	2800-4954-200	SPACER,LATCH CARD FRAME
14	2400-7502-800	LABEL ACCESSORIES
15	2804-0375-006	SCREW,6-32 X 3/8 PPHM
16	2804-0313-003	SCREW 6-32 X 5/16 PFHMS
17	2805-0250-006	SCREW,8-32X1/4,PPHMSSS
18	2805-0375-003	SCREW 8-32 X 3/8 PFHMS
19	2832-2504-800	HINGE PIVOT
20	2840-0000-008	WASHER,FLAT,4,AN960-C4
21	2403-9051-500	OVERLAY,REAR PNL RD-301A
22	2803-0438-006	SCREW,4-40 X 7/16 PPHM
23	2850-0000-001	SPEED NUT TIMMERMAN C11351632
24	2803-0375-006	SCREW, 4-40 X 3/8 PPHM
25	2840-0000-003	WASHER,LOCK,INT TOOTH,4
26	2400-7501-900	LABEL,CAUTION,WIRED FOR 230VAC
38	6045-4981-200	RBN CA ASSY,RANGE--DIGIT SW
39	6045-4981-300	RBN CA ASSY,RANGE--DISCRETE SW
55	7005-9047-100	MECH ASSY,FRONT PANEL
56	7005-9040-900	MECH ASSY,REAR PANEL
59	7005-9041-800	MECH ASSY,CARD FRAME
61	2805-0375-006	SCREW 8-32X3/8 PHIL BIND HD
62	1407-7632-400	HANDLE ASSY
63	1414-7606-501	COVER,TOP
64	1414-7606-601	COVER,BOTTOM,7IN RACK MNT CASE
65	1414-7612-101	SIDE COVER
66	1421-7630-200	FOOT ASSY
67	2400-7607-001	DECAL TRIM STRIP
68	2506-7606-900	PLATE,HANDLE MTG,PAINTED
69	2804-0250-003	SCREW 6-32X1/4 PFHMS
70	2804-0500-003	SCREW,6-32 X 1/2 PFHM
74	2803-0250-006	SCREW,4-40 X 1/4 PPHM
75	7010-4931-400	PCB ASSY,IF MKR/OSC,RD-301
76	7010-4931-500	PCB ASSY,IF GEN PWR AMP,RD-301
77	2506-4953-500	PLATE,MOUNTING,PRESALER
79	5650-0010-200	TERMINATION,M SMA,50 OHM,1.15
80	2840-0000-001	WASHER,LOCK,INT TOOTH,6
81	2525-4952-000	GASKET,RF,FLOOR MODULES
88	7005-9042-000	MECH ASSY,FLOOR
90	2840-7600-214	WASHER,ALUM,.870D,.6301D,.030T
91	1050-0000-170	TAPE, VINYL FOAM 3/4" 2-SIDED
92	2803-0250-003	SCREW,4-40 X 1/4 PFHM

7003-9047-000
ASSY, COMPOSITE (cont)
B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
93	7005-4943-000	MECH ASSY,475/570-775MHZ FLTR
94	7005-9041-000	MECH ASSY, DELAY LINE
95	2109-0000-007	CLAMP CABLE TYRAP TY34M.8
96	2850-0000-008	NUT,HEX,REG PAT,4-40
A01	7005-9041-900	MECH ASSY,DISPLAY COUNTER
TAG #01	6050-0062-220	COAX ASSY,316,RF SMB/S M SMA
TAG #02	6050-0942-100	COAX ASSY,316,R M SMA/S M SMA
TAG #03	6050-0062-450	COAX ASSY,316,R F SMB/S M SMA
TAG #04	6050-0062-400	COAX ASSY,316,R F SMB/S M SMA
TAG #05	6050-0062-400	COAX ASSY,316,R F SMB/S M SMA
TAG #06	6042-9080-700	COAX ASSY,SR.141 X-BAND-FT.PNL
TAG #07	6050-0931-000	COAX ASSY,316,R M SMA/R M SMA
TAG #08	6050-0061-150	COAX ASSY,316,RF SMB/SM SMA
TAG #09	6050-0062-220	COAX ASSY,316,RF SMB/S M SMA
TAG #16	6050-0562-100	COAX ASSY,316,R M SMA/R F SMB
TAG #19	6042-4982-200	COAX ASSY,SR.086,ATTEN*ATTEN
TAG #20	6050-0562-750	COAX ASSY,316,R M SMA/R F SMB
TAG #21	6050-0043-200	COAX ASSY,316,R F SMB/R F SMB
TAG #24	6050-0930-600	COAX ASSY,316,R M SMA/R M SMA
TAG #25	6050-0930-600	COAX ASSY,316,R M SMA/R M SMA
TAG #28	6050-0930-275	COAX ASSY,316,R M SMA/R M SMA
TAG #29	6050-0041-420	RG 316/U FLEX COAX ASSY
TAG #30	6050-0042-020	COAX ASSY,316,R F SMB/R F SMB
TAG #32	6042-9080-300	COAX ASSY,SR.086 X-BAND-R PNL
TAG #33	6043-1180-370	COAX ASSY,CONF,SMB RA-SMB STR
TAG #34	6043-1180-325	COAX ASSY,CONF,SMB RA-SMB STR
TAG #35	6043-1180-325	COAX ASSY,CONF,SMB RA-SMB STR
TAG #36	6043-1180-370	COAX ASSY,CONF,SMB RA-SMB STR
TAG #38	6050-0061-345	RG 316/U FLEX COAX ASSY
TAG #39	6042-9080-600	COAX ASSY,SR.086 XBND-RPNL AUX
TAG #42	6050-1091-000	COAX ASSY,316,R F SMB/ES-006
TAG #43	6050-1091-450	COAX ASSY,316,R F SMB/ES-006

7003-9047-000
ASSY, COMPOSITE
B1

Contains all parts found in Revision B.



7009-9047-200

COAXIAL CABLE KIT, RD-301A

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
TAG #1	6050-0062-220	COAX ASSY,316,RF SMB/S M SMA
TAG #2	6050-0942-100	COAX ASSY,316,R M SMA/S M SMA
TAG #3	6050-0062-450	COAX ASSY,316,R F SMB/S M SMA
TAG #4	6050-0062-400	COAX ASSY,316,R F SMB/S M SMA
TAG #5	6050-0062-400	COAX ASSY,316,R F SMB/S M SMA
TAG #7	6050-0931-000	COAX ASSY,316,R M SMA/R M SMA
TAG #8	6050-0061-150	COAX ASSY,316,RF SMB/SM SMA
TAG #9	6050-0062-220	COAX ASSY,316,RF SMB/S M SMA
TAG #16	6050-0562-100	COAX ASSY,316,R M SMA/R F SMB
TAG #20	6050-0562-750	COAX ASSY,316,R M SMA/R F SMB
TAG #21	6050-0043-200	COAX ASSY,316,R F SMB/R F SMB
TAG #24	6050-0930-600	COAX ASSY,316,R M SMA/R M SMA
TAG #25	6050-0930-600	COAX ASSY,316,R M SMA/R M SMA
TAG #28	6050-0930-275	COAX ASSY,316,R M SMA/R M SMA
TAG #29	6050-0041-420	RG 316/U FLEX COAX ASSY
TAG #30	6050-0042-020	COAX ASSY,316,R F SMB/R F SMB
TAG #33	6043-1180-370	COAX ASSY,CONF,SMB RA-SMB STR
TAG #34	6043-1180-325	COAX ASSY,CONF,SMB RA-SMB STR
TAG #35	6043-1180-325	COAX ASSY,CONF,SMB RA-SMB STR
TAG #36	6043-1180-370	COAX ASSY,CONF,SMB RA-SMB STR
TAG #38	6050-0061-345	RG 316/U FLEX COAX ASSY
TAG #42	6050-1091-000	COAX ASSY,316,R F SMB/ES-006
TAG #43	6050-1091-450	COAX ASSY,316,R F SMB/ES-006



7005-9040-900

ASSY, REAR PANEL

A4

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1405-9050-500	PANEL, REAR RD-301A
2	6007-0000-001	CAP,S ID.375-RED 1 INCH
3	5106-0000-011	HOLDER,FUSE,BUSSMAN HKP
4	7005-9040-400	MECH ASSY,PWR SUPPLY
5	2803-0375-006	SCREW, 4-40 X 3/8 PPHM
7	2850-0000-008	NUT,HEX,REG PAT,4-40
8	2840-0000-003	WASHER,LOCK,INT TOOTH,4
10	2803-0313-003	SCREW 4-40 X 5/16 PFHMS
11	6007-0000-003	BOOT,LINE RCPT AC
12	5400-9051-700	HEATSINK,PWR SUPPLY
13	2805-0500-006	SCREW 8-32 X 1/2 PBHMS
14	2840-0000-002	WASHER,LOCK,INT TOOTH,8
15	2805-0313-006	SCREW 8-32X5/16 SLTD M/S SS
	6008-3000-009	WIRE,UL1213,22GA,7X30,GRY
F49001	5106-0000-017	FUSE,2.0AMP,250V,FAST,1.25GL
GL11001	2850-0000-025	GROUND LUG 31-759
GL11002	2850-0000-025	GROUND LUG 31-759
GL11003	2850-0000-025	GROUND LUG 31-759
J49003	2200-6950-100	CONN,F N/SMA F,STR BULKHEAD
J49005	2113-0000-020	CONN UG1094/U
J49006	2113-0000-020	CONN UG1094/U
J49007	2113-0000-020	CONN UG1094/U
J49008	2220-1021-100	CONN, PWR, FLTR AC, MALE RCPT

7005-9040-900

ASSY, REAR PANEL

B

Contains all parts in Revisions A4 plus the following:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
P11002	2115-9002-005	CONN,RECT.098 PLUG 5-P,SMP05VB
P11002-1	2114-9002-001	CONTACT SKT26-22GA.SHF001T8SS
P11002-3	2114-9002-001	CONTACT SKT26-22GA.SHF001T8SS
P11002-5	2114-9002-001	CONTACT SKT26-22GA.SHF001T8SS
W11001	6008-3000-009	WIRE,UL1213,22GA,7X30,GRY
W11002	6008-3000-006	WIRE,UL1213,22GA,7X30,GRN
W11003	6008-3000-010	WIRE,UL1213,22GA,7X30,WHT
W11004	6008-3000-009	WIRE,UL1213,22GA,7X30,GRY



7005-9040-400

ASSY, PWR SUPPLY

A3

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1414-9050-600	COVER, POWER SUPPLY
2	7010-9030-400	PCB ASSY,PWR SUPPLY
3	1415-9050-700	ENCLOSURE, POWER SUPPLY
4	2803-0438-006	SCREW,4-40 X 7/16 PPHM
5	2803-0375-006	SCREW, 4-40 X 3/8 PPHM
6	2850-0000-008	NUT,HEX,REG PAT,4-40
7	2840-0000-003	WASHER,LOCK,INT TOOTH,4
8	2840-6153-500	WASHER PPS SHOULDER
9	4835-0000-103	INSUL,MICA,TO-220 TRANS,DF103B
10	2803-0375-003	SCREW,4-40 X 3/8 PFHM
11	2804-0250-003	SCREW 6-32X1/4 PFHMS



7010-9030-400

PCB ASSY, PWR SUPPLY

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9020-400	PC BD, PWR SUPPLY
2	6004-6005-550	TY-RAP,5.5 LG
3	2803-0500-051	SCREW 4-40 X 1/2 SPHM NYLON
5	2803-1500-006	SCREW 4-40 X 1 1/2 PBHMS
6	2840-0000-009	WASHER,FLAT,4,MS15795-803
7	2850-0000-020	NUT,HEX,SMALL PAT,4-40
8	2840-7600-216	WASHER,PHEN,.63OD,.140ID,.060T
10	2510-2327-102	HUB,MTG,INDUCTOR
11	2109-0000-010	MOUNTING CLAMP PWR SUP TRANS
12	2400-7856-800	LABEL,ESD
13	6011-0053-001	TUBING,TF,16 AWG,NATURAL,TW
14	6012-0085-100	TUBING,PVC-105,12 AWG,CLEAR
BR55001	4823-2010-600	RECT,PH60,BRIDGE, 600V, 5A
C55001	1501-0332-001	CAP,3300PF,1000V,20%,DISC
C55002	1501-0332-001	CAP,3300PF,1000V,20%,DISC
C55003	1501-0332-001	CAP,3300PF,1000V,20%,DISC
C55004	1580-4010-800	CAP,400UF,180V,ELE,100
C55005	1501-0332-001	CAP,3300PF,1000V,20%,DISC
C55006	1580-4010-800	CAP,400UF,180V,ELE,100
C55007	1506-0562-017	CAP,5600pF,100V,5%,NPO
C55008	1506-0562-017	CAP,5600pF,100V,5%,NPO
C55009	1507-0476-018	CAP,47UF,35V,20%,TANT
C55010	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C55011	1503-0104-009	CAP,0.1UF,200V,5%,PE
C55012	1507-0476-018	CAP,47UF,35V,20%,TANT
C55014	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C55015	1501-0332-001	CAP,3300PF,1000V,20%,DISC
C55016	1506-0103-017	CAP,0.01UF,100V,NPO
C55017	1506-0103-017	CAP,0.01UF,100V,NPO
C55018	1515-0202-075	CAP,2000UF,7V,ELE,4L
C55019	1515-0471-006	CAP,470UF,10V,ELE,10
C55020	1507-0105-018	CAP,1UF,35V,20%,TANT
C55021	1506-0152-017	CAP,1500pF,100V,NPO
C55022	1506-0103-017	CAP,0.01UF,100V,NPO
C55023	1506-0471-017	CAP,470pF,100V,5%,NPO
C55024	1506-0680-017	CAP,68pF,100V,5%,NPO
C55025	1506-0103-017	CAP,0.01UF,100V,NPO
C55026	1506-0680-017	CAP,68pF,100V,5%,NPO
C55027	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C55028	1507-0105-018	CAP,1UF,35V,20%,TANT
C55029	1580-2202-420	CAP,22UF,35V,ELE,RDL
C55030	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C55031	1506-0332-017	CAP,3000pF,100V,5%,NPO
CR55001	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55002	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55003	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55004	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55005	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55007	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55008	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55009	4945-0150-050	DIODE,5KP5.0 ,TZORB, 5V,5KW



7010-9030-400

PCB ASSY, PWR SUPPLY (cont)

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
CR55010	4901-5245-200	DIODE, 1N5245B ,ZENER, 15V,.5W
CR55011	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR55012	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR55013	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR55014	4818-0000-004	DIODE, 1N5234B ,ZENER,6.2V,.5W
CR55015	4818-0000-001	DIODE, 1N5240B ,ZENER, 10V,.5W
CR55016	4822-0000-006	RECT, 45V 20A DUAL ISO TO-220*
CR55017	4822-0000-005	RECT,200V 8V DUAL ISO TO-220
CR55018	4822-0000-005	RECT,200V 8V DUAL ISO TO-220
CR55019	4822-0000-005	RECT,200V 8V DUAL ISO TO-220
CR55020	4901-4937-000	DIODE, IN4937, RECT, 600V,1A
CR55021	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR55022	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR55023	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR55024	4901-5245-200	DIODE, 1N5245B ,ZENER, 15V,.5W
CR55025	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR55026	4815-0000-002	DIODE, 1N4004 ,RECT, 400V, 1A
J11001	2115-8001-440	CONN,BURNDY SMS12RE-4-D70
L55001	1800-7626-000	INDUCTOR,TOROID,58T,22GA
L55002	1800-7626-000	INDUCTOR,TOROID,58T,22GA
L55003	1800-3881-900	INDUCTOR,TORROID,14GA,18T
L55004	1800-3882-000	INDUCTOR,TORROID,16GA, 4T
Q55001	5050-0344-000	TRANS,NPN,HIGH VOLTAGE
Q55002	4801-0000-001	TRANSISTOR NPN HS SW
Q55003	4805-0000-001	TRANS,2N2907A,PNP HS SW (3251)
Q55004	5050-2445-300	TRANS,N-CH 600V 2.5R ISO 220*
Q55005	4801-0000-001	TRANSISTOR NPN HS SW
Q55006	4801-0000-001	TRANSISTOR NPN HS SW
Q55007	4811-0000-009	TRANS,SCR 400V 8A ISO TO-220
Q55008	4801-0000-001	TRANSISTOR NPN HS SW
Q55009	4811-0000-009	TRANS,SCR 400V 8A ISO TO-220
R55001	4703-0104-003	RES,100K,1/2W,5%
R55002	4703-0104-003	RES,100K,1/2W,5%
R55003	4702-0104-003	RES,100K,1/4W,5%
R55004	4704-0102-003	RES,1.0K,1W,5%
R55005	4709-0103-004	RES,10K,7W,5%,WW
R55006	4703-0274-002	RES,270K,1/2W,5%
R55007	4703-0274-002	RES,270K,1/2W,5%
R55008	4702-0103-003	RES,10K,1/4W,5%
R55009	4702-0681-003	RES,680,1/4W,5%
R55010	4701-0333-003	RES,33K,1/8W,5%
R55011	4701-0333-003	RES,33K,1/8W,5%
R55012	4702-0154-003	RES,150K,1/4W,5%
R55013	4702-0270-003	RES,27,1/4W,5%
R55014	4701-0124-003	RES,120K,1/8W,5%
R55015	4702-0102-003	RES,1.0K,1/4W,5%
R55016	4702-0560-003	RES,56,1/4W,5%
R55017	4701-0183-003	RES,18K,1/8W,5%
R55018	4701-0153-003	RES,15K,1/8W,5%
R55019	4701-0183-003	RES,18K,1/8W,5%
R55020	4701-0103-003	RES,10K,1/8W,5%



7010-9030-400

PCB ASSY, PWR SUPPLY (cont)

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R55021	4701-0472-003	RES,4.7K,1/8W,5%
R55022	4701-0224-003	RES,220K,1/8W,5%
R55023	4703-0109-003	RES,1,1/2W,5%
R55024	4703-0109-003	RES,1,1/2W,5%
R55025	4703-0109-003	RES,1,1/2W,5%
R55026	4701-0183-003	RES,18K,1/8W,5%
R55027	4702-0560-003	RES,56,1/4W,5%
R55028	4701-0102-003	RES,1.0K,1/8W,5%
R55029	4703-0331-003	RES,330,1/2W,5%
R55030	4701-0103-003	RES,10K,1/8W,5%
R55031	4701-0153-003	RES,15K,1/8W,5%
R55031SAT	4701-0183-003	RES,18K,1/8W,5%
R55031SAT	4701-0123-003	RES,12K,1/8W,5%
R55031SAT	4701-0223-003	RES,22K,1/8W,5%
R55032	4752-0502-002	POT 5K OHM
R55033	4701-0333-003	RES,33K,1/8W,5%
R55034	4701-0103-003	RES,10K,1/8W,5%
R55035	4701-0102-003	RES,1.0K,1/8W,5%
R55036	4702-0100-003	RES,10,1/4W,5%
R55037	4709-0103-004	RES,10K,7W,5%,WW
R55039	4701-0153-003	RES,15K,1/8W,5%
R55040	4703-0159-003	RES,1.5,1/2W,5%
R55041	4701-0103-003	RES,10K,1/8W,5%
R55042	4702-0472-003	RES,4.7K,1/4W,5%
R55043	4703-0229-003	RES,2.2,1/2W,5%
R55045	4702-0151-003	RES,150,1/4W,5%
R55046	4702-0274-003	RES,270K,1/4W,5%
R55047	4701-0103-003	RES,10K,1/8W,5%
RT1	4800-0000-017	VRIS,LMTR CUR INRUSH 3 AMP
T55001	5604-3881-700	XFMR,INPUT FILTER,POWER SUPPLY
T55002	5604-9000-001	TRANSFORMER, PWR SUPPLY RD301A
TP55001	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP55002	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP55004	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP55005	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
U55001	3224-0079-121	IC,7912CT,1.5A -12V REGULATOR
U55003	3224-0078-121	IC,78T12,3A 12V 2% V REGULATOR
U55005	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U55006	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U55007	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U55008	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U55009	3224-0079-121	IC,7912CT,1.5A -12V REGULATOR
U55010	4819-0000-005	6N135 SCREENED CTR 15-22 VCE=2
W1	6008-4000-010	WIRE,UL1213,20GA,7X28,WHT
W2	6008-4000-001	WIRE,UL1213,20GA,7X28,BLK
W3	1050-0000-073	WIRE,BUS,TINNED COPPER,22GA



7010-9030-400

PCB ASSY, PWR SUPPLY (cont)

E

Contains all parts in Revision D1 plus the following:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
15	6008-5009-007	WIRE,UL 600V 18GA,75,BLUE

The following part number has been changed:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C55004	1580-0471-020	CAP,470UF,200V,20%,ELE
C55006	1580-0471-020	CAP,470UF,200V,20%,ELE



7005-9042-000

ASSY, FLOOR

C

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1406-9052-300	FLOOR,PLATE RD-301A
3	7010-9030-500	PCB ASSY,VIDEO
4	7005-4940-900	MECH ASSY,MAIN DIODE SWITCH
5	2517-2511-700	X-BAND FRONT END MICROWAVE
6	2803-0375-006	SCREW, 4-40 X 3/8 PPHM
7	7005-9041-200	MECH ASSY, VCO
8	2100-2515-900	BLOCK
9	2506-2516-000	PLATE END
10	2200-0110-400	CONN,ADAPT,M2M SMA,RIGHT ANGLE
11	2525-4952-000	GASKET,RF,FLOOR MODULES
12	2803-0250-006	SCREW,4-40 X 1/4 PPHM
13	2803-0313-006	SCREW,4-40 X 5/16 PPHM
16	2804-0375-006	SCREW,6-32 X 3/8 PPHM
18	2800-7600-187	SPACER,AL,.25HEX,4-40ID,1.17LG
19	2840-0000-003	WASHER,LOCK,INT TOOTH,4
20	2840-0000-001	WASHER,LOCK,INT TOOTH,6
21	7007-9083-000	WIRE HARNESS,MAIN,RD-301A
22	2803-0500-006	SCREW,4-40 X 1/2 PPHM
23	2109-0000-007	CLAMP CABLE TYRAP TY34M.8
25	7005-9040-200	MECH ASSY,HETERODYNE
26	7005-9040-300	MECH ASSY, COUPLER/SPLITTER
27	2801-0188-006	SCREW 2-56 X 3/16 PPHMS
28	7010-9030-700	PCB ASSY, BUFFER AMP
92	1400-9052-100	BRACKET, RELAY MTG.
AT1	2901-0000-045	ATTEN,6DB,2W,SMA,M/F,18GHZ
CR51001	4815-0000-003	DIODE, 1N4148,SIGNAL, 75PRV
G1	5850-0000-067	OSC,PL,8.25GHZ,+12V,+13DBM
K51001	4501-0100-102	RELAY,SMA COAXIAL,SPDT,28VDC
TAG#11	6042-4986-000	COAX ASSY - VCO TO MAIN ATTEN
TAG#12	6050-0931-650	COAX ASSY,316,R M SMA/R M SMA
TAG#13	6042-4985-800	COAX ASSY-VCO TO R2 ATTEN
TAG#14	6042-4985-900	COAX ASSY - R2 ATTEN TO VCO
TAG#15	6050-0930-850	COAX ASSY,316,R M SMA/R M SMA
TAG#17	6042-4986-700	COAX ASSY,SR.086,RLY--DIODE SW
TAG#18	6042-4986-800	COAX ASSY,SR.086, RELAY-ATTEN
TAG#22	6050-0042-050	COAX ASSY,316,R F SMB/R F SMB
TAG#31	6042-4980-500	COAX ASSY,SR.086,DIO SW*X-BAND
TAG#34	6042-9080-900	COAX ASSY,SR.086 VCO-DSCRM
TAG#35	6042-9080-400	COAX ASSY,SR.086 VCO-HET BLOCK
TAG#36	6050-0040-700	COAX ASSY,316,R F SMB/R F SMB
TAG#40	6042-9080-500	COAX ASSY,SR.086 HET-R PNL VCO
TAG#41	6050-0930-375	COAX ASSY,316,R M SMA/R M SMA
W1	6044-1150-270	COAX ASSY,8.25 GHZ TO X-BAND
W4	6044-1512-020	COAX ASSY,CONF.,RA SMA/RA SMA



W005-9042-000

ASSY, FLOOR

C1

Contains all parts in Revision C plus the following:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
15	2803-0625-006	SCREW,4-40 X 5/8 PPHM

7005-9042-000

ASSY, FLOOR

D

Contains all parts in Revision C with changes to the following:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
AT1	2901-0102-010	ATTEN,10DB,2W,SMA,12.4GHZ
G1	5850-0000-069	OSC,PL,8.25GHZ,+12V



7005-9040-200

ASSY, HETERODYNE

C

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	7010-9030-200	PCB ASSY,HETERODYNE
2	1415-9050-100	ENCLOSURE, HETERODYNE MODULE
3	2801-0250-006	SCREW,2-56 X 1/4 PPHM
4	2840-7600-229	WASHER,ALUM,.305D,.196ID,.038T
5	2803-0188-006	SCREW,4-40 X 3/16 PPHM
7	1400-9050-200	BRACKET, CPLR/SPLITTER-HET BLK
8	2525-7874-100	GASKET RF,.070 DIA (BLUE)
10	6004-6005-400	TY-RAP,4.0 LG
FL25001	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32
FL25002	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32
GL25001	2850-0000-100	LUG,GND,#8 RT.ANG NON-LOCKING
J25001	2200-1930-100	CONN,SMA,F,NARROW FLANGE
J25002	2123-0000-038	CONN,M SMB,W/TERM,STR BULKHD
J25003	2200-1930-100	CONN,SMA,F,NARROW FLANGE
J25004	2200-1930-100	CONN,SMA,F,NARROW FLANGE
J25005	2115-9001-002	CONN,RECT.098 RCPT 2-P
J25005-1	2114-9001-001	CONTACT PIN26-22GA.SYM001T0.6
J25005-2	2114-9001-001	CONTACT PIN26-22GA.SYM001T0.6
MXR25001	5250-0804-301	MIXER, 700-1500MHz TO-8
W25001	6008-3000-003	WIRE,UL1213,22GA,7X30,RED
W25002	6008-1000-003	WIRE,UL1213,26GA,7X34,RED
W25003	6008-1000-001	WIRE,UL1213,26GA,7X34,BLK

7005-9040-200

ASSY, HETERODYNE

C1

Contains all of the items in Rev. C.



7010-9030-200

PCB ASSY, HETERODYNE

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9020-200	PC BD, HETERODYNE
2	2400-7856-800	LABEL,ESD
C24001	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24002	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24003	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24004	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24005	1622-0102-001T	CAP,1000pF,50V,CHIP,NPO
C24006	1622-0102-001T	CAP,1000pF,50V,CHIP,NPO
C24007	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24008	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24009	1622-0102-001T	CAP,1000pF,50V,CHIP,NPO
C24010	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24011	1622-0220-001T	CAP,22PF,100V,5%,1206,NPO
C24012	1622-0102-001T	CAP,1000pF,50V,CHIP,NPO
C24013	1622-0050-001T	CAP,5pF,50V,CHIP
C24014	1622-0050-001T	CAP,5pF,50V,CHIP
L24001	1811-6391-001T	IND,SM .39UH 10% C 1008
L24002	1811-6391-001T	IND,SM .39UH 10% C 1008
L24003	1811-6391-001T	IND,SM .39UH 10% C 1008
L24004	1811-6391-001T	IND,SM .39UH 10% C 1008
L24005	1811-6680-001T	IND,SM .068UH 10% C 1008
R24001	4722-1050-001T	RES,105,1/8W,1%
R24002	4722-6199-001T	RES,61.9,1/8W,1%
R24003	4722-1050-001T	RES,105,1/8W,1%
R24004	4722-1500-001T	RES,150,1/8W,1%
R24005	4722-3659-001T	RES,36.5,1/8W,1%
R24006	4722-1500-001T	RES,150,1/8W,1%
R24007	4722-1509-001T	RES,15,1/8W,1%
R24008	4722-4029-001T	RES,40.2,1/8W,1%
R24009	4722-4029-001T	RES,40.2,1/8W,1%
R24010	4722-2439-001T	RES,24.3,1/8W,1%
R24011	4722-4029-001T	RES,40.2,1/8W,1%
R24012	4722-4029-001T	RES,40.2,1/8W,1%
R24013	4722-2439-001T	RES,24.3,1/8W,1%
R24014	4722-2940-001T	RES,294,1/8W,1%
R24015	4722-1789-001T	RES,17.8,1/8W,1%
R24016	4722-2940-001T	RES,294,1/8W,1%
R24017	4722-5119-001T	RES,51.1,1/8W,1%
R24018	4722-3650-001T	RES,365,1/8W,1%
R24019	4722-3650-001T	RES,365,1/8W,1%
R24020	4722-3650-001T	RES,365,1/8W,1%
R24021	4722-3650-001T	RES,365,1/8W,1%
R24022	4722-3650-001T	RES,365,1/8W,1%
R24023	4722-3650-001T	RES,365,1/8W,1%
R24024	4722-3650-001T	RES,365,1/8W,1%
R24025	4722-3650-001T	RES,365,1/8W,1%
U24001	5050-2501-300	IC,MSA-0385,AMPLIFIER
U24002	5050-2501-300	IC,MSA-0385,AMPLIFIER
U24003	5050-2501-300	IC,MSA-0385,AMPLIFIER
U24004	5050-2501-300	IC,MSA-0385,AMPLIFIER



7005-9040-300

ASSY, COUPLER/SPLITTER

B1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9020-300	PC BD, COUPLER/SPLITTER
2	2506-9051-000	DIVIDER, COUPLER/SPLITTER
3	2508-9050-400	SHIELD, COUPLER/SPLITTER
J18001	2123-0000-054	CONN, RF SUB, SMA, PCB RTANG JACK
J18002	2123-0000-054	CONN, RF SUB, SMA, PCB RTANG JACK
J18003	2123-0000-054	CONN, RF SUB, SMA, PCB RTANG JACK
J18004	2123-0000-054	CONN, RF SUB, SMA, PCB RTANG JACK
R18001	4722-8458-001	RES, 8.45, 1/8W, 1%
R18002	4722-8458-001	RES, 8.45, 1/8W, 1%
R18003	4722-1400-001	RES, 140, 1/8W, 1%
R18004	4722-4999-001	RES, 49.9, 1/8W, 1%
R18005	4722-1000-001	RES, 100, 1/8W, 1%

7010-9030-500

PCB ASSY, VIDEO

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9020-500	PC BD, VIDEO
4	2850-0000-020	NUT,HEX,SMALL PAT,4-40
5	2803-0250-006	SCREW,4-40 X 1/4 PPHM
6	2400-7856-800	LABEL,ESD
C17001	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17002	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17003	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17004	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17005	1507-0225-019	CAP,2.2UF,25V,20%,TANT
C17006	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17007	1507-0336-023	CAP,30UF,10V,20%,TANT
C17008	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17009	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17010	1507-0336-023	CAP,30UF,10V,20%,TANT
C17011	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17012	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17013	1627-2240-450	CAP,0.22UF,50V
C17014	1627-2240-450	CAP,0.22UF,50V
C17015	1627-2240-450	CAP,0.22UF,50V
C17016	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17017	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17018	1627-2240-450	CAP,0.22UF,50V
C17019	1627-2240-450	CAP,0.22UF,50V
C17020	1627-2240-450	CAP,0.22UF,50V
C17021	1627-2240-450	CAP,0.22UF,50V
C17022	1627-2240-450	CAP,0.22UF,50V
C17023	1627-2240-450	CAP,0.22UF,50V
C17024	1627-2240-450	CAP,0.22UF,50V
C17025	1506-0180-017	CAP,18pF,100V,5%,NPO
C17026	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17027	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17028	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17029	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17030	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17031	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17032	1506-0222-017	CAP,2200pF,50V,NPO
C17033	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17034	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17035	1506-0222-017	CAP,2200pF,50V,NPO
C17036	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17039	1580-2202-420	CAP,22UF,35V,ELE,RDL
C17040	1580-4702-105	CAP,47UF,10V,ELE,RDL
C17041	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17042	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17043	1506-0101-017	CAP,100pF,100V,5%,NPO
C17044	1506-0331-017	CAP,330pF,100V,5%,NPO
C17045	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17046	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17047	1506-0101-017	CAP,100pF,100V,5%,NPO
C17048	1506-0331-017	CAP,330pF,100V,5%,NPO
C17049	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U



7010-9030-500

PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C17050	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17051	1506-0101-017	CAP,100pF,100V,5%,NPO
C17052	1506-0331-017	CAP,330pF,100V,5%,NPO
C17053	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17054	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17055	1506-0101-017	CAP,100pF,100V,5%,NPO
C17056	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17057	1580-2202-420	CAP,22UF,35V,ELE,RDL
C17058	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17059	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17060	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17061	1627-2240-450	CAP,0.22UF,50V
C17062	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17063	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17064	1502-0106-012	CAP,10UF,50V,20%,MPC
C17065	1506-0471-017	CAP,470pF,100V,5%,NPO
C17066	1502-0106-012	CAP,10UF,50V,20%,MPC
C17067	1506-0471-017	CAP,470pF,100V,5%,NPO
C17068	1507-0225-019	CAP,2.2UF,25V,20%,TANT
C17069	1506-0101-017	CAP,100pF,100V,5%,NPO
C17070	1506-0121-017	CAP,120pF,100V,5%,NPO
C17071	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17072	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17073	1506-0010-017	CAP,1pF,100V,MICA,50
C17074	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17075	1508-0157-020	CAP,150UF,15V,TANT,RDL
C17076	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17077	1627-2240-450	CAP,0.22UF,50V
C17078	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17079	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17080	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17081	1502-0106-012	CAP,10UF,50V,20%,MPC
C17082	1506-0471-017	CAP,470pF,100V,5%,NPO
C17083	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17084	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17085	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17086	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17087	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17088	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17089	1585-1000-016	CAP,10UF,16V,NON-POLAR,RDL
C17090	1627-2240-450	CAP,0.22UF,50V
C17091	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17092	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17093	1502-0106-012	CAP,10UF,50V,20%,MPC
C17094	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17095	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17096	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17097	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17098	1580-4792-305	CAP,4.7UF,35V
C17099	1506-0471-017	CAP,470pF,100V,5%,NPO
C17100	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U



7010-9030-500

PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C17101	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17102	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17103	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17104	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17105	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17106	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17107	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17108	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17109	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17110	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17111	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17112	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17113	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17114	1627-2240-450	CAP,0.22UF,50V
C17115	1506-0101-017	CAP,100pF,100V,5%,NPO
C17116	1506-0101-017	CAP,100pF,100V,5%,NPO
C17117	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17118	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17119	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17120	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17121	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17122	1625-2230-100	CAP,0.022UF,100V,5%,X7R
C17123	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17124	1580-1000-200	CAP,10UF,25V,ELE,RDL
C17125	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17126	1506-0100-017	CAP,10pF,100V,5%,NPO
C17127	1506-0271-017	CAP,270pF,100V,5%,NPO
C17128	1506-0271-017	CAP,270pF,100V,5%,NPO
C17129	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17130	1506-0271-017	CAP,270pF,100V,5%,NPO
C17131	1506-0101-017	CAP,100pF,100V,5%,NPO
C17132	1506-0220-017	CAP,22PF,100V,5%,NPO
C17133	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17134	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17135	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17136	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17137	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17138	1627-2240-450	CAP,0.22UF,50V
C17139	1627-2240-450	CAP,0.22UF,50V
C17140	1506-0470-017	CAP,47pF,100V,NPO
C17141	1506-0101-017	CAP,100pF,100V,5%,NPO
C17142	1506-0101-017	CAP,100pF,100V,5%,NPO
C17143	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17144	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C17145	1506-0181-017	CAP,180pF,100V,5%,NPO
C17146	1506-0680-017	CAP,68pF,100V,5%,NPO
C17147	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
CR17001	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR17002	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR17003	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR17004	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV

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PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
CR17005	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR17006	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR17007	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
CR17008	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17009	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17010	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR17011	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR17012	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17013	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR17014	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17015	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17016	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17017	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17018	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17019	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17020	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17021	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17022	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17023	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17024	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17025	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR17026	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR17027	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
J17001	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J17002	2200-1920-100	CONN,JACK SMA PCM STR
J17003	2115-0000-016	WAFER,PCB,.100C,STR,10-P
J17004	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J17005	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J17006	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J17007	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J17008	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J17009	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
Q17001	4801-0000-001	TRANSISTOR NPN HS SW
Q17002	4809-0000-030	TRANS, LM394 NPN
Q17003	4809-0000-030	TRANS, LM394 NPN
Q17004	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q17005	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
R17001	4701-0510-003	RES,51,1/8W,5%
R17002	4701-0101-003	RES,100,1/8W,5%
R17003	4701-0151-003	RES,150,1/8W,5%
R17004	4701-0471-003	RES,470,1/8W,5%
R17005	4701-0471-003	RES,470,1/8W,5%
R17006	4752-0102-002	POT 1K OHM
R17007	4702-0100-003	RES,10,1/4W,5%
R17008	4752-0201-002	POT, 200 OHM
R17009	4752-0201-002	POT, 200 OHM
R17010	4752-0201-002	POT, 200 OHM
R17011	4701-0152-003	RES,1.5K,1/8W,5%
R17012	4701-0152-003	RES,1.5K,1/8W,5%
R17013	4701-0274-003	RES,270K,1/8W,5%
R17014	4701-0184-003	RES,180K,1/8W,5%



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PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R17015	4701-0185-003	RES,1.8MEG,1/8W,5%
R17016	4701-0102-003	RES,1.0K,1/8W,5%
R17017	4702-0222-003	RES,2.2K,1/4W,5%
R17018	4752-0102-002	POT 1K OHM
R17019	4701-0471-003	RES,470,1/8W,5%
R17020	4701-0471-003	RES,470,1/8W,5%
R17021	4701-0102-003	RES,1.0K,1/8W,5%
R17022	4702-0100-003	RES,10,1/4W,5%
R17023	4701-0331-003	RES,330,1/8W,5%
R17024	4701-0121-003	RES,120,1/8W,5%
R17025	4701-0272-003	RES,2.7K,1/8W,5%
R17026	4701-0181-003	RES,180,1/8W,5%
R17027	4701-0121-003	RES,120,1/8W,5%
R17028	4701-0272-003	RES,2.7K,1/8W,5%
R17029	4701-0104-003	RES,100K,1/8W,5%
R17030	4701-0184-003	RES,180K,1/8W,5%
R17031	4702-0102-003	RES,1.0K,1/4W,5%
R17032	4701-0102-003	RES,1.0K,1/8W,5%
R17033	4706-1002-001	RES,10.0K,1/4W,1%
R17034	4706-1783-001	RES,178K,1/4W,1%
R17035	4706-1002-001	RES,10.0K,1/4W,1%
R17036	4701-0471-003	RES,470,1/8W,5%
R17037	4701-0103-003	RES,10K,1/8W,5%
R17038	4701-0479-003	RES,4.7,1/8W,5%
R17039	4701-0510-003	RES,51,1/8W,5%
R17040	4701-0510-003	RES,51,1/8W,5%
R17041	4701-0101-003	RES,100,1/8W,5%
R17042	4701-0152-003	RES,1.5K,1/8W,5%
R17043	4701-0151-003	RES,150,1/8W,5%
R17044	4701-0152-003	RES,1.5K,1/8W,5%
R17045	4701-0512-002	RES,5.1K,1/8W,5%
R17046	4702-0100-003	RES,10,1/4W,5%
R17047	4701-0102-003	RES,1.0K,1/8W,5%
R17048	4701-0102-003	RES,1.0K,1/8W,5%
R17049	4701-0151-003	RES,150,1/8W,5%
R17050	4701-0391-003	RES,390,1/8W,5%
R17051	4701-0152-003	RES,1.5K,1/8W,5%
R17052	4701-0184-003	RES,180K,1/8W,5%
R17053	4706-1501-001	RES,1.50K,1/4W,1%
R17054	4701-0121-003	RES,120,1/8W,5%
R17055	4701-0271-003	RES,270,1/8W,5%
R17056	4701-0680-003	RES,68,1/8W,5%
R17057	4702-0820-003	RES,82,1/4W,5%
R17058	4701-0391-003	RES,390,1/8W,5%
R17059	4701-0101-003	RES,100,1/8W,5%
R17060	4701-0102-003	RES,1.0K,1/8W,5%
R17061	4701-0103-003	RES,10K,1/8W,5%
R17062	4701-0103-003	RES,10K,1/8W,5%
R17063	4701-0103-003	RES,10K,1/8W,5%
R17064	4701-0471-003	RES,470,1/8W,5%
R17065	4701-0680-003	RES,68,1/8W,5%



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PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R17066	4701-0271-003	RES,270,1/8W,5%
R17067	4702-0820-003	RES,82,1/4W,5%
R17068	4701-0561-003	RES,560,1/8W,5%
R17069	4701-0332-003	RES,3.3K,1/8W,5%
R17070	4701-0332-003	RES,3.3K,1/8W,5%
R17071	4701-0683-003	RES,68K,1/8W,5%
R17072	4701-0561-003	RES,560,1/8W,5%
R17073	4706-3832-001	RES,38.3K,1/4W,1%
R17074	4706-3832-001	RES,38.3K,1/4W,1%
R17075	4701-0512-002	RES,5.1K,1/8W,5%
R17076	4701-0101-003	RES,100,1/8W,5%
R17077	4701-0101-003	RES,100,1/8W,5%
R17078	4701-0512-002	RES,5.1K,1/8W,5%
R17079	4752-0103-002	POT 10K OHM
R17080	4752-0103-002	POT 10K OHM
R17081	4701-0683-003	RES,68K,1/8W,5%
R17082	4701-0332-003	RES,3.3K,1/8W,5%
R17083	4706-3832-001	RES,38.3K,1/4W,1%
R17084	4706-3832-001	RES,38.3K,1/4W,1%
R17085	4706-2941-001	RES,2.94K,1/4W,1%
R17086	4701-0274-003	RES,270K,1/8W,5%
R17087	4701-0274-003	RES,270K,1/8W,5%
R17088	4701-0101-003	RES,100,1/8W,5%
R17089	4706-7150-001	RES,715,1/4W,1%
R17090	4706-4990-001	RES,499,1/4W,1%
R17091	4701-0101-003	RES,100,1/8W,5%
R17092	4702-0821-003	RES,820,1/4W,5%
R17093	4706-3401-001	RES,3.40K,1/4W,1%
R17094	4701-0102-003	RES,1.0K,1/8W,5%
R17095	4701-0102-003	RES,1.0K,1/8W,5%
R17096	4701-0101-003	RES,100,1/8W,5%
R17097	4701-0101-003	RES,100,1/8W,5%
R17098	4701-0181-003	RES,180,1/8W,5%
R17099	4701-0181-003	RES,180,1/8W,5%
R17100	4701-0181-003	RES,180,1/8W,5%
R17101	4701-0152-003	RES,1.5K,1/8W,5%
R17102	4701-0152-003	RES,1.5K,1/8W,5%
R17103	4701-0102-003	RES,1.0K,1/8W,5%
R17104	4701-0101-003	RES,100,1/8W,5%
R17105	4701-0222-003	RES,2.2K,1/8W,5%
R17106	4701-0184-003	RES,180K,1/8W,5%
R17107	4701-0185-003	RES,1.8MEG,1/8W,5%
R17108	4701-0274-003	RES,270K,1/8W,5%
R17109	4706-5901-001	RES,5.90K,1/4W,1%
R17110	4701-0181-003	RES,180,1/8W,5%
R17111	4701-0181-003	RES,180,1/8W,5%
R17112	4701-0121-003	RES,120,1/8W,5%
R17113	4701-0152-003	RES,1.5K,1/8W,5%
R17114	4701-0102-003	RES,1.0K,1/8W,5%
R17115	4701-0222-003	RES,2.2K,1/8W,5%
R17116	4701-0479-003	RES,4.7,1/8W,5%



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PCB ASSY, VIDEO (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R17117	4701-0510-003	RES,51,1/8W,5%
R17118	4701-0510-003	RES,51,1/8W,5%
R17119	4701-0103-003	RES,10K,1/8W,5%
R17120	4701-0103-003	RES,10K,1/8W,5%
R17121	4701-0103-003	RES,10K,1/8W,5%
R17122	4701-0102-003	RES,1.0K,1/8W,5%
R17123	4702-0820-003	RES,82,1/4W,5%
R17124	4702-0680-003	RES,68,1/4W,5%
R17125	4702-0680-003	RES,68,1/4W,5%
R17126	4701-0472-003	RES,4.7K,1/8W,5%
R17127	4701-0333-003	RES,33K,1/8W,5%
R17128	4752-0501-002	POT, 500 OHM
R17129	4701-0103-003	RES,10K,1/8W,5%
R17130	4701-0680-003	RES,68,1/8W,5%
R17131	4701-0181-003	RES,180,1/8W,5%
R17132	4701-0391-003	RES,390,1/8W,5%
R17133	4701-0181-003	RES,180,1/8W,5%
R17134	4701-0152-003	RES,1.5K,1/8W,5%
R17135	4701-0152-003	RES,1.5K,1/8W,5%
R17136	4701-0221-003	RES,220,1/8W,5%
R17137	4706-1501-001	RES,1.50K,1/4W,1%
R17138	4701-0121-003	RES,120,1/8W,5%
R17139	4706-1002-001	RES,10.0K,1/4W,1%
R17140	4706-3830-001	RES,383,1/4W,1%
R17141	4701-0104-003	RES,100K,1/8W,5%
R17142	4702-0272-003	RES,2.7K,1/4W,5%
R17143	4752-0104-002	POT 100K OHM
R17145	4701-0154-003	RES,150K,1/8W,5%
R17146	4701-0101-003	RES,100,1/8W,5%
R17147	4701-0121-003	RES,120,1/8W,5%
R17148	4701-0223-003	RES,22K,1/8W,5%
R17149	4752-0103-002	POT 10K OHM
R17150	4752-0103-002	POT 10K OHM
R17151	4701-0471-003	RES,470,1/8W,5%
R17152	4701-0471-003	RES,470,1/8W,5%
R17153	4701-0510-003	RES,51,1/8W,5%
R17154	4701-0510-003	RES,51,1/8W,5%
R17155	4701-0471-003	RES,470,1/8W,5%
R17156	4701-0471-003	RES,470,1/8W,5%
R17157	4701-0510-003	RES,51,1/8W,5%
R17158	4701-0510-003	RES,51,1/8W,5%
R17159	4701-0223-003	RES,22K,1/8W,5%
R17160	4701-0121-003	RES,120,1/8W,5%
R17161	4701-0121-003	RES,120,1/8W,5%
R17162	4701-0271-003	RES,270,1/8W,5%
R17163	4701-0121-003	RES,120,1/8W,5%
R17164	4701-0271-003	RES,270,1/8W,5%
R17165	4701-0471-003	RES,470,1/8W,5%
R17166	4701-0471-003	RES,470,1/8W,5%
R17167	4701-0102-003	RES,1.0K,1/8W,5%
R17168	4701-0472-003	RES,4.7K,1/8W,5%



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PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R17169	4701-0102-003	RES,1.0K,1/8W,5%
R17170	4701-0101-003	RES,100,1/8W,5%
R17171	4701-0101-003	RES,100,1/8W,5%
R17172	4701-0101-003	RES,100,1/8W,5%
R17173	4701-0471-003	RES,470,1/8W,5%
R17174	4800-0000-003	THERM,2KOHM,25/125=19.8,2H-202
R17175	4701-0563-003	RES,56K,1/8W,5%
TP17001	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17002	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17003	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17004	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17005	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17006	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17007	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17008	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17009	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17010	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17011	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17012	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17013	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17014	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17015	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17016	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17017	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17018	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP17019	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
U17001	3224-1203-000	IC,RGB VIDEO AMPLIFIER
U17002	3224-1203-000	IC,RGB VIDEO AMPLIFIER
U17003	3224-1203-000	IC,RGB VIDEO AMPLIFIER
U17004	3222-0733-000	IC,LM733 DIFF AMP 120MHZ BW
U17005	3223-0004-000	IC,319,HI SPEED DUAL VOLT COMP
U17006	3223-0004-000	IC,319,HI SPEED DUAL VOLT COMP
U17007	3222-0733-000	IC,LM733 DIFF AMP 120MHZ BW
U17008	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U17009	3214-9474-000	IC,74HCT74,DUAL D FLIP-FLOP
U17010	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U17011	3222-0733-000	IC,LM733 DIFF AMP 120MHZ BW
U17012	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U17013	3214-4051-100	IC,4051B,8-CH ANALOG MPLXR
U17014	3130-0000-037	IC,9686 TTL LATCH COMPARATOR
U17015	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U17016	3130-0000-037	IC,9686 TTL LATCH COMPARATOR
U17017	3215-0000-001	IC,74F04,FAST HEX INVERTER
U17018	3214-9474-000	IC,74HCT74,DUAL D FLIP-FLOP
U17019	3130-0000-037	IC,9686 TTL LATCH COMPARATOR
U17020	3215-0000-000	IC,74F00 QUAD 2-INPUT NAND
U17021	3224-0001-000	IC,7905C,1.5A -5V REGULATOR
U17022	3215-0000-000	IC,74F00 QUAD 2-INPUT NAND
U17023	3222-0733-000	IC,LM733 DIFF AMP 120MHZ BW
U17024	3214-9412-301	IC,74HCT123 DUAL RETRIG 1SHOT*
U17025	3224-0008-000	IC,5V 3-TERM REG TO-92



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PCB ASSY, VIDEO (cont)

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
U17026	3223-0308-000	IC, PRECISION OP AMP
U17027	3223-0308-000	IC, PRECISION OP AMP
U17028	3223-0308-000	IC, PRECISION OP AMP
U17029	3223-0308-000	IC, PRECISION OP AMP
U17030	3130-0000-037	IC,9686 TTL LATCH COMPARATOR
U17031	3224-0008-000	IC,5V 3-TERM REG TO-92



7010-9030-700

PCB ASSY, BUFFER AMP

B1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9020-700	PC BD, BUFFER AMP
2	2508-9052-000	SHEILD, BUFFER AMP
5	6010-0125-100	TUBING,HS, 1/8 ID,CLEAR
6	6008-3000-003	WIRE,UL1213,22GA,7X30,RED
C56001	1622-0220-001	CAP,22PF,100V,5%,1206,NPO
C56002	1622-0220-001	CAP,22PF,100V,5%,1206,NPO
C56003	1622-0182-001	CAP,1800pF,50V,CHIP
J56001	2123-0000-054	CONN,RF SUB,SMA,PCB RTANG JACK
J56002	2123-0000-072	CONN,PLUG SMA PCM STR
L56001	1801-0108-001	IND, .10UH,.08OHM,1025-94
R56001	4722-3010-001	RES,301,1/8W,1%
R56002	4722-1829-001	RES,18.2,1/8W,1%
R56003	4722-3010-001	RES,301,1/8W,1%
R56004	4722-1509-001	RES,15,1/8W,1%
R56005	4749-0201-005	POT,SMD, TOP ADJ 200 OHM
R56006	4722-1509-001	RES,15,1/8W,1%
R56007	4722-5119-001	RES,51.1,1/8W,1%
R56008	4721-0181-002	RES,180,1/4W,5%,CHIP
R56009	4722-3929-001	RES,39.2,1/8W,1%
U56001	5050-2501-300	IC,MSA-0385,AMPLIFIER



7005-9041-200

ASSY, VCO

C1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	2100-4954-800	BLOCK,VCO BASE
2	2840-7600-208	WASHER,ALUM,.38OD,.250ID,.020T
3	6042-4986-100	COAX ASSY .086 SR SPLTR TO AMP
4	6042-4986-200	COAX ASSY.086 SR AMP DIODE SW
6	1700-4922-400	PC BD,VCO/SPLITTER
7	1700-4922-600	PC BD,CTR DIODE SW/DIPLEXER
8	1700-4922-500	PC BD,PWR AMP
9	2804-0625-006	SCREW,6-32 X 5/8 PPHM
10	1414-4955-000	COVER,VCO/SPLITTER
11	2803-0625-006	SCREW,4-40 X 5/8 PPHM
12	1414-4954-900	COVER,CONTOUR DIODE SWITCH
13	1414-4955-100	COVER,POWER AMP
14	7010-4933-200	PCB ASSY, AGC
15	2850-3851-600	SCREW,.300L4-40.19HH,6-32X.700
16	2803-0250-006	SCREW,4-40 X 1/4 PPHM
17	2109-0000-007	CLAMP CABLE TYRAP TY34M.8
18	2804-0313-006	SCREW 6-32X5/16 PHIL BIND HD
19	2840-0000-006	WASHER,FLAT,ID.160OD.306TK.039
20	2114-0000-022	CONTACT,DCANT,CRIMP,22-30,GOLD
21	2127-9900-100	KEY,POLARIZIN,MOLEX 15-04-9209
22	6004-6005-400	TY-RAP,4.0 LG
23	1050-0000-075	WIRE,BUS,TINNED COPPER,26GA
24	2804-0188-006	SCREW 6-32X3/16 PHIL BIND HD
25	1400-9051-800	BRACKET,FM/TUNE
26	6011-0018-001	TUBING,TF,26 AWG,NATURAL,TW
	2850-0000-106	SCREW,.875L6-32.25HH,6-32X.250
	6008-1000-001	WIRE,UL1213,26GA,7X34,BLK
	6008-1000-002	WIRE,UL1213,26GA,7X34,BRN
	6008-1000-003	WIRE,UL1213,26GA,7X34,RED
	6008-1000-006	WIRE,UL1213,26GA,7X34,GRN
	6008-1000-007	WIRE,UL1213,26GA,7X34,BLU
	6008-1000-008	WIRE,UL1213,26GA,7X34,VIO
	6008-1000-009	WIRE,UL1213,26GA,7X34,GRY
	6008-1000-010	WIRE,UL1213,26GA,7X34,WHT
	6008-1000-012	WIRE,UL1213,26GA,7X34,WHT/BRN
	6008-1000-013	WIRE,UL1213,26GA,7X34,WHT/RED
	6008-1000-014	WIRE,UL1213,26GA,7X34,WHT/ORN
	6008-1000-015	WIRE,UL1213,26GA,7X34,WHT/YEL
C44001	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44002	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44003	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44004	1506-0030-017	CAP,3.3pF,100V,MICA,17
C44005	1506-0030-017	CAP,3.3pF,100V,MICA,17
C44007	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44008	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44009	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44011	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C44012	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C45001	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C45002	1523-0000-005	CAP,10pF,50V,NPO,CHIP
C45003	1506-0030-017	CAP,3.3pF,100V,MICA,17



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ASSY, VCO (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C45004	1620-2090-510	CAP,2pF,200V,CHIP,NPO
C45005	1620-2090-510	CAP,2pF,200V,CHIP,NPO
C45006	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C45007	1620-2090-510	CAP,2pF,200V,CHIP,NPO
C45008	1620-2090-510	CAP,2pF,200V,CHIP,NPO
C45009	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C45010	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C45011	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C45012	1620-2090-510	CAP,2pF,200V,CHIP,NPO
C45013	1622-0030-001	CAP,3pF,50V,CHIP
C46001	1506-0101-017	CAP,100pF,100V,5%,NPO
C46002	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C46003	1620-1090-511	CAP,1pF,50V,CHIP
C46004	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C46005	1620-1090-511	CAP,1pF,50V,CHIP
C46006	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46007	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C46009	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46010	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46011	1622-0030-001	CAP,3pF,50V,CHIP
C46012	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46013	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C46014	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46015	1506-0220-017	CAP,22PF,100V,5%,NPO
C46016	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46017	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46018	1506-0030-017	CAP,3.3pF,100V,MICA,17
C46019	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46020	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C46021	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C46022	1506-0220-017	CAP,22PF,100V,5%,NPO
C46023	1506-0020-017	CAP,2.2pF,100V,NPO,25
C46025	1620-2090-510	CAP,2pF,200V,CHIP,NPO
C48001	1580-4792-305	CAP,4.7UF,35V
C48002	1580-1000-200	CAP,10UF,25V,ELE,RDL
CR44003	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44004	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44005	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44006	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44007	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44008	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44009	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44010	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44011	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44012	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44013	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44014	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44015	4915-0500-100	DIODE,MA-4E282,S BAR 30VBR
CR44016	4915-0500-100	DIODE,MA-4E282,S BAR 30VBR
CR44017	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR44018	4828-0000-002	DIODE,PIN,.3 PF,100 NS



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ASSY, VCO (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
CR44019	4915-0500-100	DIODE,MA-4E282,S BAR 30VBR
CR45001	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR45002	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR45003	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR46001	4829-0000-001	DIODE,MA-45102 ,VARC,1.2PF/-4V
FL48001	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48002	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48003	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48004	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48005	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48006	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48007	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48008	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48009	1526-0000-006	CAP,100pF,200V,FEEDTHRU
FL48011	1526-0000-006	CAP,100pF,200V,FEEDTHRU
FL48012	1526-0000-006	CAP,100pF,200V,FEEDTHRU
FL48013	1526-0000-006	CAP,100pF,200V,FEEDTHRU
FL48014	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48015	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48016	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48017	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL48018	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
GL48002	2850-0000-041	LUG,GND,8
GL48003	2850-0000-010	LUG,GND,10
J48001	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48002	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48004	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48005	2123-0000-038	CONN,M SMB,W/TERM,STR BULKHD
J48007	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48008	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48010	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48011	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J48012	2123-0000-038	CONN,M SMB,W/TERM,STR BULKHD
L44001	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44002	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44003	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44004	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44005	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44006	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44007	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44008	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44009	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44010	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44011	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44012	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44013	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L44014	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L45001	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L45002	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L45003	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L45004	1806-0108-002	IND, .1 UH,.13OHM,0819-00



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ASSY, VCO (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
L45005	1801-0000-007	IND, .068 UH, .060 OHM
L46002	1806-0108-002	IND, .1 UH, .13OHM,0819-00
L46003	1806-0108-002	IND, .1 UH, .13OHM,0819-00
L46004	1806-0108-002	IND, .1 UH, .13OHM,0819-00
L46005	1806-0108-002	IND, .1 UH, .13OHM,0819-00
L46006	1806-0108-002	IND, .1 UH, .13OHM,0819-00
P47001	2115-0000-014	CONN PLASTIC MOLEX 22-01-2151
Q45001	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q45002	4803-0000-004	TRANS,NPN,LP/VHF AMP
Q45003	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q45004	5010-0503-000	TRANS,MRF1000MB,NPN PWR HF AMP
Q46001	4803-0000-008	TRANS,NPN MRF911
Q46002	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q46006	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
R44001	4701-0101-003	RES,100,1/8W,5%
R44003	4701-0101-003	RES,100,1/8W,5%
R44004	4722-5119-001	RES,51.1,1/8W,1%
R44005	4701-0560-003	RES,56,1/8W,5%
R44006	4701-0471-003	RES,470,1/8W,5%
R44007	4701-0569-002	RES,5.6,1/8W,5%
R44008	4701-0471-003	RES,470,1/8W,5%
R44009	4701-0560-003	RES,56,1/8W,5%
R44010	4701-0470-003	RES,47,1/8W,5%
R44011	4701-0101-003	RES,100,1/8W,5%
R44012	4701-0101-003	RES,100,1/8W,5%
R44013	4722-5119-001	RES,51.1,1/8W,1%
R44014	4701-0470-003	RES,47,1/8W,5%
R44015	4701-0470-003	RES,47,1/8W,5%
R44016	4701-0221-003	RES,220,1/8W,5%
R44017	4722-5119-001	RES,51.1,1/8W,1%
R44018	4701-0820-003	RES,82,1/8W,5%
R44019	4701-0221-003	RES,220,1/8W,5%
R44020	4722-5119-001	RES,51.1,1/8W,1%
R44021	4722-5119-001	RES,51.1,1/8W,1%
R44022	4701-0820-003	RES,82,1/8W,5%
R45004	4701-0330-003	RES,33,1/8W,5%
R45005	4701-0333-003	RES,33K,1/8W,5%
R45006	4702-0391-003	RES,390,1/4W,5%
R45007	4701-0101-003	RES,100,1/8W,5%
R45009	4701-0101-003	RES,100,1/8W,5%
R45010	4701-0183-003	RES,18K,1/8W,5%
R45011	4702-0221-003	RES,220,1/4W,5%
R45012	4701-0682-003	RES,6.8K,1/8W,5%
R45013	4701-0152-003	RES,1.5K,1/8W,5%
R45014	4701-0331-003	RES,330,1/8W,5%
R45015	4702-0479-003	RES,4.7,1/4W,5%
R46001	4701-0471-003	RES,470,1/8W,5%
R46002	4701-0470-003	RES,47,1/8W,5%
R46003	4701-0272-003	RES,2.7K,1/8W,5%
R46004	4701-0272-003	RES,2.7K,1/8W,5%
R46005	4702-0331-003	RES,330,1/4W,5%



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ASSY, VCO (cont)

C1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R46006	4701-0820-003	RES,82,1/8W,5%
R46007	4701-0223-003	RES,22K,1/8W,5%
R46008	4706-1000-001	RES,100,1/4W,1%
R46009	4701-0391-003	RES,390,1/8W,5%
R46010	4701-0330-003	RES,33,1/8W,5%
R46013	4701-0470-003	RES,47,1/8W,5%
R46014	4701-0470-003	RES,47,1/8W,5%
R46016	4702-0221-003	RES,220,1/4W,5%
R46018	4702-0181-003	RES,180,1/4W,5%
R46019	4701-0470-003	RES,47,1/8W,5%
R46020	4701-0393-003	RES,39K,1/8W,5%
R46021	4701-0471-003	RES,470,1/8W,5%
R46022	4701-0470-003	RES,47,1/8W,5%
R46023	4701-0820-003	RES,82,1/8W,5%
R46025	4702-0181-003	RES,180,1/4W,5%
R46026	4701-0470-003	RES,47,1/8W,5%
R46027	4701-0101-003	RES,100,1/8W,5%
R48001	4702-0221-003	RES,220,1/4W,5%
R48002	4702-0510-002	RES,51,1/4W,5%
U46001	5050-2501-100	IC,MSA-0335-22,IC AMP
U46002	5050-2501-100	IC,MSA-0335-22,IC AMP
U46003	5050-2501-300	IC,MSA-0385,AMPLIFIER
U46004	5051-0000-200	IC, INA-10386 MMIC AMP



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PCB ASSY, AGC

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-4923-200	PC BD, AGC
2	2803-0313-006	SCREW,4-40 X 5/16 PPHM
3	2840-0000-009	WASHER,FLAT,4,MS15795-803
4	2850-0000-020	NUT,HEX,SMALL PAT,4-40
5	1050-0000-074	WIRE,BUS,TINNED COPPER,24GA
6	2400-7856-800	LABEL,ESD
C47004	1580-1000-200	CAP,10UF,25V,ELE,RDL
C47005	1502-0333-006	CAP,0.033UF,50V,5%,PC
C47010	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C47011	1508-0157-020	CAP,150UF,15V,TANT,RDL
C47012	1507-0105-018	CAP,1UF,35V,20%,TANT
C47013	1506-0151-017	CAP,150pF,100V,5%,NPO
C47014	1605-3360-475	CAP,30UF,16V,TANT,RDL
C47015	1605-3360-475	CAP,30UF,16V,TANT,RDL
C47016	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C47017	1508-0476-018	CAP,47UF,35V,TANT,RDL
C47018	1502-0104-010	CAP,0.1UF,50V,5%,PC
C47019	1605-3360-475	CAP,30UF,16V,TANT,RDL
C47020	1605-3360-475	CAP,30UF,16V,TANT,RDL
C47021	1502-0104-010	CAP,0.1UF,50V,5%,PC
C47022	1508-0476-018	CAP,47UF,35V,TANT,RDL
C47023	1507-0105-018	CAP,1UF,35V,20%,TANT
C47024	1507-0105-018	CAP,1UF,35V,20%,TANT
C47025	1580-4792-305	CAP,4.7UF,35V
C47026	1580-4792-305	CAP,4.7UF,35V
C47027	1580-4792-305	CAP,4.7UF,35V
C47028	1580-4792-305	CAP,4.7UF,35V
C47029	1506-0102-017	CAP,1000pF,100V,5%,NPO
C47032	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C47033	1506-0272-017	CAP,2700pF,100V,NPO
C47034	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C47035	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C49030	1506-0102-017	CAP,1000pF,100V,5%,NPO
C49031	1506-0102-017	CAP,1000pF,100V,5%,NPO
CR47001	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR47002	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR47003	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR47004	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR47005	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR47006	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR47007	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
J47001	2115-0000-050	WAFER,PCB,.100C,STR,15-P
J47002	2115-0000-050	WAFER,PCB,.100C,STR,15-P
J47003	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J47004	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
Q47001	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q47002	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q47003	4801-0000-001	TRANSISTOR NPN HS SW
Q47004	4805-0000-001	TRANS,2N2907A,PNP HS SW (3251)
Q47005	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q47006	4811-0000-001	TRANS,SJE1461 ,NPN PWR AMP



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PCB ASSY, AGC (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
Q47007	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q47008	4811-0000-001	TRANS,SJE1461 ,NPN PWR AMP
Q47009	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q47010	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q47011	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q47012	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q47013	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q47014	5050-2601-000	TRANS,SF-90038,FETSELECTED
R47001	4752-0502-002	POT 5K OHM
R47002	4752-0502-002	POT 5K OHM
R47003	4752-0104-002	POT 100K OHM
R47004	4701-0224-003	RES,220K,1/8W,5%
R47005	4701-0821-003	RES,820,1/8W,5%
R47008	4701-0394-003	RES,390K,1/8W,5%
R47009	4701-0183-003	RES,18K,1/8W,5%
R47011	4701-0103-003	RES,10K,1/8W,5%
R47012	4701-0104-003	RES,100K,1/8W,5%
R47013	4701-0102-003	RES,1.0K,1/8W,5%
R47021	4702-0103-003	RES,10K,1/4W,5%
R47022	4702-0222-003	RES,2.2K,1/4W,5%
R47023	4701-0104-003	RES,100K,1/8W,5%
R47024	4701-0103-003	RES,10K,1/8W,5%
R47025	4701-0102-003	RES,1.0K,1/8W,5%
R47026	4701-0222-003	RES,2.2K,1/8W,5%
R47027	4701-0222-003	RES,2.2K,1/8W,5%
R47028	4701-0153-003	RES,15K,1/8W,5%
R47029	4701-0153-003	RES,15K,1/8W,5%
R47031	4706-1002-001	RES,10.0K,1/4W,1%
R47032	4706-1002-001	RES,10.0K,1/4W,1%
R47033	4706-1002-001	RES,10.0K,1/4W,1%
R47034	4702-0153-003	RES,15K,1/4W,5%
R47035	4752-0203-002	POT 20K OHM
R47036	4706-8251-001	RES,8.25K,1/4W,1%
R47037	4752-0503-002	POT 50K OHM
R47038	4702-0103-003	RES,10K,1/4W,5%
R47039	4752-0103-002	POT 10K OHM
R47040	4702-0273-003	RES,27K,1/4W,5%
R47041	4702-0471-003	RES,470,1/4W,5%
R47042	4702-0153-003	RES,15K,1/4W,5%
R47043	4702-0332-003	RES,3.3K,1/4W,5%
R47044	4752-0103-002	POT 10K OHM
R47045	4702-0103-003	RES,10K,1/4W,5%
R47046	4702-0472-003	RES,4.7K,1/4W,5%
R47047	4702-0103-003	RES,10K,1/4W,5%
R47048	4702-0472-003	RES,4.7K,1/4W,5%
R47049	4702-0563-003	RES,56K,1/4W,5%
R47050	4702-0223-003	RES,22K,1/4W,5%
R47051	4702-0563-003	RES,56K,1/4W,5%
R47052	4701-0682-003	RES,6.8K,1/8W,5%
R47053	4701-0392-003	RES,3.9K,1/8W,5%
R47054	4701-0222-003	RES,2.2K,1/8W,5%



7010-4933-200

PCB ASSY, AGC (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R47055	4701-0822-003	RES,8.2K,1/8W,5%
R47056	4702-0470-003	RES,47,1/4W,5%
R47057	4702-0470-003	RES,47,1/4W,5%
R47058	4702-0100-003	RES,10,1/4W,5%
R47059	4702-0100-003	RES,10,1/4W,5%
R47060	4701-0102-003	RES,1.0K,1/8W,5%
R47061	4701-0561-003	RES,560,1/8W,5%
R47062	4701-0104-003	RES,100K,1/8W,5%
R47063	4701-0104-003	RES,100K,1/8W,5%
R47064	4701-0104-003	RES,100K,1/8W,5%
R47065	4752-0102-002	POT 1K OHM
R47066	4701-0472-003	RES,4.7K,1/8W,5%
R47067	4701-0472-003	RES,4.7K,1/8W,5%
R47068	4701-0103-003	RES,10K,1/8W,5%
U47001	3135-0000-054	IC,412,DUAL J-FET OP AMP
U47003	3133-0000-006	IC,4049UB,HEX BUFFER/CONVERTER
U47004	3214-9000-000	IC,74HC00,HS CMOS,4*2-INP NAND
U47005	3214-9244-000	IC,74HC244,OCTAL BUF/DRVR/RCVR
U47006	3130-0000-034	IC 741C PLASTIC DIP OP-AMP
U47007	3130-0000-034	IC 741C PLASTIC DIP OP-AMP



7005-4940-900

ASSY, MAIN DIODE SWITCH

K

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1414-4950-900	COVER,BOTTOM,MAIN DIODE SWITCH
2	7010-4930-000	PCB ASSY,MAIN DIODE SWITCH
3	1414-4950-800	COVER, TOP,MAIN DIODE SWITCH
4	2804-0625-006	SCREW,6-32 X 5/8 PPHM
6	2803-0438-003	SCREW 4-40 X 7/16 PFHMS
7	2850-0000-014	LUG,GND,4
8	2803-0188-006	SCREW,4-40 X 3/16 PPHM
C37001	1506-0680-017	CAP,68pF,100V,5%,NPO
C37002	1506-0680-017	CAP,68pF,100V,5%,NPO
FL37001	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL37002	1526-0000-005	CAP,10pF,200V,FEEDTHRU
J37001	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
J37002	2123-0000-030	CONN,FSMA,W/TERM,STR BULKHEAD*
L37001	1801-0338-001	IND, .33UH,.2 OHM,1025-08

7005-4940-900

ASSY, MAIN DIODE SWITCH

K1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
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Contains all of the items in Rev. K except the following:

7	2850-0000-014	LUG,GND,4
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Contains all of the items in Rev. K plus the following:

GL37001	2850-0000-014	LUG,GND,4
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7010-4930-000

PCB ASSY, MAIN DIODE SWITCH

D

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-4920-000	PC BD,MAIN DIODE SWITCH
C39001	1506-0100-017	CAP,10pF,100V,5%,NPO
C39002	1506-0100-017	CAP,10pF,100V,5%,NPO
C39003	1523-0000-004	CAP,47pF,50V,NPO,CHIP
C39004	1523-0000-004	CAP,47pF,50V,NPO,CHIP
CR39001	4915-0501-200	DIODE,S BAR,5082-2209
CR39002	4915-0501-200	DIODE,S BAR,5082-2209
CR39003	4915-0501-200	DIODE,S BAR,5082-2209
CR39004	4915-0501-200	DIODE,S BAR,5082-2209
CR39005	4915-0501-200	DIODE,S BAR,5082-2209
CR39006	4915-0501-200	DIODE,S BAR,5082-2209
L39001	1801-0108-001	IND, .10UH,.08OHM,1025-94
L39002	1801-0108-001	IND, .10UH,.08OHM,1025-94
L39004	1801-0108-001	IND, .10UH,.08OHM,1025-94
L39005	1801-0108-001	IND, .10UH,.08OHM,1025-94
L39006	1801-0688-001	IND, .68UH,.6 OHM,1025-16
R39001	4701-0121-003	RES,120,1/8W,5%
R39002	4701-0101-003	RES,100,1/8W,5%
R39003	4701-0101-003	RES,100,1/8W,5%
R39004	4701-0121-003	RES,120,1/8W,5%
R39005	4702-0151-003	RES,150,1/4W,5%
R39006	4701-0221-003	RES,220,1/8W,5%
R39007	4701-0220-003	RES,22,1/8W,5%
R39008	4701-0221-003	RES,220,1/8W,5%
U39001	5050-2501-100	IC,MSA-0335-22,IC AMP

7010-4930-000

PCB ASSY, MAIN DIODE SWITCH

E

The following part numbers have been changed:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
CR39001	4816-0000-072	DIODE,S BAR,5082-2209
CR39002	4816-0000-072	DIODE,S BAR,5082-2209
CR39003	4816-0000-072	DIODE,S BAR,5082-2209
CR39004	4816-0000-072	DIODE,S BAR,5082-2209
CR39005	4816-0000-072	DIODE,S BAR,5082-2209
CR39006	4816-0000-072	DIODE,S BAR,5082-2209



7010-4931-400

PCB ASSY, IF MKR/OSC

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1400-2516-400	BRACKET MOUNTING
2	1700-2507-100	PC BD, IF MARKER OSCILLATOR
3	2109-0000-007	CLAMP CABLE TYRAP TY34M.8
4	2114-9001-001	CONTACT PIN26-22GA.SYM001T0.6*
6	2506-2515-600	PLATE MOUNTING
8	2850-0000-020	NUT,HEX,SMALL PAT,4-40
9	2803-0313-006	SCREW,4-40 X 5/16 PPHM
11	2840-0000-003	WASHER,LOCK,INT TOOTH,4
18	2840-0000-008	WASHER,FLAT,4,AN960-C4
19	6004-6005-400	TY-RAP,4.0 LG
20	2813-0000-005	TERM,INSUL,STANDOFF,.148DIA
22	2803-0250-006	SCREW,4-40 X 1/4 PPHM
	6008-1000-001	WIRE,UL1213,26GA,7X34,BLK
	6008-1000-003	WIRE,UL1213,26GA,7X34,RED
	6008-1000-005	WIRE,UL1213,26GA,7X34,YEL
	6008-1000-007	WIRE,UL1213,26GA,7X34,BLU
	6008-1000-009	WIRE,UL1213,26GA,7X34,GRY
	6008-1000-010	WIRE,UL1213,26GA,7X34,WHT
C33001	1507-0156-021	CAP,15UF,20V,20%,TANT
C33002	1507-0156-021	CAP,15UF,20V,20%,TANT
C33003	1506-0330-017	CAP,33pF,100V,5%,NPO
C33004	1506-0221-017	CAP,220pF,100V,5%,NPO
C33005	1506-0150-017	CAP,15pF,100V,5%,NPO
C33006	1506-0150-017	CAP,15pF,100V,5%,NPO
C33007	1506-0150-017	CAP,15pF,100V,5%,NPO
C33008	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33009	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33010	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33011	1506-0100-017	CAP,10pF,100V,5%,NPO
C33012	1506-0220-017	CAP,22PF,100V,5%,NPO
C33013	1506-0220-017	CAP,22PF,100V,5%,NPO
C33014	1506-0100-017	CAP,10pF,100V,5%,NPO
C33015	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33016	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33017	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33018	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33019	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33020	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33021	1506-0221-017	CAP,220pF,100V,5%,NPO
C33022	1506-0220-017	CAP,22PF,100V,5%,NPO
C33023	1506-0150-017	CAP,15pF,100V,5%,NPO
C33024	1506-0100-017	CAP,10pF,100V,5%,NPO
C33025	1506-0100-017	CAP,10pF,100V,5%,NPO
C33026	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33027	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33028	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33029	1508-0476-018	CAP,47UF,35V,TANT,RDL
C33030	1507-0104-018	CAP,0.1UF,35V,20%,TANT
C33031	1508-0336-023	CAP,30UF,10V,TANT,RDL
C33032	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33033	1507-0104-018	CAP,0.1UF,35V,20%,TANT



7010-4931-400

PCB ASSY, IF MKR/OSC (cont)

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C33034	1521-0000-002	CAP VAR,5.5-18pF,350V,VPCM
C33035	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33036	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33037	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33038	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33039	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C33040	1507-0105-018	CAP,1UF,35V,20%,TANT
C33041	1507-0105-018	CAP,1UF,35V,20%,TANT
C33042	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C33043	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C33044	1501-0339-001	CAP,3.3pF,600V,NPO,DISC
C33045	1622-0020-001	CAP,2pF,50V,CHIP
CR33001	4826-0000-002	DIODE,PC0605D ,VARC, 47PF/-4V
CR33002	4826-0000-011	DIODE,MMBV105G,VARC,2.3PF/-3V
CR33003	4814-0000-001	DIODE, 1N823A ,REF,6.2V/7.5MA
CR33004	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR33005	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR33006	4828-0000-002	DIODE,PIN,.3 PF,100 NS
FL33001	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL33002	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL33003	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL33004	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL33005	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
G33001	2850-0000-031	LUG,GND,4
J33001	6042-0016-704	COAX ASSY,086,IF/MARKER OSC BD
J33002	6042-4983-500	COAX ASSY,SR.086,IF MRKER .10L
J33003	2115-9001-008	CONN,RECT.098 RCPT 8-P,SMR08VB
J33004	6042-0016-701	COAX ASSY,086,IF/MARKER OSC BD
J33005	6042-0016-709	COAX ASSY,086,IF/MARKER OSC BD
L33001	1804-0000-010	IND,VAR, .061-.101UH,YEL 618
L33002	1801-0022-001	IND, 22uH 3.3 OHM 1025-52
L33003	1801-0108-001	IND, .10UH,.08OHM,1025-94
L33004	1801-0022-001	IND, 22uH 3.3 OHM 1025-52
L33005	1801-0478-001	IND, .47UH,.35OHM,1025-12
L33006	1801-0478-001	IND, .47UH,.35OHM,1025-12
L33007	1801-0478-001	IND, .47UH,.35OHM,1025-12
L33008	1804-0001-000	IND,VAR, .099-.184UH, BLUE 6.5
L33009	1801-0022-001	IND, 22uH 3.3 OHM 1025-52
L33010	1801-0108-001	IND, .10UH,.08OHM,1025-94
L33011	1801-0108-001	IND, .10UH,.08OHM,1025-94
Q33001	4809-0100-100	TRANS,55100 NPN HF AMP
Q33002	4813-0000-001	TRANS, 3N201 ,N-CH MOSFET
Q33003	4809-0100-100	TRANS,55100 NPN HF AMP
Q33004	4809-0100-100	TRANS,55100 NPN HF AMP
Q33005	4809-0100-100	TRANS,55100 NPN HF AMP
Q33006	4809-0100-200	TRANS,55100-SGS NPN
Q33007	4801-0000-001	TRANSISTOR NPN HS SW
Q33008	4809-0100-100	TRANS,55100 NPN HF AMP
Q33009	4809-0100-100	TRANS,55100 NPN HF AMP
R33001	4702-0223-003	RES,22K,1/4W,5%
R33002	4702-0223-003	RES,22K,1/4W,5%



7010-4931-400

PCB ASSY, IF MKR/OSC (cont)

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R33003	4702-0223-003	RES,22K,1/4W,5%
R33004	4702-0223-003	RES,22K,1/4W,5%
R33005	4702-0102-003	RES,1.0K,1/4W,5%
R33006	4702-0680-003	RES,68,1/4W,5%
R33007	4702-0101-003	RES,100,1/4W,5%
R33008	4706-3161-001	RES,3.16K,1/4W,1%
R33009	4702-0181-003	RES,180,1/4W,5%
R33010	4702-0471-003	RES,470,1/4W,5%
R33011	4702-0122-003	RES,1.2K,1/4W,5%
R33012	4702-0182-003	RES,1.8K,1/4W,5%
R33013	4702-0121-003	RES,120,1/4W,5%
R33014	4702-0101-003	RES,100,1/4W,5%
R33015	4702-0221-003	RES,220,1/4W,5%
R33016	4702-0101-003	RES,100,1/4W,5%
R33017	4702-0221-003	RES,220,1/4W,5%
R33018	4701-0223-003	RES,22K,1/8W,5%
R33019	4702-0223-003	RES,22K,1/4W,5%
R33020	4702-0102-003	RES,1.0K,1/4W,5%
R33021	4702-0680-003	RES,68,1/4W,5%
R33022	4702-0474-003	RES,470K,1/4W,5%
R33023	4702-0683-003	RES,68K,1/4W,5%
R33024	4752-0103-002	POT 10K OHM
R33025	4702-0103-003	RES,10K,1/4W,5%
R33026	4702-0102-003	RES,1.0K,1/4W,5%
R33027	4702-0331-003	RES,330,1/4W,5%
R33028	4702-0472-003	RES,4.7K,1/4W,5%
R33029	4702-0279-003	RES,2.7,1/4W,5%
R33030	4702-0103-003	RES,10K,1/4W,5%
R33031	4702-0681-003	RES,680,1/4W,5%
R33032	4702-0222-003	RES,2.2K,1/4W,5%
R33033	4702-0473-003	RES,47K,1/4W,5%
R33034	4702-0102-003	RES,1.0K,1/4W,5%
R33035	4702-0222-003	RES,2.2K,1/4W,5%
R33036 SAT	4702-0822-003	RES,8.2K,1/4W,5%
R33037	4702-0683-003	RES,68K,1/4W,5%
R33038	4702-0331-003	RES,330,1/4W,5%
R33039	4702-0221-003	RES,220,1/4W,5%
R33040	4702-0333-003	RES,33K,1/4W,5%
R33041	4702-0561-003	RES,560,1/4W,5%
R33042	4722-6819-001	RES,68.1,1/8W,1%
U33001	3134-0000-011	IC,7908C,1.5A -8V REGULATOR
U33002	3134-0000-004	IC,1658,VC MULTIVIBRATOR



7010-4931-500

PCB ASSY, IF GEN PWR AMP

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	2506-2515-400	PLATE MOUNTING
2	1400-2516-400	BRACKET MOUNTING
3	2109-0000-007	CLAMP CABLE TYRAP TY34M.8
4	2850-0000-031	LUG,GND,4
5	2801-0125-001	SCREW 2-56 X 1/8 SHSS
6	2803-0250-006	SCREW,4-40 X 1/4 PPHM
7	2803-0313-006	SCREW,4-40 X 5/16 PPHM
9	2114-9001-001	CONTACT PIN26-22GA.SYM001T0.6*
10	1700-2507-000	PC BD, IF GENERATOR PWR
13	5400-0000-002	HEAT SINK,TO-5 TRANS
14	2501-7600-118	SPACER,BR,.312OD,.203ID,.125LG
15	2840-0000-008	WASHER,FLAT,4,AN960-C4
16	6004-6005-400	TY-RAP,4.0 LG
	6008-1000-001	WIRE,UL1213,26GA,7X34,BLK
	6008-1000-003	WIRE,UL1213,26GA,7X34,RED
	6008-1000-005	WIRE,UL1213,26GA,7X34,YEL
	6008-1000-008	WIRE,UL1213,26GA,7X34,VIO
	6008-1000-010	WIRE,UL1213,26GA,7X34,WHT
	6008-1000-018	WIRE,UL1213,26GA,7X34,WHT/VIO
C36001	1501-0331-001	CAP,330pF,1000V,10%,CER,DISC
C36002	1501-0331-001	CAP,330pF,1000V,10%,CER,DISC
C36003	1501-0221-001	CAP,220pF,1000V,10%,DISC
C36004	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36005	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36006	1501-0331-001	CAP,330pF,1000V,10%,CER,DISC
C36007	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C36008	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36009	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36010	1506-0271-017	CAP,270pF,100V,5%,NPO
C36011	1506-0271-017	CAP,270pF,100V,5%,NPO
C36012	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C36013	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36014	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36015	1501-0102-001	CAP,1000pF,500V,CERAMIC,DISC
C36016	1507-0105-018	CAP,1UF,35V,20%,TANT
C36017	1502-0334-012	CAP,0.33UF,50V,5%,MPC
C36018	1501-0680-001	CAP,68pF,1000V,10%,CER,DISC
C36019	1501-0221-001	CAP,220pF,1000V,10%,DISC
C36020	1507-0475-018	CAP,4.7UF,35V,20%,TANT
C36021	1507-0475-018	CAP,4.7UF,35V,20%,TANT
C36022	1507-0475-018	CAP,4.7UF,35V,20%,TANT
C36023	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C36024	1501-0560-001	CAP,56pF,1000V,10%,DISC
CR36001	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR36002	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR36003	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR36004	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR36005	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR36006	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR36007	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR36008	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR



7010-4931-500

PCB ASSY, IF GEN PWR AMP (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
CR36009	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
FL36001	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL36002	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL36003	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL36004	5801-0000-006	PI FILTER,EMI/RFI 1500pF 8-32*
FL36005	1526-0000-002	CAP,47pF,500V,FEEDTHRU
J36001	2115-9001-008	CONN,RECT.098 RCPT 8-P,SMR08VB
J36002	6042-0016-706	COAX ASSY,086,IF GEN/AMP BD
J36003	6042-0016-706	COAX ASSY,086,IF GEN/AMP BD
L36001	1801-0689-001	IND, 6.8 UH, 2 OHM,1025-40
L36002	1801-0022-001	IND, 22uH 3.3 OHM 1025-52
L36003	1801-0689-001	IND, 6.8 UH, 2 OHM,1025-40
L36004	1801-0689-001	IND, 6.8 UH, 2 OHM,1025-40
L36005	1801-0338-001	IND, .33UH,.2 OHM,1025-08
L36006	1801-0015-001	IND, 15 UH,2.8OHM,1025-48
L36007	1801-0015-001	IND, 15 UH,2.8OHM,1025-48
L36008	1801-0015-001	IND, 15 UH,2.8OHM,1025-48
L36009	1801-0015-001	IND, 15 UH,2.8OHM,1025-48
Q36001	4809-0001-005	TRANS,66382,NPN,HF AMP
Q36002	4809-0001-005	TRANS,66382,NPN,HF AMP
Q36003	4803-0000-003	TRANS, 2N5109 ,NPN PWR HF AMP
Q36004	4805-0000-001	TRANS,2N2907A,PNP HS SW (3251)
Q36005	4805-0000-001	TRANS,2N2907A,PNP HS SW (3251)
Q36006	4805-0000-001	TRANS,2N2907A,PNP HS SW (3251)
Q36007	4805-0000-003	TRANS, 2N3646 ,NPN HS SW
Q36008	4805-0000-003	TRANS, 2N3646 ,NPN HS SW
Q36009	4805-0000-003	TRANS, 2N3646 ,NPN HS SW
R36001	4702-0101-003	RES,100,1/4W,5%
R36002	4702-0181-003	RES,180,1/4W,5%
R36003	4702-0151-003	RES,150,1/4W,5%
R36004	4702-0331-003	RES,330,1/4W,5%
R36005	4702-0473-003	RES,47K,1/4W,5%
R36006	4702-0101-003	RES,100,1/4W,5%
R36007	4702-0270-003	RES,27,1/4W,5%
R36008	4702-0122-003	RES,1.2K,1/4W,5%
R36009	4702-0681-003	RES,680,1/4W,5%
R36010	4709-0101-003	RES,100,5W,5%,WW
R36011	4702-0681-003	RES,680,1/4W,5%
R36012	4702-0681-003	RES,680,1/4W,5%
R36013	4706-4129-001	RES,41.2,1/4W,1%
R36014	4706-1009-001	RES,10,1/4W,1%
R36015	4706-8259-001	RES,82.5,1/4W,1%
R36016	4706-4129-001	RES,41.2,1/4W,1%
R36017	4706-1009-001	RES,10,1/4W,1%
R36018	4702-0102-003	RES,1.0K,1/4W,5%
R36019	4702-0392-003	RES,3.9K,1/4W,5%
R36020	4702-0222-003	RES,2.2K,1/4W,5%
R36021	4702-0822-003	RES,8.2K,1/4W,5%
R36022	4702-0182-003	RES,1.8K,1/4W,5%
R36023	4753-0202-002	POT, 2K OHM
R36024	4702-0103-003	RES,10K,1/4W,5%



7010-4931-500

PCB ASSY, IF GEN PWR AMP (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R36025	4702-0472-003	RES,4.7K,1/4W,5%
R36026	4702-0222-003	RES,2.2K,1/4W,5%
R36027	4702-0101-003	RES,100,1/4W,5%
R36028	4702-0272-003	RES,2.7K,1/4W,5%
R36029	4702-0222-003	RES,2.2K,1/4W,5%
R36030	4702-0102-003	RES,1.0K,1/4W,5%
R36031	4702-0221-003	RES,220,1/4W,5%
R36032	4702-0152-003	RES,1.5K,1/4W,5%
R36033	4702-0472-003	RES,4.7K,1/4W,5%
R36034	4701-0103-003	RES,10K,1/8W,5%
R36035	4702-0391-003	RES,390,1/4W,5%
U36001	3133-0000-014	IC,3130,BIMOS OP AMP,METAL CAN
U36002	3133-0000-007	IC,4066B,QUAD BILATERAL SWITCH



7005-9047-100

ASSY, FRONT PANEL

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1405-9052-200	FRONT PANEL, RD-301
3	2402-0921-900	KNOB,RND, .438OD,.128ID,.520LG
4	1400-9050-900	BRKT,METER MOUNTING
5	2402-4984-700	KNOB ASSY,INTRL PRF/AM
6	7010-4930-900	PCB ASSY,RANGE DISCRETE
7	7010-4930-800	PCB ASSY, RANGE DIGIT SWITCH
8	2402-0013-300	KNOB
9	2402-4984-800	KNOB ASSY, PULSE WIDTH
10	2800-7600-168	SPACER,AL,.25HEX,4-40ID,.75 LG
11	7010-4931-700	PCB ASSY,MOD MODE SWITCH
12	2401-2501-200	DIAL 2ASY
13	2402-0922-000	KNOB,DUAL,.620OD,.252ID,.460LG
14	7010-4930-700	PCB ASSY,R.F. MODE SWITCH
15	2402-0005-703	KNOB
16	2402-4985-000	KNOB ASSY,10DB STEPPED ATTEN
17	2401-2526-400	DIALASY
18	6009-0000-008	STRIP, CONDUCTOR
19	2403-9050-000	OVERLAY, RD-301A
20	2800-7600-114	SPACER,AL,.500OD,.375ID,.080LG
22	2803-0375-006	SCREW, 4-40 X 3/8 PPHM
23	2803-0500-006	SCREW,4-40 X 1/2 PPHM
24	2804-0250-003	SCREW 6-32X1/4 PFHMS
26	2840-7600-208	WASHER,ALUM,.38OD,.250ID,.020T
27	2840-7600-205	WASHER,ALUM,.50OD,.375ID,.020T
28	2850-0000-081	NUT,TOG SW DRESS.35D,1/4-40ID
29	2803-0125-001	SCREW,4-40 X 1/8 SHS
30	2850-7866-300	STANDOFF,HEX,MALE-FEMALE
31	2840-0000-003	WASHER,LOCK,INT TOOTH,4
32	2840-0000-004	WASHER,LOCK,INT TOOTH,2
33	2850-0000-012	NUT,HEX,SMALL PAT,2-56
34	2850-0000-046	NUT,HEX,EX SM PAT,1/4_32
35	2114-0000-005	CONTACT,M D-SUB 20-24G LOOSE
36	2800-3065-300	SPACER,AL,.37500,.272IO,.062LG
37	2114-0000-006	CONTACT,M D-SUB 24-28G LOOSE
39	2840-0000-016	3/8 INT TOOTH LOCKWASHER
41	6010-0125-100	TUBING,HS, 1/8 ID,CLEAR
42	6011-0027-001	TUBING,TF,22 AWG,NATURAL,TW
43	2114-0000-022	CONTACT,DCANT,CRIMP,22-30,GOLD
45	2127-9900-100	KEY,POLARIZIN,MOLEX 15-04-9209
46	6004-6005-400	TY-RAP,4.0 LG
47	2850-0000-033	NUT,HEX,SMALL PAT,3/8-32
	6008-1000-001	WIRE,UL1213,26GA,7X34,BLK
	6008-1000-002	WIRE,UL1213,26GA,7X34,BRN
	6008-1000-003	WIRE,UL1213,26GA,7X34,RED
	6008-1000-004	WIRE,UL1213,26GA,7X34,ORN
	6008-1000-005	WIRE,UL1213,26GA,7X34,YEL
	6008-1000-006	WIRE,UL1213,26GA,7X34,GRN
	6008-1000-008	WIRE,UL1213,26GA,7X34,VIO
	6008-1000-009	WIRE,UL1213,26GA,7X34,GRY
	6008-1000-010	WIRE,UL1213,26GA,7X34,WHT
	6008-1000-011	WIRE,UL1213,26GA,7X34,WHT/BLK



7005-9047-100

ASSY, FRONT PANEL (cont)

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
	6008-1000-012	WIRE,UL1213,26GA,7X34,WHT/BRN
	6008-1000-013	WIRE,UL1213,26GA,7X34,WHT/RED
	6008-1000-014	WIRE,UL1213,26GA,7X34,WHT/ORN
	6008-1000-015	WIRE,UL1213,26GA,7X34,WHT/YEL
	6008-1000-016	WIRE,UL1213,26GA,7X34,WHT/GRN
	6008-1000-017	WIRE,UL1213,26GA,7X34,WHT/BLU
	6008-1000-018	WIRE,UL1213,26GA,7X34,WHT/VIO
	6008-1000-019	WIRE,UL1213,26GA,7X34,WHT/GRY
	6008-3000-001	WIRE,UL1213,22GA,7X30,BLK
	6008-3000-004	WIRE,UL1213,22GA,7X30,ORN
	6008-3000-009	WIRE,UL1213,22GA,7X30,GRY
	6008-3000-010	WIRE,UL1213,22GA,7X30,WHT
AT10001	2901-7633-100	ATTEN,STEP,0- 10DB/ 1DB,1W,SMA
AT10002	2901-7333-000	ATTEN,STEP,0-100DB/100B,3W,SMA
AT10003	2901-7333-100	ATTEN,0-59DB/1DB,3W,SMA
C10001	1507-0336-021	CAP,30UF,20V,20%,TANT
DS10001	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10002	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10003	4818-0000-021	OPTO LED,HLMP-1503,GREEN
DS10004	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10005	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10006	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10007	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10008	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10009	4818-0000-020	OPTO LED,HLMP-1301,RED
DS10010	4818-0000-022	OPTO LED,HCMP-1523 HI PERFGRN*
GL10001	2850-0000-014	LUG,GND,4
J10007	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10008	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10009	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10010	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10011	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10012	2113-0000-020	CONN UG1094/U
J10013	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10014	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10015	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
J10017	2116-0000-008	CONN,D-SUB,M,37-P,CCA(CNI)
J10018	2200-0410-100	CONN,ADAPT,F BNC/F SMASTR BHD*
M10001	2900-0100-804	METER,KW PK/EFF-F MHZ RD301A
P14001	2115-0000-013	CONN,C HSG,.100C,10-P
P27001	2115-0000-013	CONN,C HSG,.100C,10-P
P27002	2115-0000-013	CONN,C HSG,.100C,10-P
P32004	2115-0000-015	CONN,C HSG,.100C,18-P
R10001/S00	4757-0000-001	POT, 10K OHM, MODIFIED
R10002	4702-0391-003	RES,390,1/4W,5%
R10003/R00	4750-7605-901	POT, 10K/100,86A3DG36AA0376R55
R10005	4770-8810-300	POT, 10K OHM,
R10006/S00	4750-7608-300	POT, 5K OHM, 380SW10-5K-S .78
R10007	4702-0391-003	RES,390,1/4W,5%
S10001	5114-0000-008	SWITCH TOG DPDT ON-ON-ON LUG
S10003	5114-0000-001	SWITCH TOG SPDT ON-ON LUG



7005-9047-100

ASSY, FRONT PANEL (cont)

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
S10005	5115-0000-001	SWITCH GRAYHILL 30-1
S10006	5114-0000-004	SWITCH TOG DPDT ON-ON LUG
S10008	5115-0000-016	SWITCH, POWER VDE



7010-4931-700

PCB ASSY, MOD MODE SWITCH

A2

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
2	1700-2506-700	BD PC
4	1400-4951-600	BRKT,MODULATION MODE SWITCH
7	2803-0188-006	SCREW,4-40 X 3/16 PPHM
J32001	2115-0000-021	CONN MOLEX 22-05-2181
S32001	5115-0000-011	SWITCH PB1170 CENTRALAB



7010-4930-700

PCB ASSY, RF MODE SWITCH

D1

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-4920-700	PC BD,R.F. MODE SWITCH
3	5115-0000-012	SWITCH,PB2112 CENTRALAB
4	1400-4951-500	BRKT,RF MODE SWITCH
5	2803-0188-006	SCREW,4-40 X 3/16 PPHM
J27001	2115-0000-016	WAFER,PCB,.100C,STR,10-P
J27002	2115-0000-016	WAFER,PCB,.100C,STR,10-P
R27001	4702-0821-003	RES,820,1/4W,5%
R27002	4702-0821-003	RES,820,1/4W,5%
R27003	4702-0821-003	RES,820,1/4W,5%
R27004	4702-0821-003	RES,820,1/4W,5%
R27005	4702-0821-003	RES,820,1/4W,5%
R27006	4702-0821-003	RES,820,1/4W,5%



7010-4930-900

PCB ASSY, RANGE DISCRETE

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-4920-900	PC BD,RANGE DISCRETE
2	2800-3065-300	SPACER,AL,.37500,.272IO,.062LG
CR22001	4818-0000-020	OPTO LED,HLMP-1301,RED
J22001	2129-1001-034	CONN, 34P LO PRF HDR SHORT ST*
R22001	4702-0331-003	RES,330,1/4W,5%
R22002	4750-7615-100	POT, 10K OHM, RV6NAYSD103A .59
R22003	4750-7615-100	POT, 10K OHM, RV6NAYSD103A .59
R22004	4750-7615-100	POT, 10K OHM, RV6NAYSD103A .59
SW22001	5111-5013-000	SWITCH,ROT,PCM,SP,12POS, 30TA
SW22002	5120-0012-000	SWITCH TOG SPDT ON-ON PC
SW22003	5111-5013-000	SWITCH,ROT,PCM,SP,12POS, 30TA
SW22004	5120-0012-000	SWITCH TOG SPDT ON-ON PC
SW22005	5111-5013-000	SWITCH,ROT,PCM,SP,12POS, 30TA
W22001	6003-0001-005	WIRE,HOOK,TFE,30GA,SOLID,GRN



7010-4930-800

PCB ASSY, RANGE DIGIT SWITCH

C2

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
J15001	1700-4920-800	PC BD,RANGE DIGIT SWITCH
S15001	2129-1001-034	CONN, 34P LO PRF HDR SHORT ST*
	7105-5102-009	MECH ASSY,TW SW,RD-301 RANGE



7005-9041-900

ASSY, DISPLAY/COUNTER

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1414-9052-500	COVER,DISPLAY
2	2803-0188-006	SCREW,4-40 X 3/16 PPHM
3	1414-9052-700	COVER,SHIELD,DISPLAY PCB
4	1415-9052-400	ENCLOSURE,DISPLAY
A1	7010-9031-900	PCB ASSY,DISPLAY/COUNTER
DS1	4950-1000-100	LED,7SEGRED,10MM,HDSP-F111
DS2	4950-1000-100	LED,7SEGRED,10MM,HDSP-F111
DS3	4950-1000-100	LED,7SEGRED,10MM,HDSP-F111
DS4	4950-1000-100	LED,7SEGRED,10MM,HDSP-F111
DS5	4950-1000-100	LED,7SEGRED,10MM,HDSP-F111
DS6	4950-1000-100	LED,7SEGRED,10MM,HDSP-F111

7010-9031-900

PCB ASSY, DISPLAY/COUNTER

C

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9021-900	PC BD,DISPLAY/COUNTER
2	2506-9052-800	DIVIDER,DISPLAY PCB
3	2508-9052-600	SHIELD,DISPLAY PCB
C1	1620-0390-001T	CAP,39pF,63V
C2	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C3	1622-0102-001T	CAP,1000pF,50V,CHIP,NPO
C4	1622-0102-001T	CAP,1000pF,50V,CHIP,NPO
C5	1620-0390-001T	CAP,39pF,63V
C6	1618-0474-025T	CAP,0.47UF,25V,TANT,SMD
C7	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C8	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C9	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C10	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C11	1622-0104-001T	CAP,0.1UF,50V,CHIP,X7R
C12	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C13	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C14	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C15	1622-0101-001T	CAP,100pF,50V,CHIP
C16	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C17	1622-0103-001T	CAP,0.01UF,50V,CHIP,X7R
C18	1622-0104-001T	CAP,0.1UF,50V,CHIP,X7R
C19	1622-0104-001T	CAP,0.1UF,50V,CHIP,X7R
C20	1622-0104-001T	CAP,0.1UF,50V,CHIP,X7R
C21	1622-0104-001T	CAP,0.1UF,50V,CHIP,X7R
C22	1618-0105-016T	CAP,1UF,16V,TANT,SMD
C23	1622-0104-001T	CAP,0.1UF,50V,CHIP,X7R
CR01	4816-0000-006T	DIODE, HSMS 2802, SOT-23
CR02	4816-0000-006T	DIODE, HSMS 2802, SOT-23
CR03	4815-0000-005T	DIODE, 4148,SIGNAL 75PRV SMD
CR06	4815-0000-005T	DIODE, 4148,SIGNAL 75PRV SMD
J1	2123-0000-135	CONN,SMA,STR,EDGE,BULKHD,JACK
J2	2123-0000-135	CONN,SMA,STR,EDGE,BULKHD,JACK
J4	2123-0000-135	CONN,SMA,STR,EDGE,BULKHD,JACK
J5	2115-0000-120	WAFER,PCB,.100C,R,A,10-P GOLD
L1	2750-0000-029T	BEAD,FERRITE BLM21A601 0805
L2	2750-0000-029T	BEAD,FERRITE BLM21A601 0805
Q1	4809-0000-014T	TRANS,MMBTH10,VHF/UHF NPN
Q2	4809-0000-014T	TRANS,MMBTH10,VHF/UHF NPN
Q3	4801-0000-006T	TRANS,2N2222,NPN HS SW,*SOT*
Q4	4805-0000-004	TRANS,2N2907A,G/P PNP SOT-23
Q5	4805-0000-004T	TRANS,2N2907A,G/P PNP SOT-23
R1	4732-1500-001T	RES,150,1/10W,1%
R2	4732-1500-001T	RES,150,1/10W,1%
R3	4732-3929-001T	RES,39.2,1/10W,1%
R4	4732-5111-001T	RES,5.11K,1/10W,1%
R5	4732-1002-001T	RES,10.0K,1/10W,1%
R6	4732-5111-001T	RES,5.11K,1/10W,1%
R7	4732-1002-001T	RES,10.0K,1/10W,1%
R8	4732-1002-001T	RES,10.0K,1/10W,1%
R9	4732-1002-001T	RES,10.0K,1/10W,1%
R10	4732-1501-001T	RES,1.50K,1/10W,1%,0805



7010-9031-900

PCB ASSY, DISPLAY/COUNTER (cont)

C

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R11	4732-2740-001T	RES,274,1/10W,1%
R12	4732-6819-001T	RES,68.1,1/10W,1%,0805
R13	4732-3322-001T	RES,33.2K,1/10W,1%
R14	4732-3320-001T	RES,332,1/10W,1%
R15	4732-3320-001T	RES,332,1/10W,1%
R16	4732-3320-001T	RES,332,1/10W,1%
R17	4732-3320-001T	RES,332,1/10W,1%
R18	4732-3320-001T	RES,332,1/10W,1%
R19	4732-3320-001T	RES,332,1/10W,1%
R20	4732-3320-001T	RES,332,1/10W,1%
R21	4732-3320-001T	RES,332,1/10W,1%
R22	4732-3320-001T	RES,332,1/10W,1%
R23	4732-3320-001T	RES,332,1/10W,1%
R24	4732-3320-001T	RES,332,1/10W,1%
R25	4732-3320-001T	RES,332,1/10W,1%
R26	4732-3320-001T	RES,332,1/10W,1%
R27	4732-3320-001T	RES,332,1/10W,1%
R28	4732-3320-001T	RES,332,1/10W,1%
R29	4732-3320-001T	RES,332,1/10W,1%
R30	4732-3320-001T	RES,332,1/10W,1%
R31	4732-3320-001T	RES,332,1/10W,1%
R32	4732-3320-001T	RES,332,1/10W,1%
R33	4732-3320-001T	RES,332,1/10W,1%
R34	4732-3320-001T	RES,332,1/10W,1%
R35	4732-3320-001T	RES,332,1/10W,1%
R36	4732-3320-001T	RES,332,1/10W,1%
R37	4732-3320-001T	RES,332,1/10W,1%
R38	4732-3320-001T	RES,332,1/10W,1%
R39	4732-3320-001T	RES,332,1/10W,1%
R40	4732-3320-001T	RES,332,1/10W,1%
R41	4732-3320-001T	RES,332,1/10W,1%
R42	4732-3320-001T	RES,332,1/10W,1%
R43	4732-3320-001T	RES,332,1/10W,1%
R44	4732-3320-001T	RES,332,1/10W,1%
R45	4732-3320-001T	RES,332,1/10W,1%
R46	4732-3320-001T	RES,332,1/10W,1%
R47	4732-3320-001T	RES,332,1/10W,1%
R48	4732-3320-001T	RES,332,1/10W,1%
R49	4732-3320-001T	RES,332,1/10W,1%
R50	4732-3320-001T	RES,332,1/10W,1%
R51	4732-3320-001T	RES,332,1/10W,1%
R52	4732-3320-001T	RES,332,1/10W,1%
R53	4732-3320-001T	RES,332,1/10W,1%
R54	4732-3320-001T	RES,332,1/10W,1%
R55	4732-3320-001T	RES,332,1/10W,1%
R56	4732-1002-001T	RES,10.0K,1/10W,1%
R57	4732-3320-001T	RES,332,1/10W,1%
R58	4732-3320-001T	RES,332,1/10W,1%
R59	4732-1004-001T	RES,1.0M,1/10W,1%
R60	4732-1002-001T	RES,10.0K,1/10W,1%
R61	4732-1002-001T	RES,10.0K,1/10W,1%

7010-9031-900

PCB ASSY, DISPLAY/COUNTER (cont)

C

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R62	4732-1002-001T	RES,10.0K,1/10W,1%
R63	4732-1002-001T	RES,10.0K,1/10W,1%
R64	4732-1002-001T	RES,10.0K,1/10W,1%
R65	4732-1002-001T	RES,10.0K,1/10W,1%
R66	4732-1002-001T	RES,10.0K,1/10W,1%
R67	4732-1002-001T	RES,10.0K,1/10W,1%
R68	4732-1002-001T	RES,10.0K,1/10W,1%
R69	4732-3320-001T	RES,332,1/10W,1%
R70	4732-1002-001T	RES,10.0K,1/10W,1%
R71	4732-6819-001T	RES,68.1,1/10W,1%,0805
R72	4732-3322-001T	RES,33.2K,1/10W,1%
R73	4732-3572-001T	RES,35.7K,1/10W,1%
R74	4732-3320-001T	RES,332,1/10W,1%
R75	4732-1001-001T	RES,1.0K,1/10W,1%
R77	4732-1002-001T	RES,10.0K,1/10W,1%
R78	4732-1001-001T	RES,1.0K,1/10W,1%
R79	4732-4750-001T	RES,475,1/10W,1%
R80	4732-1501-001T	RES,1.50K,1/10W,1%,0805
R81	4732-1002-001T	RES,10.0K,1/10W,1%
RA1	4749-0203-005T	POT,SMD 20K OHM
S1	5111-1001-007	SWITCH,16 POS,BINARY CODE,RTRY
S5	5136-0005-000T	SWITCH,HI TEMP,SEALED,5P SMT
U1	3210-3074-000T	IC,DUAL D,FF/SET/RESET INDL
U2	3210-3074-000T	IC,DUAL D,FF/SET/RESET INDL
U3	3210-3004-000T	IC, HEX INVERTER
U4	3213-1033-000T	IC,PRESCLR/4,4GHZ,5V/3V,SO-8
U5	3213-1033-000T	IC,PRESCLR/4,4GHZ,5V/3V,SO-8
U6	3213-1021-000T	IC,TRANSLATOR,PECL-TTL,SO-8
U7	F191-4920-100	PROG SERIAL PROM
U8	3260-0103-200T	IC,EPF8452,CMOS,PLD,PLCC84
W1	4732-0000-001T	RES,0,1/10W,1%
X9	3101-0000-014	SOCKET,DIP,.3CTR,VERT PCB MT
X10	3101-0000-014	SOCKET,DIP,.3CTR,VERT PCB MT
X11	3101-0000-014	SOCKET,DIP,.3CTR,VERT PCB MT
X12	3101-0000-014	SOCKET,DIP,.3CTR,VERT PCB MT
X13	3101-0000-014	SOCKET,DIP,.3CTR,VERT PCB MT
X14	3101-0000-014	SOCKET,DIP,.3CTR,VERT PCB MT
XU7	3101-0600-000	SOCKET,8-PIN DIP



7005-4943-000

ASSY, 475/570-775 MHZ FLTR

E

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	2100-4955-000	BLOCK FILTER
2	2803-0188-006	SCREW,4-40 X 3/16 PPHM
3	1414-4955-200	COVER FILTER
4	2400-4955-800	LABEL,FACTORY ALIGNMENT ONLY
C53001	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53002	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53003	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53004	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53005	1506-0020-017	CAP,2.2pF,100V,NPO,25
C53006	1506-0010-017	CAP,1pF,100V,MICA,50
C53007	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53008	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53009	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53010	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53011	1558-0800-500	CAP VAR,1.0-14pF,250V,5402
C53012	1506-0689-017	CAP,6.8pF,100V,5%,NPO
C53013	1506-0020-017	CAP,2.2pF,100V,NPO,25
C53014	1506-0010-017	CAP,1pF,100V,MICA,50
C53015SAT	1523-0000-006	CAP,0.4pF,50V,HIQ,CHIP
C53015SAT	1523-0000-009	CAP,0.6pF,50V,HIQ,CHIPA
J53001	2123-0000-036	CONN,M SMB,W/TERM,STR BULKHEAD
J53002	2123-0000-036	CONN,M SMB,W/TERM,STR BULKHEAD
J53003	2123-0000-036	CONN,M SMB,W/TERM,STR BULKHEAD
J53004	2123-0000-036	CONN,M SMB,W/TERM,STR BULKHEAD
L53001	1050-0000-073	WIRE,BUS,TINNED COPPER,22GA
L53002	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53003	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53004	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53005	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53006	1801-0337-002	IND, .033UH, .035OHM102604
L53007	1801-0337-002	IND, .033UH, .035OHM102604
L53008	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53009	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53010	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53011	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53012	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L53013	1801-0337-002	IND, .033UH, .035OHM102604
L53014	1801-0158-001	IND, .15UH, .1 OHM,1025-00
L53015	1801-0000-007	IND, .068 UH, .060 OHM
L53016	1050-0000-073	WIRE,BUS,TINNED COPPER,22GA

7005-4943-000

ASSY, 475/570-775 MHZ FLTR

F

Contains all parts in Revision E plus the following:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C53016SAT	1523-0000-006	CAP,0.4pF,50V,HIQ,CHIP



7005-9041-000

ASSY, DELAY LINE

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1414-4952-300	COVER PLATE,DELAY LINE
2	2803-0438-006	SCREW,4-40 X 7/16 PPHM
3	1400-9051-600	BRKT,DELAY LINE MTG
4	6004-6005-400	TY-RAP,4.0 LG
5	6042-0000-007	CABLE,COAX,FLEX,RG-316/U
P50014	2123-0000-037	CONN, F, SMB,RA,PLUG, CR,N,
P50015	2123-0000-037	CONN, F, SMB,RA,PLUG, CR,N,



7005-9041-800

ASSY, CARD FRAME

A

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	7010-9031-800	PCB ASSY,RANGE BOARD #2
2	7010-4931-300	PCB ASSY,DISCRIMINATOR #2
4	1402-4954-000	RAIL,CARD FRAME,OUTER
5	1402-4954-100	RAIL,CARD FRAME,INNER
6	1405-4985-100	PANEL,CARD FRAME
7	1400-4953-600	BRACKET,SMB CONN MTG
8	7010-4930-300	PCB ASSY,RANGE BOARD #1
9	7010-4932-800	PC BD ASSY-DISCR BD NO.1
11	6045-4983-700	RBN CA ASSY,DISC #1--DISC #2
12	2803-0250-006	SCREW,4-40 X 1/4 PPHM
13	2803-0438-006	SCREW,4-40 X 7/16 PPHM
TAG #26	6042-4983-900	COAX ASSY,SR.086,DSCM-PRESC.



7010-4930-300

PCB ASSY, RANGE BOARD #1

H

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-4920-300	PC BD,RANGE BOARD #1
2	3107-5052-200	INSUL,MYLAR,ADHES,3.8 X 6.88
C19001	1506-0102-017	CAP,1000pF,100V,5%,NPO
C19002	1506-0100-017	CAP,10pF,100V,5%,NPO
C19003	1506-0100-017	CAP,10pF,100V,5%,NPO
C19004	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C19005	1506-0100-017	CAP,10pF,100V,5%,NPO
C19006	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C19007	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19008	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19009	1506-0102-017	CAP,1000pF,100V,5%,NPO
C19010	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19011	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19012	1506-0102-017	CAP,1000pF,100V,5%,NPO
C19013	1506-0102-017	CAP,1000pF,100V,5%,NPO
C19014	1506-0470-017	CAP,47pF,100V,NPO
C19015SAT	1506-0820-017	CAP,82pF,100V,5%,NPO
C19016	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19017	1506-0471-017	CAP,470pF,100V,5%,NPO
C19018	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19019	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19020	1506-0681-017	CAP,680pF,100V,5%,NPO
C19021	1506-0681-017	CAP,680pF,100V,5%,NPO
C19022	1506-0102-017	CAP,1000pF,100V,5%,NPO
C19023	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C19024	1580-4700-045	CAP,47UF,10V,ELE,30
C19025	1580-1000-350	CAP,10UF,35V,ELE
C19026	1506-0220-017	CAP,22PF,100V,5%,NPO
C19027	1506-0100-017	CAP,10pF,100V,5%,NPO
C19028	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19029	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19030	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19031	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19032	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19033	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19034	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19035	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19036	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19037	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19038	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19039	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19040	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19041	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19042	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19043	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19044	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19045	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19046	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19047	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19048	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19049	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U



7010-4930-300

PCB ASSY, RANGE BOARD #1 (cont)

H

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C19050	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19051	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19052	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19053	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19054	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19055	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C19056	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
CR19001	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR19002	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR19003	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR19004	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR19005	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR19006	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
J19002	2129-1001-034	CONN, 34P LO PRF HDR SHORT ST*
L19002	1800-7629-300	XFMR,.1UH,108-177MHZ,BLUE
P30001	6045-4980-200	RBN CA ASSY,RANGE #1- RANGE #2
Q19001	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q19002	4809-0000-005	TRANS,66382,NPN HF AMP
Q19003	4809-0000-005	TRANS,66382,NPN HF AMP
Q19004	4809-0000-005	TRANS,66382,NPN HF AMP
Q19005	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q19006	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q19007	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q19008	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q19009	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q19010	4801-0000-001	TRANSISTOR NPN HS SW
Q19011	4801-0000-001	TRANSISTOR NPN HS SW
R19001	4702-0102-003	RES,1.0K,1/4W,5%
R19002	4702-0272-003	RES,2.7K,1/4W,5%
R19003	4702-0681-003	RES,680,1/4W,5%
R19003SAT	4702-0102-003	RES,1.0K,1/4W,5%
R19003SAT	4702-0471-003	RES,470,1/4W,5%
R19003SAT	4702-0821-003	RES,820,1/4W,5%
R19004	4702-0471-003	RES,470,1/4W,5%
R19005	4702-0682-003	RES,6.8K,1/4W,5%
R19006	4702-0101-003	RES,100,1/4W,5%
R19007	4702-0102-003	RES,1.0K,1/4W,5%
R19008	4702-0473-003	RES,47K,1/4W,5%
R19009	4702-0471-003	RES,470,1/4W,5%
R19010	4702-0101-003	RES,100,1/4W,5%
R19011	4702-0102-003	RES,1.0K,1/4W,5%
R19012	4702-0473-003	RES,47K,1/4W,5%
R19013	4702-0680-003	RES,68,1/4W,5%
R19014	4702-0471-003	RES,470,1/4W,5%
R19015	4702-0471-003	RES,470,1/4W,5%
R19016	4702-0473-003	RES,47K,1/4W,5%
R19017	4702-0471-003	RES,470,1/4W,5%
R19018	4702-0822-003	RES,8.2K,1/4W,5%
R19019	4702-0101-003	RES,100,1/4W,5%
R19020	4702-0102-003	RES,1.0K,1/4W,5%
R19021	4702-0222-003	RES,2.2K,1/4W,5%



7010-4930-300

PCB ASSY, RANGE BOARD #1 (cont)

H

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R19022	4702-0223-003	RES,22K,1/4W,5%
R19023	4702-0101-003	RES,100,1/4W,5%
R19024	4702-0101-003	RES,100,1/4W,5%
R19026	4702-0471-003	RES,470,1/4W,5%
R19027	4702-0471-003	RES,470,1/4W,5%
R19028	4702-0680-003	RES,68,1/4W,5%
R19029	4702-0101-003	RES,100,1/4W,5%
R19030	4702-0561-003	RES,560,1/4W,5%
R19031	4702-0221-003	RES,220,1/4W,5%
R19032	4702-0182-003	RES,1.8K,1/4W,5%
R19033	4702-0331-003	RES,330,1/4W,5%
R19034	4702-0331-003	RES,330,1/4W,5%
R19035	4702-0331-003	RES,330,1/4W,5%
R19036	4702-0221-003	RES,220,1/4W,5%
R19037	4702-0181-003	RES,180,1/4W,5%
R19038	4702-0471-003	RES,470,1/4W,5%
R19039	4702-0680-003	RES,68,1/4W,5%
R19040	4702-0101-003	RES,100,1/4W,5%
R19041	4702-0561-003	RES,560,1/4W,5%
R19042	4702-0221-003	RES,220,1/4W,5%
R19043	4702-0331-003	RES,330,1/4W,5%
R19044	4702-0331-003	RES,330,1/4W,5%
R19045	4702-0103-003	RES,10K,1/4W,5%
R19046	4702-0121-003	RES,120,1/4W,5%
R19047	4752-0201-002	POT, 200 OHM
R19048	4702-0103-003	RES,10K,1/4W,5%
R19049	4702-0103-003	RES,10K,1/4W,5%
R19050	4702-0332-003	RES,3.3K,1/4W,5%
R19051	4702-0181-003	RES,180,1/4W,5%
R19052	4702-0331-003	RES,330,1/4W,5%
R19053	4702-0681-003	RES,680,1/4W,5%
R19054	4702-0101-003	RES,100,1/4W,5%
TP19001	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
U19001	3134-0000-017	IC,12013,D/10/11 PRESCALER
U19002	3211-3390-000	IC,74LS390,DUAL DECADE COUNTER
U19003	3131-0000-028	IC,74LS90,DECADE COUNTER
U19004	3134-0000-008	IC,10116,TRIPLE LINE RECEIVER
U19005	3213-0003-000	IC,10137,UNIV DECADE COUNTER
U19006	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19007	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19008	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19009	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19010	3131-0000-032	IC,74LS02,QUAD 2-INPUT NOR
U19011	3131-0000-027	IC,74LS30,8-INPUT NAND
U19012	3131-0000-027	IC,74LS30,8-INPUT NAND
U19013	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND
U19014	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U19015	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19016	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U19017	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND
U19018	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND



7010-4930-300

PCB ASSY, RANGE BOARD #1 (cont)

H

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
U19019	3213-0003-000	IC,10137,UNIV DECADE COUNTER
U19020	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19021	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19022	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19023	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19024	3131-0000-032	IC,74LS02,QUAD 2-INPUT NOR
U19025	3131-0000-027	IC,74LS30,8-INPUT NAND
U19026	3131-0000-027	IC,74LS30,8-INPUT NAND
U19027	3131-0000-006	IC,74LS76A,DUAL JK FLIP-FLOP
U19028	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U19029	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND
U19030	3131-0000-029	IC,74LS190,BCD SYN U/D COUNTER
U19031	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U19032	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
Y19001	2363-0011-000	XTAL,100.000000MHZ,5 S,HC-18/U
Y19002	2363-0036-000	XTAL,8.091270MHZ,FP,HC-18/U3



7010-9031-800

PCB ASSY, RANGE BOARD #2

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-9021-800	PC BD,RANGE BOARD #2
C30001	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30002	1506-0680-017	CAP,68pF,100V,5%,NPO
C30003	1506-0102-017	CAP,1000pF,100V,5%,NPO
C30004	1502-0103-010	CAP,0.01UF,50V,2%,PC
C30005	1502-0104-002	CAP,0.1UF,50V,2%,PCARB
C30006	1502-0105-002	CAP,1UF,50V,2%,MPC
C30007	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C30008	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30009	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30010	1506-0680-017	CAP,68pF,100V,5%,NPO
C30011	1506-0102-017	CAP,1000pF,100V,5%,NPO
C30012	1502-0103-010	CAP,0.01UF,50V,2%,PC
C30013	1502-0104-002	CAP,0.1UF,50V,2%,PCARB
C30014	1502-0105-002	CAP,1UF,50V,2%,MPC
C30015	1501-0103-005	CAP,0.01UF,50V,20%,DISC
C30016	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30017	1502-0334-012	CAP,0.33UF,50V,5%,MPC
C30018	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30019	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30020	1580-1000-200	CAP,10UF,25V,ELE,RDL
C30022	1502-0103-010	CAP,0.01UF,50V,2%,PC
C30023	1502-0104-002	CAP,0.1UF,50V,2%,PCARB
C30024	1506-0680-017	CAP,68pF,100V,5%,NPO
C30025	1507-0476-018	CAP,47UF,35V,20%,TANT
C30026	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30027	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30028	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30029	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C30030	1580-4700-215	CAP,47UF,25V,ELE,30
C30031	1580-4700-215	CAP,47UF,25V,ELE,30
C30032	1580-4702-105	CAP,47UF,10V,ELE,RDL
C30033	1506-0680-017	CAP,68pF,100V,5%,NPO
C30034	1506-0180-017	CAP,18pF,100V,5%,NPO
C30035	1506-0101-017	CAP,100pF,100V,5%,NPO
C30036	1506-0680-017	CAP,68pF,100V,5%,NPO
C30037	1506-0180-017	CAP,18pF,100V,5%,NPO
C30038	1506-0101-017	CAP,100pF,100V,5%,NPO
C30039	1502-0505-001	CAP,5UF,50V,10%,MPC
CR30001	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30002	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30003	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30004	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30005	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30006	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30007	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
CR30008	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30009	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30010	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30011	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30012	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV



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PCB ASSY, RANGE BOARD #2 (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
CR30013	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30014	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30015	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30016	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30017	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30018	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30019	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30020	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30021	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30022	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30023	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
CR30024	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30025	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30026	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30027	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30028	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30029	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30030	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR30031	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
J30001	2129-1001-026	CONN,ANSLEY 609-2327 26-P M
J30002	2129-1001-034	CONN, 34P LO PRF HDR SHORT ST*
J30003	2115-1002-015	CONN,MOLEX 22-05-2151
J30004	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J30005	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J30006	2115-0000-020	WAFER,PCB,.100C,R.A,10-P
J30007	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J30008	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
K30001	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
K30002	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
K30003	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
K30004	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
K30005	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
K30006	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
K30007	4501-0000-002	RELAY,DIP REED,SPST, 12VDC,.5A--
L30001	1801-0688-001	IND, .68UH,.6 OHM,1025-16
Q30001	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30002	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30003	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30004	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30005	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30006	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30007	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30008	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30009	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30010	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30011	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30012	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30013	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30014	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30015	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30016	4807-0000-001	TRANS, 2N3903 ,NPN HS SW



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PCB ASSY, RANGE BOARD #2 (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
Q30017	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30018	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30019	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30020	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q30021	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30022	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q30023	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
R30001	4702-0102-003	RES,1.0K,1/4W,5%
R30002	4702-0221-003	RES,220,1/4W,5%
R30003	4702-0153-003	RES,15K,1/4W,5%
R30004	4702-0561-003	RES,560,1/4W,5%
R30005	4702-0221-003	RES,220,1/4W,5%
R30006	4702-0102-003	RES,1.0K,1/4W,5%
R30007	4702-0152-003	RES,1.5K,1/4W,5%
R30008	4702-0331-003	RES,330,1/4W,5%
R30009	4702-0471-003	RES,470,1/4W,5%
R30010	4752-0502-002	POT 5K OHM
R30011	4702-0822-003	RES,8.2K,1/4W,5%
R30012	4702-0103-003	RES,10K,1/4W,5%
R30013	4702-0102-003	RES,1.0K,1/4W,5%
R30014	4702-0331-003	RES,330,1/4W,5%
R30015	4702-0221-003	RES,220,1/4W,5%
R30016	4702-0102-003	RES,1.0K,1/4W,5%
R30017	4702-0152-003	RES,1.5K,1/4W,5%
R30018	4702-0471-003	RES,470,1/4W,5%
R30019	4702-0102-003	RES,1.0K,1/4W,5%
R30020	4702-0121-003	RES,120,1/4W,5%
R30021	4752-0202-002	POT, 2K OHM
R30022	4752-0202-002	POT, 2K OHM
R30023	4702-0682-003	RES,6.8K,1/4W,5%
R30024	4702-0223-003	RES,22K,1/4W,5%
R30025	4702-0102-003	RES,1.0K,1/4W,5%
R30026	4702-0221-003	RES,220,1/4W,5%
R30027	4702-0153-003	RES,15K,1/4W,5%
R30028	4702-0561-003	RES,560,1/4W,5%
R30029	4702-0221-003	RES,220,1/4W,5%
R30030	4702-0471-003	RES,470,1/4W,5%
R30031	4752-0502-002	POT 5K OHM
R30032	4702-0822-003	RES,8.2K,1/4W,5%
R30033	4702-0103-003	RES,10K,1/4W,5%
R30034	4702-0102-003	RES,1.0K,1/4W,5%
R30035	4702-0471-003	RES,470,1/4W,5%
R30036	4702-0331-003	RES,330,1/4W,5%
R30037	4702-0102-003	RES,1.0K,1/4W,5%
R30038	4702-0152-003	RES,1.5K,1/4W,5%
R30039	4702-0221-003	RES,220,1/4W,5%
R30040	4702-0181-003	RES,180,1/4W,5%
R30041	4752-0202-002	POT, 2K OHM
R30042	4752-0202-002	POT, 2K OHM
R30043	4702-0103-003	RES,10K,1/4W,5%
R30044	4702-0223-003	RES,22K,1/4W,5%



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PCB ASSY, RANGE BOARD #2 (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R30045	4702-0102-003	RES,1.0K,1/4W,5%
R30046	4702-0101-003	RES,100,1/4W,5%
R30047	4702-0680-003	RES,68,1/4W,5%
R30048	4702-0331-003	RES,330,1/4W,5%
R30049	4702-0331-003	RES,330,1/4W,5%
R30050	4702-0331-003	RES,330,1/4W,5%
R30051	4702-0331-003	RES,330,1/4W,5%
R30052	4702-0561-003	RES,560,1/4W,5%
R30053	4702-0102-003	RES,1.0K,1/4W,5%
R30054	4702-0102-003	RES,1.0K,1/4W,5%
R30055	4702-0332-003	RES,3.3K,1/4W,5%
R30056	4702-0472-003	RES,4.7K,1/4W,5%
R30057	4702-0473-003	RES,47K,1/4W,5%
R30058	4702-0473-003	RES,47K,1/4W,5%
R30059	4702-0222-003	RES,2.2K,1/4W,5%
R30060	4702-0102-003	RES,1.0K,1/4W,5%
R30061	4702-0102-003	RES,1.0K,1/4W,5%
R30062	4752-0104-002	POT 100K OHM
R30063	4706-2152-001	RES,21.5K,1/4W,1%
R30064	4702-0472-003	RES,4.7K,1/4W,5%
R30065	4702-0182-003	RES,1.8K,1/4W,5%
R30066	4752-0102-002	POT 1K OHM
R30067	4702-0560-003	RES,56,1/4W,5%
R30068	4702-0122-003	RES,1.2K,1/4W,5%
R30069	4702-0122-003	RES,1.2K,1/4W,5%
R30070	4702-0221-003	RES,220,1/4W,5%
R30071	4702-0471-003	RES,470,1/4W,5%
R30072	4702-0221-003	RES,220,1/4W,5%
R30073	4702-0471-003	RES,470,1/4W,5%
R30074	4702-0331-003	RES,330,1/4W,5%
R30075	4702-0152-003	RES,1.5K,1/4W,5%
R30076	4702-0102-003	RES,1.0K,1/4W,5%
R30077	4702-0560-003	RES,56,1/4W,5%
R30078	4702-0101-003	RES,100,1/4W,5%
R30079	4702-0560-003	RES,56,1/4W,5%
R30080	4702-0101-003	RES,100,1/4W,5%
R30081	4702-0331-003	RES,330,1/4W,5%
R30082	4702-0332-003	RES,3.3K,1/4W,5%
R30083	4702-0221-003	RES,220,1/4W,5%
R30084	4702-0391-003	RES,390,1/4W,5%
R30085	4702-0479-003	RES,4.7,1/4W,5%
R30086	4702-0560-003	RES,56,1/4W,5%
R30087	4702-0102-003	RES,1.0K,1/4W,5%
R30088	4752-0202-002	POT, 2K OHM
R30089	4701-0223-003	RES,22K,1/8W,5%
U30001	3133-0000-007	IC,4066B,QUAD BILATERAL SWITCH
U30002	3221-0001-000	IC,353,DUAL JFET OP AMP
U30003	3133-0000-007	IC,4066B,QUAD BILATERAL SWITCH
U30004	3221-0001-000	IC,353,DUAL JFET OP AMP
U30005	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND
U30006	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND



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PCB ASSY, RANGE BOARD #2 (cont)

B

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
U30007	3131-0000-037	IC,74LS20,DUAL 4-INPUT NAND
U30008	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U30009	3133-0000-006	IC,4049UB,HEX BUFFER/CONVERTER



7010-4931-300

PCB ASSY, DISCRIMINATOR #2

B5

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
	1700-4921-300	PC BOARD,DISCRIMINATOR #2
C35001	1506-0102-017	CAP,1000pF,100V,5%,NPO
C35002	1580-4702-105	CAP,47UF,10V,ELE,RDL
C35003	1506-0103-017	CAP,0.01UF,100V,NPO
C35004	1506-0470-017	CAP,47pF,100V,NPO
C35005	1506-0121-017	CAP,120pF,100V,5%,NPO
C35006	1506-0470-017	CAP,47pF,100V,NPO
C35007	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35008	1506-0332-017	CAP,3000pF,100V,5%,NPO
C35009	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35010	1506-0332-017	CAP,3000pF,100V,5%,NPO
C35011	1506-0332-017	CAP,3000pF,100V,5%,NPO
C35012	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35013	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35014	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35015	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35016	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35017	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35018	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35019	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35020	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C35021	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
J35001	2129-1001-010	CONN,HEADER,10-P STR KEYED
L35001	1801-0128-003	IND, .12UH,.09OHM,1025-96
L35002	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
Q35001	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
R35001	4701-0102-003	RES,1.0K,1/8W,5%
R35002	4701-0680-003	RES,68,1/8W,5%
R35003	4701-0332-003	RES,3.3K,1/8W,5%
R35004	4701-0221-003	RES,220,1/8W,5%
R35005	4701-0331-003	RES,330,1/8W,5%
R35006	4701-0331-003	RES,330,1/8W,5%
R35007	4701-0331-003	RES,330,1/8W,5%
U35001	3132-0000-001	IC,74S00,QUAD 2-INPUT NAND
U35002	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U35003	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35004	3131-0000-033	IC,74LS04,HEX INVERTER
U35005	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35006	3131-0000-033	IC,74LS04,HEX INVERTER
U35007	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35008	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U35009	3131-0000-038	IC,74LS74A,DUAL D FLIP-FLOP
U35010	3211-3374-000	IC,74LS374,OCTAL D FLIP-FLOP
U35011	3211-3374-000	IC,74LS374,OCTAL D FLIP-FLOP
U35012	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND
U35013	3131-0000-042	IC,74LS283,4-BIT BINARY ADDER
U35014	3131-0000-042	IC,74LS283,4-BIT BINARY ADDER
U35015	3131-0000-042	IC,74LS283,4-BIT BINARY ADDER
U35017	3132-0000-001	IC,74S00,QUAD 2-INPUT NAND
U35018	3131-0000-033	IC,74LS04,HEX INVERTER
U35019	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND



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PCB ASSY, DISCRIMINATOR #2 (cont)

B5

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
U35020	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U35021	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35022	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35023	3131-0000-037	IC,74LS20,DUAL 4-INPUT NAND
U35024	3132-0000-002	IC,74S112,DUAL JK FLIP-FLOP
U35025	3132-0000-001	IC,74S00,QUAD 2-INPUT NAND
U35026	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35027	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER
U35028	3131-0000-030	IC,74LS191,BIN SYN U/D COUNTER



7010-4932-800

PCB ASSY, DISCR BD NO.1

K

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
1	1700-4922-800	PC BD,DISCR BD NO.1
2	1415-4952-600	ENCL,DISC,BOTTOM,8.15LG
3	1415-4952-700	ENCL,DISC TOP,8.05 LG
4	1050-0000-075	WIRE,BUS,TINNED COPPER,26GA
7	2803-1000-003	SCREW,4-40 X 1 PFHM
10	2750-0150-500	CORE,BEAD,STACKPOLE 57-0180
11	2803-0250-006	SCREW,4-40 X 1/4 PPHM
12	6000-6990-340	WIRE,MAG,BIFILAR,RED/GRN,34GA
13	6011-0018-001	TUBING,TF,26 AWG,NATURAL,TW
14	6000-6050-260	WIRE,MAG,SINGLE BELDSOL,26 GA
15	6011-0022-001	TUBING,TF,24 AWG,NATURAL,TW
16	1050-0000-074	WIRE,BUS,TINNED COPPER,24GA
C20159SAT	1506-0101-017	CAP,100pF,100V,5%,NPO *
C50001	1517-3295-303	CAP VAR,6-20pF
C50002SAT	1506-0270-017	CAP,27pF,100V,5%,NPO 9 EA PA B317E
C50004	1517-3295-303	CAP VAR,6-20pF
C50005	1506-0182-017	CAP,1800pF,100V,5%,NPO
C50006	1517-3295-303	CAP VAR,6-20pF
C50008	1506-0680-017	CAP,68pF,100V,5%,NPO
C50009	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50010	1506-0103-016	CAP,0.01UF,50V,5%,NPO
C50011	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50012	1506-0471-017	CAP,470pF,100V,5%,NPO
C50013	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50014	1506-0681-017	CAP,680pF,100V,5%,NPO
C50015	1506-0182-017	CAP,1800pF,100V,5%,NPO
C50016	1506-0680-017	CAP,68pF,100V,5%,NPO
C50017	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50018	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50019	1506-0471-017	CAP,470pF,100V,5%,NPO
C50020	1507-0566-024	CAP,56UF,6V,20%,TANT
C50021	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50022	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50023	1506-0103-017	CAP,0.01UF,100V,NPO
C50024	1506-0220-017	CAP,22PF,100V,5%,NPO
C50025	1502-0104-002	CAP,0.1UF,50V,2%,PCARB
C50026	1506-0680-017	CAP,68pF,100V,5%,NPO
C50027	1506-0471-017	CAP,470pF,100V,5%,NPO
C50028	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50029	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50030	1502-0105-007	CAP,1UF,50V,5%,MPC
C50031	1502-0105-007	CAP,1UF,50V,5%,MPC
C50032	1502-0105-007	CAP,1UF,50V,5%,MPC
C50033	1506-0680-017	CAP,68pF,100V,5%,NPO
C50034	1506-0103-016	CAP,0.01UF,50V,5%,NPO
C50035	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50036	1506-0680-017	CAP,68pF,100V,5%,NPO
C50037	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50038	1507-0476-018	CAP,47UF,35V,20%,TANT
C50039	1506-0681-017	CAP,680pF,100V,5%,NPO
C50040	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C50041	1506-0103-016	CAP,0.01UF,50V,5%,NPO
C50042	1507-0105-018	CAP,1UF,35V,20%,TANT
C50043	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50044	1508-0157-020	CAP,150UF,15V,TANT,RDL
C50045	1508-0157-020	CAP,150UF,15V,TANT,RDL
C50046	1580-4702-105	CAP,47UF,10V,ELE,RDL
C50047	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C50048	1506-0020-017	CAP,2.2pF,100V,NPO,25
C50049	1506-0103-017	CAP,0.01UF,100V,NPO
C50050	1506-0101-017	CAP,100pF,100V,5%,NPO
C50051	1620-5090-511	CAP,5pF,50V,CHIP
C50052	1506-0020-017	CAP,2.2pF,100V,NPO,25
C50053	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50054	1521-0000-004	CAP VAR,0.6-4.5pF,500V,7273
C50055	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50056	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50057	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50058	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50059	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C50060	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50061	1506-0020-017	CAP,2.2pF,100V,NPO,25
C50062	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50063	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50064	1506-0101-017	CAP,100pF,100V,5%,NPO
C50065	1506-0270-017	CAP,27pF,100V,5%,NPO
C50066	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50067	1506-0270-017	CAP,27pF,100V,5%,NPO
C50068	1506-0270-017	CAP,27pF,100V,5%,NPO
C50069	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50070	1506-0101-017	CAP,100pF,100V,5%,NPO
C50071	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C50072	1506-0101-017	CAP,100pF,100V,5%,NPO
C50074	1506-0103-017	CAP,0.01UF,100V,NPO
C50075	1506-0270-017	CAP,27pF,100V,5%,NPO
C50076	1506-0103-016	CAP,0.01UF,50V,5%,NPO
C50077	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50078	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C50080	1506-0100-017	CAP,10pF,100V,5%,NPO
C50082	1506-0270-017	CAP,27pF,100V,5%,NPO
C50083	1506-0270-017	CAP,27pF,100V,5%,NPO
C50084	1506-0270-017	CAP,27pF,100V,5%,NPO
C50086	1506-0270-017	CAP,27pF,100V,5%,NPO
C50087	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C50089	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C50090	1506-0220-017	CAP,22PF,100V,5%,NPO
C50092	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50093	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50095	1506-0100-017	CAP,10pF,100V,5%,NPO
C50096	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50097	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50098	1507-0685-018	CAP,6.8UF,35V,20%,TANT

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C50099	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50100	1506-0103-017	CAP,0.01UF,100V,NPO
C50102	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50103	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50104	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50105	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50106	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50107	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50108	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50109	1523-0000-002	CAP,1800pF,50V,X7R,CHIP
C50110	1506-0150-017	CAP,15pF,100V,5%,NPO
C50111	1620-5090-511	CAP,5pF,50V,CHIP
C50112	1506-0150-017	CAP,15pF,100V,5%,NPO
C50113	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50114	1506-0150-017	CAP,15pF,100V,5%,NPO
C50115	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50116	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50117	1620-5090-511	CAP,5pF,50V,CHIP
C50119	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50120	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50122	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50123	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50126	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50127	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50128	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50129	1550-0300-500	CAP VAR,2.0-8pF,350V,VPCM
C50130	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50131	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50132	1521-0000-004	CAP VAR,0.6-4.5pF,500V,7273
C50134	1550-0300-500	CAP VAR,2.0-8pF,350V,VPCM
C50135	1506-0100-017	CAP,10pF,100V,5%,NPO
C50136	1506-0050-017	CAP,5.6pF,100V,5%,NPO
C50137	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50138	1506-0102-017	CAP,1000pF,100V,5%,NPO
C50139	1506-0103-017	CAP,0.01UF,100V,NPO
C50140	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50142	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50143	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50145	1506-0101-017	CAP,100pF,100V,5%,NPO
C50146	1507-0685-018	CAP,6.8UF,35V,20%,TANT
C50147	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50148	1521-0000-008	CAP,0.1UF,50V,DIP,Z5U
C50149	1506-0030-017	CAP,3.3pF,100V,MICA,17
C50150	1523-0000-017	CAP,2pF,100V,CHIP
C50151	1620-1090-511	CAP,1pF,50V,CHIP
C50152	1506-0020-017	CAP,2.2pF,100V,NPO,25
C50153	1620-2200-500	CAP,22pF,100V,CHIP,NPO
C50154	1620-2210-600	CAP,220pF,100V,CHIP,NPO
C50155	1506-0020-017	CAP,2.2pF,100V,NPO,25
C50156	1620-5090-511	CAP,5pF,50V,CHIP
C50157	1523-0000-007	CAP,0.1UF,25V,Z5U,CHIP



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
C50158	1550-0100-510	CAP VAR,1.0-4.5pF,9410-0
CR50001	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50002	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50003	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50004	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50005	4816-0000-003	DIODE,5082-2835,S-BAR 8 VBR
CR50006	4816-0000-003	DIODE,5082-2835,S-BAR 8 VBR
CR50007	4816-0000-003	DIODE,5082-2835,S-BAR 8 VBR
CR50008	4816-0000-003	DIODE,5082-2835,S-BAR 8 VBR
CR50009	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR50010	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR50011	4831-0000-001	DIODE,FDH333 ,SIGNAL,HCLL
CR50012	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
CR50013	4818-0000-003	DIODE ZENER, 5.1V .5W
CR50014	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50015	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50016	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
CR50017	4826-0000-013	DIODE,VARAC 30PF/-3V RADIAL
CR50018	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR50019	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR50020	4828-0000-002	DIODE,PIN,.3 PF,100 NS
CR50021	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50028	4816-0000-001	DIODE,5082-2800,S BAR, 70VBR
CR50029	4815-0000-003	DIODE, 1N4148 ,SIGNAL, 75PRV
CR50030	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
CR50032	4818-0000-015	DIODE,LM329C,6.9V ZENER REF
J50001	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50002	2115-1002-015	CONN,MOLEX 22-05-2151
J50004	2129-1001-010	CONN,HEADER,10-P STR KEYED
J50005	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50006	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50007	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50008	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50009	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50010	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50011	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50012	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50013	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50014	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50015	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
J50016	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
K50001	4501-0000-003	RELAY,DIP REED,SPDT, 12VDC,.2A
K50002	4501-0000-003	RELAY,DIP REED,SPDT, 12VDC,.2A
L50001	1801-0229-001	IND, 2.2 UH,.4 OHM,1025-28
L50002	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50003	1801-0229-001	IND, 2.2 UH,.4 OHM,1025-28
L50004	1801-0337-002	IND, .033UH,.035OHM102604
L50005	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50006	1801-0337-002	IND, .033UH,.035OHM102604
L50007	1050-0000-071	WIRE,BUS,TINNED COPPER,18GA
L50008	1801-0337-002	IND, .033UH,.035OHM102604



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
L50009	1801-0229-001	IND, 2.2 UH,.4 OHM,1025-28
L50010	1801-0337-002	IND, .033UH,.035OHM102604
L50011	1801-0337-002	IND, .033UH,.035OHM102604
L50012	1801-0108-001	IND, .10UH,.08OHM,1025-94
L50013	1801-0229-001	IND, 2.2 UH,.4 OHM,1025-28
L50014	1801-0338-001	IND, .33UH,.2 OHM,1025-08
L50015	1801-0108-001	IND, .10UH,.08OHM,1025-94
L50017	1801-0108-001	IND, .10UH,.08OHM,1025-94
L50018	1801-0478-001	IND, 47UH,.35OHM,1025-12
L50020	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L50022	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L50023	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50024	1801-0229-001	IND, 2.2 UH,.4 OHM,1025-28
L50025	1801-0478-001	IND, .47UH,.35OHM,1025-12
L50026	1801-0229-001	IND, 2.2 UH,.4 OHM,1025-28
L50027	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50028	1801-0337-002	IND, .033UH,.035OHM102604
L50029	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50032	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50034	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50035	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50036	1801-0337-002	IND, .033UH,.035OHM102604
L50038	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50039	1801-0337-002	IND, .033UH,.035OHM102604
L50040	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50041	1801-0337-002	IND, .033UH,.035OHM102604
L50042	1801-0000-007	IND, .068 UH, .060 OHM
L50045	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50049	1806-0108-002	IND, .1 UH,.13OHM,0819-00
L50050	1801-0337-002	IND, .033UH,.035OHM102604
L50052	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50053	1801-0109-001	IND, 1.0 UH, 1 OHM,1025-20
L50060	6000-6050-260	WIRE,MAG,SINGLE BELDSOL,26 GA
L50062	6000-6050-260	WIRE,MAG,SINGLE BELDSOL,26 GA
L50063	1801-0338-001	IND, .33UH,.2 OHM,1025-08
MXR50001	5250-0804-301	MIXER,700-1500MHz TO-8
MXR50002	5250-0804-301	MIXER,700-1500MHz TO-8
MXR50003	5250-0000-008	PHASE DET.,FLTPK,5-1000MHz
Q50001	4805-0000-003	TRANS, 2N3646 ,NPN HS SW
Q50002	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50003	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50004	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50005	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50006	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50007	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50008	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50009	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50010	4809-0000-005	TRANS,66382
Q50011	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50012	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50013	4807-0000-002	TRANS, 2N3905 ,PNP HS SW



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
Q50014	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50015	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50016	4801-0000-001	TRANSISTOR NPN HS SW
Q50017	4805-0000-001	TRANS,2N2907A,PNP HS SW (3251)
Q50018	4809-0000-005	TRANS,66382
Q50019	4803-0000-004	TRANS,NPN,LP/VHF AMP
Q50020	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50021	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50022	4803-0000-004	TRANS,NPN,LP/VHF AMP
Q50026	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50027	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50029	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50030	5050-2401-000	TRANS,VN10KM N-CH VMOSFET
Q50031	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50032	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50033	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50034	4809-0000-005	TRANS,66382
Q50035	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50036	4803-0000-004	TRANS,NPN,LP/VHF AMP
Q50037	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50038	4809-0000-005	TRANS,66382
Q50039	4803-0000-004	TRANS,NPN,LP/VHF AMP
Q50040	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50041	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50042	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50043	4807-0000-001	TRANS, 2N3903 ,NPN HS SW
Q50044	5050-2502-005	TRANS, SI NPN,MED PWR L6GHZ
Q50045	4809-0000-005	TRANS,66382
Q50046	4809-0000-005	TRANS,66382
Q50047	4807-0000-002	TRANS, 2N3905 ,PNP HS SW
Q50048	4801-0000-004	TRANS, 2N2905 ,PNP HS SW
R50001	4701-0680-003	RES,68,1/8W,5%
R50002	4701-0101-003	RES,100,1/8W,5%
R50003	4701-0331-003	RES,330,1/8W,5%
R50004	4701-0331-003	RES,330,1/8W,5%
R50005	4701-0122-003	RES,1.2K,1/8W,5%
R50006	4701-0681-003	RES,680,1/8W,5%
R50007	4701-0222-003	RES,2.2K,1/8W,5%
R50008	4701-0101-003	RES,100,1/8W,5%
R50009	4701-0222-003	RES,2.2K,1/8W,5%
R50010	4701-0471-003	RES,470,1/8W,5%
R50011	4701-0222-003	RES,2.2K,1/8W,5%
R50012	4752-0102-002	POT 1K OHM
R50013	4701-0121-003	RES,120,1/8W,5%
R50014	4701-0103-003	RES,10K,1/8W,5%
R50015	4701-0272-003	RES,2.7K,1/8W,5%
R50016	4701-0183-003	RES,18K,1/8W,5%
R50017	4701-0102-003	RES,1.0K,1/8W,5%
R50018	4701-0331-003	RES,330,1/8W,5%
R50019	4701-0330-003	RES,33,1/8W,5%
R50020	4701-0331-003	RES,330,1/8W,5%



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R50021	4701-0681-003	RES,680,1/8W,5%
R50022	4701-0102-003	RES,1.0K,1/8W,5%
R50023	4701-0223-003	RES,22K,1/8W,5%
R50024	4701-0331-003	RES,330,1/8W,5%
R50025	4701-0103-003	RES,10K,1/8W,5%
R50026	4706-1002-001	RES,10.0K,1/4W,1%
R50027	4701-0681-003	RES,680,1/8W,5%
R50028	4706-1002-001	RES,10.0K,1/4W,1%
R50029	4701-0181-003	RES,180,1/8W,5%
R50030	4701-0103-003	RES,10K,1/8W,5%
R50031	4701-0103-003	RES,10K,1/8W,5%
R50032	4701-0103-003	RES,10K,1/8W,5%
R50033	4701-0181-003	RES,180,1/8W,5%
R50034	4701-0470-003	RES,47,1/8W,5%
R50035	4701-0271-003	RES,270,1/8W,5%
R50036	4701-0181-003	RES,180,1/8W,5%
R50037	4701-0181-003	RES,180,1/8W,5%
R50038	4701-0103-003	RES,10K,1/8W,5%
R50039	4701-0150-003	RES,15,1/8W,5%
R50039SAT	4701-0123-003	RES,12K,1/8W,5%
R50040	4701-0101-003	RES,100,1/8W,5%
R50041	4701-0472-003	RES,4.7K,1/8W,5%
R50042	4701-0331-003	RES,330,1/8W,5%
R50043	4701-0470-003	RES,47,1/8W,5%
R50044	4701-0472-003	RES,4.7K,1/8W,5%
R50045	4701-0103-003	RES,10K,1/8W,5%
R50046	4701-0330-003	RES,33,1/8W,5%
R50047	4701-0223-003	RES,22K,1/8W,5%
R50047SAT	4701-0183-003	RES,18K,1/8W,5%
R50048	4701-0101-003	RES,100,1/8W,5%
R50049	4701-0122-003	RES,1.2K,1/8W,5%
R50050	4701-0122-003	RES,1.2K,1/8W,5%
R50052	4701-0101-003	RES,100,1/8W,5%
R50053	4701-0222-003	RES,2.2K,1/8W,5%
R50054	4701-0330-003	RES,33,1/8W,5%
R50055	4701-0101-003	RES,100,1/8W,5%
R50056	4701-0473-003	RES,47K,1/8W,5%
R50057	4701-0152-003	RES,1.5K,1/8W,5%
R50058	4701-0473-003	RES,47K,1/8W,5%
R50059	4701-0152-003	RES,1.5K,1/8W,5%
R50060	4752-0503-002	POT 50K OHM
R50061	4701-0103-003	RES,10K,1/8W,5%
R50061SAT	4701-0822-003	RES,8.2K,1/8W,5%
R50062	4701-0102-003	RES,1.0K,1/8W,5%
R50063	4701-0101-003	RES,100,1/8W,5%
R50064	4701-0473-003	RES,47K,1/8W,5%
R50065	4752-0503-002	POT 50K OHM
R50066	4701-0330-003	RES,33,1/8W,5%
R50067	4701-0183-003	RES,18K,1/8W,5%
R50068	4701-0222-003	RES,2.2K,1/8W,5%
R50069	4752-0203-002	POT 20K OHM



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R50070	4701-0472-003	RES,4.7K,1/8W,5%
R50071	4701-0823-003	RES,82K,1/8W,5%
R50072	4701-0273-003	RES,27K,1/8W,5%
R50073	4701-0272-003	RES,2.7K,1/8W,5%
R50074	4701-0472-003	RES,4.7K,1/8W,5%
R50075	4701-0563-003	RES,56K,1/8W,5%
R50076	4701-0561-003	RES,560,1/8W,5%
R50077	4752-0103-002	POT 10K OHM
R50078	4701-0103-003	RES,10K,1/8W,5%
R50079	4701-0331-003	RES,330,1/8W,5%
R50080	4701-0104-003	RES,100K,1/8W,5%
R50081	4701-0394-003	RES,390K,1/8W,5%
R50081SAT	4701-0334-003	RES,330K,1/8W,5%
R50082	4701-0223-003	RES,22K,1/8W,5%
R50083	4701-0272-003	RES,2.7K,1/8W,5%
R50084	4701-0221-003	RES,220,1/8W,5%
R50085	4701-0152-003	RES,1.5K,1/8W,5%
R50086	4701-0103-003	RES,10K,1/8W,5%
R50087	4701-0104-003	RES,100K,1/8W,5%
R50088	4701-0471-003	RES,470,1/8W,5%
R50089	4701-0124-003	RES,120K,1/8W,5%
R50090	4752-0104-002	POT 100K OHM
R50091	4701-0104-003	RES,100K,1/8W,5%
R50092	4701-0102-003	RES,1.0K,1/8W,5%
R50093	4701-0223-003	RES,22K,1/8W,5%
R50094	4701-0271-003	RES,270,1/8W,5%
R50095	4701-0823-003	RES,82K,1/8W,5%
R50096	4701-0221-003	RES,220,1/8W,5%
R50097	4701-0221-003	RES,220,1/8W,5%
R50098	4701-0472-003	RES,4.7K,1/8W,5%
R50099	4701-0102-003	RES,1.0K,1/8W,5%
R50100	4701-0123-003	RES,12K,1/8W,5%
R50101	4701-0273-003	RES,27K,1/8W,5%
R50102	4701-0221-003	RES,220,1/8W,5%
R50103	4701-0471-003	RES,470,1/8W,5%
R50104	4701-0680-003	RES,68,1/8W,5%
R50105	4701-0680-003	RES,68,1/8W,5%
R50106	4701-0271-003	RES,270,1/8W,5%
R50107	4701-0471-003	RES,470,1/8W,5%
R50108	4701-0151-003	RES,150,1/8W,5%
R50109	4753-0201-002	POT 200 OHM
R50110	4701-0390-003	RES,39,1/8W,5%
R50111	4701-0151-003	RES,150,1/8W,5%
R50112	4701-0471-003	RES,470,1/8W,5%
R50113	4701-0223-003	RES,22K,1/8W,5%
R50114	4701-0560-003	RES,56,1/8W,5%
R50114SAT	4701-0121-003	RES,120,1/8W,5%
R50114SAT	4701-0151-003	RES,150,1/8W,5%
R50114SAT	4701-0181-003	RES,180,1/8W,5%
R50114SAT	4701-0390-003	RES,39,1/8W,5%
R50114SAT	4701-0820-003	RES,82,1/8W,5%



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PCB ASSY, DISCR BD NO.1 (cont)

K

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R50115	4701-0680-003	RES,68,1/8W,5%
R50116	4701-0471-003	RES,470,1/8W,5%
R50117	4701-0181-003	RES,180,1/8W,5%
R50118	4702-0181-003	RES,180,1/4W,5%
R50119	4701-0101-003	RES,100,1/8W,5%
R50120	4701-0181-003	RES,180,1/8W,5%
R50122	4701-0560-003	RES,56,1/8W,5%
R50123	4702-0331-003	RES,330,1/4W,5%
R50124	4701-0273-003	RES,27K,1/8W,5%
R50125	4701-0181-003	RES,180,1/8W,5%
R50126	4702-0181-003	RES,180,1/4W,5%
R50129	4701-0103-003	RES,10K,1/8W,5%
R50131	4702-0151-003	RES,150,1/4W,5%
R50132	4701-0471-003	RES,470,1/8W,5%
R50133	4701-0471-003	RES,470,1/8W,5%
R50134	4701-0221-003	RES,220,1/8W,5%
R50135	4701-0331-003	RES,330,1/8W,5%
R50136	4701-0470-003	RES,47,1/8W,5%
R50138	4701-0392-003	RES,3.9K,1/8W,5%
R50139	4701-0221-003	RES,220,1/8W,5%
R50140	4701-0471-003	RES,470,1/8W,5%
R50141	4701-0151-003	RES,150,1/8W,5%
R50142	4701-0103-003	RES,10K,1/8W,5%
R50146	4701-0470-003	RES,47,1/8W,5%
R50147	4701-0473-003	RES,47K,1/8W,5%
R50148	4701-0680-003	RES,68,1/8W,5%
R50150	4701-0470-003	RES,47,1/8W,5%
R50151	4701-0681-003	RES,680,1/8W,5%
R50152	4701-0471-003	RES,470,1/8W,5%
R50153	4701-0470-003	RES,47,1/8W,5%
R50154	4701-0470-003	RES,47,1/8W,5%
R50155	4701-0222-003	RES,2.2K,1/8W,5%
R50156	4701-0152-003	RES,1.5K,1/8W,5%
R50157	4701-0221-003	RES,220,1/8W,5%
R50158	4752-0503-002	POT 50K OHM
R50159	4701-0473-003	RES,47K,1/8W,5%
R50160	4701-0150-003	RES,15,1/8W,5%
R50161	4701-0681-003	RES,680,1/8W,5%
R50162	4701-0103-003	RES,10K,1/8W,5%
R50163	4701-0681-003	RES,680,1/8W,5%
R50164	4701-0222-003	RES,2.2K,1/8W,5%
R50165	4701-0680-003	RES,68,1/8W,5%
R50166	4701-0101-003	RES,100,1/8W,5%
R50167	4701-0561-003	RES,560,1/8W,5%
R50168	4701-0220-003	RES,22,1/8W,5%
R50169	4701-0101-003	RES,100,1/8W,5%
R50170	4701-0221-003	RES,220,1/8W,5%
R50171	4701-0473-003	RES,47K,1/8W,5%
R50172	4701-0473-003	RES,47K,1/8W,5%
R50173	4701-0150-003	RES,15,1/8W,5%
R50174	4701-0102-003	RES,1.0K,1/8W,5%



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R50175	4701-0102-003	RES,1.0K,1/8W,5%
R50176	4701-0681-003	RES,680,1/8W,5%
R50177	4701-0680-003	RES,68,1/8W,5%
R50178	4701-0221-003	RES,220,1/8W,5%
R50179	4701-0471-003	RES,470,1/8W,5%
R50180	4701-0273-003	RES,27K,1/8W,5%
R50181	4701-0102-003	RES,1.0K,1/8W,5%
R50182	4752-0501-002	POT, 500 OHM
R50183	4701-0470-003	RES,47,1/8W,5%
R50184	4701-0101-003	RES,100,1/8W,5%
R50185	4701-0471-003	RES,470,1/8W,5%
R50186	4701-0102-003	RES,1.0K,1/8W,5%
R50187	4701-0102-003	RES,1.0K,1/8W,5%
R50188	4701-0222-003	RES,2.2K,1/8W,5%
R50189	4701-0390-003	RES,39,1/8W,5%
R50190	4701-0102-003	RES,1.0K,1/8W,5%
R50191	4701-0561-003	RES,560,1/8W,5%
R50193	4701-0680-003	RES,68,1/8W,5%
R50194	4701-0471-003	RES,470,1/8W,5%
R50195	4701-0101-003	RES,100,1/8W,5%
R50196	4701-0471-003	RES,470,1/8W,5%
R50197	4701-0104-003	RES,100K,1/8W,5%
R50198	4701-0680-003	RES,68,1/8W,5%
R50199	4701-0152-003	RES,1.5K,1/8W,5%
R50200	4701-0471-003	RES,470,1/8W,5%
R50201	4701-0472-003	RES,4.7K,1/8W,5%
R50203	4701-0470-003	RES,47,1/8W,5%
R50204	4701-0181-003	RES,180,1/8W,5%
R50205	4701-0181-003	RES,180,1/8W,5%
R50206	4701-0221-003	RES,220,1/8W,5%
R50207	4701-0221-003	RES,220,1/8W,5%
R50209	4701-0151-003	RES,150,1/8W,5%
R50210	4701-0222-003	RES,2.2K,1/8W,5%
R50211	4701-0222-003	RES,2.2K,1/8W,5%
R50212	4701-0220-003	RES,22,1/8W,5%
R50213	4701-0220-003	RES,22,1/8W,5%
R50214	4701-0220-003	RES,22,1/8W,5%
R50215	4701-0220-003	RES,22,1/8W,5%
R50216	4701-0151-003	RES,150,1/8W,5%
R50218	4722-1500-001	RES,150,1/8W,1%
R50219	4722-1500-001	RES,150,1/8W,1%
R50220	4701-0390-003	RES,39,1/8W,5%
TB50001	2155-1010-020	TERM STRIP,.100C,STR,20-P
TB50002	2155-1010-020	TERM STRIP,.100C,STR,20-P
TB50003	2155-1010-020	TERM STRIP,.100C,STR,20-P
TP50001	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50002	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50003	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50004	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50005	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50006	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG



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PCB ASSY, DISCR BD NO.1 (cont)

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REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
TP50007	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50008	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50010	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50011	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50012	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50013	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50014	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50015	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50016	2114-0000-007	TEST POINT,LOOP PROFILE,WHITE*
TP50018	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
TP50020	2200-2010-400	CONN,M SMB,PC MTG,STR,.453LG
U50001	3132-0000-004	IC,74S04,HEX INVERTER
U50002	3132-0000-001	IC,74S00,QUAD 2-INPUT NAND
U50003	3131-0000-044	IC,74LS00,QUAD 2-INPUT NAND
U50004	3131-0000-038	IC,74LS74A,DUAL D FLIP-FLOP
U50005	3211-3161-000	IC,74LS161,SYNC 4-BIT BIN CTR
U50007	3221-0001-000	IC,353,DUAL JFET OP AMP
U50008	3214-4098-100	IC,4098B,DUAL MULTIVIBRATOR
U50009	3133-0000-004	IC,4027B,DUAL JK MS FLIP-FLOP
U50010	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U50011	3133-0000-001	IC,4001B,QUAD 2-INPUT NOR
U50012	3133-0000-007	IC,4066B,QUAD BILATERAL SWITCH
U50013	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U50014	3214-4098-100	IC,4098B,DUAL MULTIVIBRATOR
U50015	3133-0000-007	IC,4066B,QUAD BILATERAL SWITCH
U50016	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U50017	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U50018	3133-0000-011	IC,4011B,QUAD 2-INPUT NAND
U50019	3133-0000-024	IC,3130,BIMOS OP AMP,PLAST DIP
U50020	5050-2501-100	IC,MSA-0335-22,IC AMP
U50021	5050-2501-100	IC,MSA-0335-22,IC AMP
U50022	5050-2501-100	IC,MSA-0335-22,IC AMP
W50001	6042-4986-500	COAX .086 SR 1.25 LG

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PCB ASSY, DISCR BD NO.1

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The following part numbers have been changed:

REFERENCE DESIGNATOR	PART NUMBER	DESCRIPTION
R50039	4701-0123-003	RES,12K,1/8W,5%
R50039SAT	4701-0153-003	RES,15K,1/8W,5%