

Part Number	Description	Qty
RX400	WIDEBAND RECEIVER	
21200	L/F SWITCHING SUPPLY	1.0000
27071	FUSE 1A TIME/DELAY 5X20MM	2.0000
32151	SW DP W/NEON LAMP	1.0000
35319	AC INLET	1.0000
38327	LAIRD TECH 97-438-02	0.0350
38330	PLASTIC FAN FILTER ASSY	1.0000
38334	COVER, AC PLUG 1.075 X	1.0000
42052	HEYCO SHORTY BUSHING 2817	4.0000
46202	CABLE-SAMTEC W/FERRITE	2.0000
46203	CABLE-SAMTEC W/FERRITE	1.0000
46204	CABLE-SAMTEC W/FERRITE	4.0000
46207	DO NOT ORDER COAX CABLE	9.0000
52036	GASKET-CHO SEAL COND	6.6250
53061	STANDOFF HEX .250 X .500L	1.0000
60032	SCREW-ST,4X40,1/4LG,BD,PH	4.0000
60044	SCREW 4-40X3/8 FLAT HD PH	4.0000
60069	SCREW 440 X 3/8 PH PAN	12.0000
60080	SCREW - 440-3/16 UNDERCUT	15.0000
60115	SCREW 2X56 1/4 FL HD TRI-	48.0000
60116	SCREW 2X56 1/4 PN HD TRI-	72.0000
60117	SCREW 2X56 1/2 PN HD TRI-	48.0000
60118	SCREW 4-40 X 1/4 PAN HD	29.0000
65015	SCREW-SET,4X40,3/16LG,ALL	1.0000
65050	SCREW-ST,6X32,1/4LG,OVAL,	4.0000
65056	SCREW-TAPTITE 4-40 X 5/16	14.0000
65057	SCREW- #4 X 3/8 PANHEAD,	4.0000
82008	RX400 1ST CONV PCB	1.0000
82009	RX400 2ND CONV PCB	1.0000
82010	RX400 3RD CONV PCB	1.0000
82011	RX400 1ST LO PCB	1.0000
82012	RX400 2ND LO PCB	1.0000
82013	RX400 3RD LO PCB	1.0000
82014	RX400 LOWBAND PRESELECTOR	1.0000
82015	RX400 MID TO HIGH-BAND	1.0000
82028	RX400 FRONT PANEL BOARD	1.0000
82029	RX400 REFERENCE BOARD	1.0000
82031	RX400 DIVIDER BOARD	1.0000
82032	POWER SUPPLY FILTER S/A	1.0000
82036	DSP/CPU RX400	1.0000
86122-13	21.4 WIDE BAND OUT	1.0000
86122-14	AC LINE	1.0000
86122-15	AC NETURAL	1.0000
86122-16	AC GROUNDL	1.0000
86122-A	CABLE RX400	1.0000
86122-M	CABLE RX400	1.0000
89152	PKG KIT RX400	1.0000
90930-A	KNOB RX340	1.0000
93760	FAN BRACKET RX400	1.0000

Part Number	Description	Qty
93761	BOTTOM COVER RX400	1.0000
93762-FE1C	FRONT PANEL RX400	1.0000
93763	TOP COVER RX400	1.0000
93764-1A	BOTTOM BRACKET RX400	1.0000
93765	PRESELECTOR DECK RX400	1.0000
93766	D.N.O. RF DECK RX400	1.0000
93767-1B	CHASSIS RX400	1.0000
93850	POWER SUPPLY BASE RX400	1.0000
93851	POWER SUPPLY TOP RX400	1.0000
93852	PLATE CONN COVER RX400	1.0000
98584	RF HOUSING, TOP MOD.	6.0000
98585	RF HOUSING BOTTOM MOD.	6.0000
98589	SERIAL TAG MODEL RX400	1.0000

82011 First LO Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21370	22nH LQW18AN22NJ	1	L3
21424	12 uh 1812CS	2	L1, L5
21425	15 uh 1812CS	1	L2
23437	.1uF 50V Z5U	1	C5
23472	68pf cap	1	C56
23474	100pf cap	14	C31-C32, C40, C55, C57-C65, C70
23486	1000pf cap	8	C3, C28, C35, C37, C49-C50, C81, C85
23487	0.01uf cap	5	C21, C24-C25, C53-C54
23488	0.1uf cap	2	C19, C47
23589	47pF GMC10 0603	15	C11-C12, C14, C16-C18, C26-C27, C29-C30, C33-C34, C39, C51-C52
23614	.00056 uf ECH	1	C73
23615	.0015 uf ECH	1	C10
23616	.0018 uf ECH	1	C72
23617	.0022 uf ECH	1	C9
23618	.0047 uf ECH	1	C6
23619	.0056 uf ECH	2	C7-C8
23622	.033 uf ECH 50V	1	C4
23661	10uf tant 35V TAJ	2	C23, C45
23671	22uF cap tant 10V	13	C2, C13, C15, C20, C36, C38, C41-C44, C46, C48, C66
25375	mmbt3904 trans.	3	Q2, Q4, Q10
25376	mmbt3906 trans.	1	Q5
25412	2N7002LT1	1	Q3
25436	MMBTA14LT1 NPN	2	Q1, Q12
25551	BFS17A	1	Q11
25553	HMC426MS8	2	U6-U7
25555	HMC435 Switch	1	U11
25589	LM1117-ADJ-Regulator	2	U8-U9
25592	AD829AR	1	U2
25620	ADF4153BRUZ	1	U1
25621	ML AMP MNA-7+	1	U4
25622	RF Amp MGA-85563	1	U5
25623	mmbt4403 trans.	2	Q8-Q9
28124	MMSD914T1	2	D1-D2
30635	5.6 ohm RM10J	1	R20
30638	10 ohm	3	R12, R34, R60
30642	22 ohm	4	R10, R40-R41, R47
30646	47 OHM	1	R19
30650	100 ohm res	7	R5-R6, R8, R54, R56, R59, R76
30655	270 ohm res.	2	R9, R15
30662	1K Ohm res.	5	R1, R49, R67, R71, R75
30664	1.5k res.	3	R2-R3, R44
30667	2.7K OHM	1	R91
30674	10k res.	6	R27-R29, R48, R50, R68
30686	100K OHM RES.	5	R4, R7, R52, R57-R58
30739	51 ohm	2	R11, R55
30747	510 ohm	2	R35-R36

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30759	12 ohm RM06J 0603	1	R26
30777	121 ohm RM10F 1%	2	R42, R45
30779	200 ohm RM10F	1	R43
30785	562 ohm RM10F	1	R46
30788	2.0k ohm RM10J	1	R16
30790	10k ohm 1%	1	R69
30795	61.9k ohm 1%	1	R70
30798	62 ohm ERJ-3GEYJ	1	R37
30811	22 ohm ERJ-3GEYJ	1	R38
30812	27 ohm ERJ-3GEYJ	1	R24
30813	33 ohm ERJ-3GEYJ	1	R18
30814	36 ohm ERJ-3GEYJ	1	R31
30815	51 ohm ERJ-3GEYJ	2	R17, R51
30816	100 ohm ERJ-3GEYJ	1	R25
30817	110 ohm ERJ-3GEYJ	2	R32-R33
30818	150 ohm ERJ-3GEYJ	2	R23, R30
30819	18k ohm ERJ-6GEYJ	1	R53
30821	16 ohm ERJ-3GEYJ	4	R13-R14, R21-R22
30823	10 ohm ERJ-3GEYJ	1	R39
35350	16 Pin Header	1	J1
48318	VCO, 2270-3180MHZ	1	U3
48319	VCO, 3180-4090MHZ	1	U10
48324	Filter HFCN-2275+	1	FIL 1
48327	Filter LFCN-105+	1	FIL 2
78317-D	1st LO Bare PCB	1	

82012 Second LO Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21381	47nH LQW18AN47NJ	1	L3
21424	12 uh 1812CS	2	L1-L2
21425	15 uh 1812CS	1	L4
23472	68pf cap	1	C56
23474	100pf cap	9	C25, C32-C39
23486	1000pf cap	3	C3, C40, C49
23487	0.01uf cap	5	C21, C24, C27, C30-C31
23488	0.1uf cap	3	C5, C11, C47
23588	100pF GMC10 0603	8	C17-C19, C28-C29, C52-C54
23614	.00056 uf ECH	1	C9
23615	.0015 uf ECH	1	C50
23616	.0018 uf ECH	1	C6
23617	.0022 uf ECH	1	C10
23618	.0047 uf ECH	1	C7
23619	.0056 uf ECH	2	C8, C51
23623	.22 uf ECH 2416	1	C4
23637	1000pf 10% 50V X7R	4	C12, C14, C16, C20
23661	10uf tant 35V TAJ	1	C45
23671	22uf tant 16V	12	C2, C13, C15, C22-C23, C26, C41-C44, C46, C48
25375	mmbt3904 trans.	3	Q2, Q11, Q13
25376	mmbt3906 trans.	1	Q5
25436	MMBTA14LT1 NPN	2	Q3, Q9
25551	BFS17A	1	Q1
25555	HMC435 Switch	1	U4
25589	LM1117-ADJ-Regulator	2	U8-U9
25592	AD829AR	1	U2
25604	GALI-1+	1	U5
25620	ADF4153BRUZ	1	U1
25623	mmbt4403 trans.	2	Q10, Q12
28124	MMSD914T1	2	D1-D2
30638	10 ohm	2	R12, R40
30642	22 ohm	2	R10, R47
30646	47 OHM	1	R52
30650	100 ohm res	7	R6, R8-R9, R28, R37, R39, R49
30655	270 ohm res.	1	R50
30662	1K Ohm res.	3	R1, R41, R58
30664	1.5k res.	2	R2-R3
30667	2.7K OHM	2	R5, R44
30674	10k res.	8	R23, R27, R48, R55-R57, R59-R60
30686	100K OHM RES.	4	R4, R7, R24, R29
30739	51 ohm	2	R11, R38
30761	18 ohm RM06J 0603	3	R13, R34, R54
30763	300 ohm RM06J 0603	6	R14-R15, R19-R20, R35-R36
30777	121 ohm RM10F 1%	2	R42, R45
30779	200 ohm RM10F	1	R43
30782	390 ohm RM10J	4	R30-R33
30785	562 ohm RM10F	1	R46
30788	2.0k ohm RM10J	1	R51

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30790	10k ohm 1%	1	R25
30795	61.9k ohm 1%	1	R26
30815	51 ohm ERJ-3GEYJ	1	R22
30820	zero ohm RM06J 0603	1	R21
30821	16 ohm ERJ-3GEYJ	3	R16-R18
35350	16 Pin Header	1	J1
48315	VCO, 2300 MHZ	1	U3
48317	VCO, 950 MHZ	1	U6
48329	Filter HFCN-880+	1	FIL1
78318-C	2nd LO Bare Board	1	

82013 Third LO Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21236	15 uh	1	L3
21319	82 nH Midi Spring inductor	1	L12
21382	560nH 5%	3	L4-L6
21383	2.7uH 1008CS 5%	1	L8
23454	2.2pf cap	2	C9, C22
23456	3.3pf cap	1	C47
23458	4.7pf cap	2	C33, C53
23460	6.8pf cap	1	C40
23461	8.2pf cap	1	C31
23462	10pf cap	1	C32
23469	39pf cap	1	C36
23470	47pf cap	2	C29, C54
23472	68pf cap	2	C37, C49
23474	100pf cap	16	C17-C18, C23, C28, C30, C43, C48, C55-C56, C59, C88-C93
23486	1000pf cap	10	C3, C8, C12, C14, C20, C34-C35, C38, C70, C73
23487	0.01uf cap	5	C10, C24, C50-C51, C60
23488	0.1uf cap	9	C5, C7, C16, C19, C21, C27, C39, C52, C62
23618	.0047 uf ECH	2	C1, C57
23620	.022 uf ECH	1	C4
23623	.22 uf ECH 2416	1	C58
23661	10uf tant 35V TAJ	1	C45
23671	22uF cap tant 10V	12	C6, C11, C13, C15, C25-C26, C41-C42, C44, C46, C71-C72
25375	mmbt3904 trans.	3	Q4, Q8, Q11
25412	2N7002LT1	1	Q12
25436	MMBTA14LT1 NPN	4	Q1-Q3, Q10
25441	SA612AD	1	U11
25502	ADF4111BRU 1.2 GHZ PLLW	2	U1, U10
25551	BFS17A	4	Q5-Q7, Q9
25589	LM1117-ADJ-Regulator	1	U9
25604	GALI-1+	1	U4
28187	mmbv105GLT1 trans.	1	D2
30638	10 ohm	7	R1, R30, R32, R36, R38, R54, R56
30641	18 ohm	1	R50
30642	22 ohm	5	R3, R12, R20-R21, R60
30643	27 ohm	1	R48
30644	33 ohm	1	R55
30650	100 ohm res	11	R5, R7, R31, R37, R67, R70-R71, R74-R75, R98-R99
30655	270 ohm res.	3	R26, R34, R47
30662	1K Ohm res.	2	R9, R68
30666	2.2K OHM RES.	1	R96
30667	2.7K OHM	3	R11, R25, R33
30668	3.3K OHM	1	R66
30670	4.7K OHM RES.	2	R44, R57

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30672	6.8K OHM RES.	1	R6
30674	10k res.	6	R10, R23, R59, R61, R63-R64
30681	39k ohm	1	R24
30686	100K OHM RES.	8	R4, R8, R19, R58, R65, R69, R72-R73
30741	12 ohm	2	R2, R17
30760	16 ohm RM10J	3	R13-R15
30771	39 ohm RM10J	2	R16, R18
30774	56 ohm RM10J	1	R53
30777	121 ohm RM10F 1%	1	R45
30780	300 ohm RM10J	3	R51-R52, R97
30782	390 ohm RM10J	4	R39-R41, R49
30785	562 ohm RM10F	1	R46
30788	2.0k ohm RM10J	3	R22, R27, R35
30790	10k ohm 1%	2	R28, R42
30791	12.1K ohm RM10F 1%	1	R43
30794	56.2k ohm 1%	1	R29
35350	16 Pin Header	1	J1
48316	VCO, 780-788 MHZ	1	U3
78319-B	3rd LO Bare PCB	1	
93846	RF Shield	1	

82010 Third Converter Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21210	0.10 uh	1	L11
21218	0.47 uh	7	L2, L4, L7-L10, L12
21375	1000 EXC-3BB102H	1	B1
21378	Coupler TCD-10-1W+	1	U1
23456	3.3pf cap	2	C8, C17
23462	10pf cap	1	C70
23465	18pf cap	4	C4, C12-C13, C23
23473	82pf cap	4	C43, C48-C49, C51
23474	100pf cap	4	C65-C68
23477	180pf cap	6	C7, C10, C16, C19, C47, C50
23486	1000pf cap	8	C3, C6, C21-C22, C64, C76-C78
23487	0.01uf cap	18	C1-C2, C5, C14-C15, C24-C28, C31-C37, C69
23488	0.1uf cap	6	C38-C39, C53-C54, C56-C57
23527	Film Cap 0.47uF	1	C71
23537	CAP-VAR 2-10PF	4	C9, C11, C18, C20
23661	10uf tant 35V TAJ	3	C30, C40, C45
23671	22uF cap tant 10V	10	C29, C41, C44, C46, C59-C62, C72-C73
25375	mmbt3904 trans.	1	Q1
25376	mmbt3906 trans.	1	Q4
25406	TLO82CD	3	U7-U9
25496	MC78L05ACD 5V VOLTAGE REG	1	U12
25524	RF Amp, MAV-11SM+	3	U2, U4, U15
25589	LM1117-ADJ-Regulator	1	U11
25603	Volt Reg LM3371MP	2	U10, U13
25609	LMH6702MA/NOPB	2	U5-U6
25615	AD600AR	1	U3
25626	Freq. Mixer ADE-11HW+	1	MX1
28124	MMSD914T1	3	D1-D3
28125	1N4007 Diode	1	D4
28186	Diode BAT54TW-7-F	1	IC1
30638	10 ohm	2	R70, R83
30642	22 ohm	2	R93-R94
30644	33 ohm	1	R22
30646	47 OHM	5	R27-R28, R53, R75, R80
30648	68 OHM	1	R20
30650	100 ohm res	21	R2-R5, R18-R19, R25, R30-R33, R39-R40, R50, R54-R55, R85-R88, R95
30654	220 ohm res.	2	R23, R26
30655	270 ohm res.	1	R84
30662	1K Ohm res.	4	R21, R24, R41, R57
30663	1.2k ohm res.	1	R42
30666	2.2K OHM RES.	5	R15, R52, R66, R81-R82
30673	8.2k ohm res.	1	R17
30674	10k res.	2	R48-R49
30678	22K OHM RES.	2	R47, R56
30682	47K OHM RES.	1	R51
30686	100K OHM RES.	6	R29, R34-R36, R43, R79

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30696	680K OHM RES.	1	R44
30738	120 ohm 5%	4	R60-R63
30739	51 ohm	1	R1
30741	12 ohm	5	R6, R9-R10, R89, R92
30746	1.3k ohm	1	R16
30777	121 ohm RM10F 1%	3	R45, R58, R64
30781	365 ohm RM10F 1%	1	R65
30783	430 ohm RM10J	8	R7-R8, R11-R14, R90-R91
30784	499 ohm RM10F 1%	1	R59
30785	562 ohm RM10F	1	R46
30793	51K ohm RM10J	2	R37-R38
30822	Trimmer Pot 1k	2	R69, R96
35350	16 Pin Header	1	J1
48327	Filter LFCN-105+	1	FIL1
78316-E	3rd Converter Bare PCB	1	
85437	Coil Assembly	4	

82009 Second Converter Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21218	0.47 uh	4	L1-L3, L9
21247	.047 uh	2	L10-L11
21375	1000 EXC-3BB102H	2	B1-B2
21388	120nH	1	L8
21400	100 nH 5%	1	L7
21422	18nH 1206CS-180XJLB	1	L6
21684	15nH 1206CS-150XJLB	2	L4-L5
23461	8.2pf cap	1	C51
23464	15pf cap	2	C50, C52
23468	33pf cap	1	C36
23470	47pf cap	2	C20, C25
23471	56pf cap	1	C48
23472	68pf cap	2	C29, C31
23474	100pf cap	2	C23-C24
23486	1000pf cap	28	C2-C13, C15, C18, C21-C22, C26-C27, C33, C35, C37, C39-C43, C47, C49
23487	0.01uf cap	3	C16, C19, C28
23661	10uf tant 35V TAJ	2	C34, C45
23671	22uF cap tant 10V	5	C14, C17, C38, C44, C46
25375	mmbt3904 trans.	2	Q3, Q5
25379	PZT2907AT1	2	Q1, Q4
25403	74HC14M	1	IC1
25496	MC78L05ACD 5V VOLTAGE REG	1	U12
25524	RF Amp, MAV-11SM+	2	U2, U4
25555	HMC435 Switch	3	U1, U6-U7
25589	LM1117-ADJ-Regulator	1	U11
25606	ML AMPL Gali-49+	1	U3
25613	DbI Bal Mix ADE-25MH	1	MX1
25624	ML AMPL ERA-4SM+	2	U5, U8
25640	Freq. Mixer ADE-1MHW	1	MX2
30629	0 ohm jumper	2	C1, C32
30635	5.6 ohm RM10J	6	R1, R4, R10, R27-R28, R52
30650	100 ohm res	6	R30-R34, R36
30652	150 ohm res.	2	R50-R51
30660	680 ohm res.	2	R13, R20
30662	1K Ohm res.	4	R18, R25, R29, R38
30668	3.3K OHM	2	R19, R26
30686	100K OHM RES.	2	R35, R37
30739	51 ohm	1	R7
30762	36 ohm RM10J360CT	1	R49
30765	910 ohm RM06J 0603	8	R2-R3, R5-R6, R11-R12, R53-R54
30769	18 ohm RM10J	1	R55
30775	62 ohm RM10J	6	R15-R17, R22-R24
30777	121 ohm RM10F 1%	3	R8-R9, R45
30778	160 ohm RM10J	8	R39-R44, R47-R48
30780	300 ohm RM10J	2	R56-R57
30785	562 ohm RM10F	1	R46
30787	1.1K ohm RM10J	2	R14, R21

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
35350	16 Pin Header	1	J1
48325	Filter Sawtek 856064	1	FIL2
48326	SAW Filter 85066	1	FIL1
48327	Filter LFCN-105+	3	FIL3-FIL5
48328	Filter LFCN-225+	1	FIL6
48329	Filter HFCN-880+	1	FIL7
78315-D	2nd Converter Bare PCB	1	

82008 First Converter Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21247	.047 uh	2	L3-L4
21375	1000 EXC-3BB102H	11	B1-B4, B6-B12
21410	27nH	3	L5-L6, L8
21419	220nH 5%	3	L1-L2, L7
23470	47pf cap	4	C22-C25
23474	100pf cap	2	C21, C39
23486	1000pf cap	3	C28, C30, C35
23487	0.01uf cap	7	C29, C32-C33, C36, C40-C41, C52
23588	100pF GMC10 0603	11	C2, C4, C11-C15, C17-C18, C42-C43
23589	47pF GMC10 0603	10	C3, C5-C8, C10, C16, C19-C20, C54
23633	22pf 50V	8	C9, C26, C47-C51, C53
23637	1000pf 10% 50V X7R	1	C1
23661	10uf tant 35V TAJ	2	C34, C45
23671	22uF cap tant 10V	6	C27, C31, C37-C38, C44, C46
25375	mmbt3904 trans.	2	Q1, Q6
25379	PZT2907AT1	3	Q2, Q4-Q5
25403	74HC14M	1	IC1
25496	MC78L05ACD 5V VOLTAGE REG	1	U8
25555	HMC435 Switch	2	U1, U4
25589	LM1117-ADJ-Regulator	1	U9
25605	ML AMPL Gali-21+	4	U2-U3, U5-U6
25607	GALI-51+ ML AMPL	1	U7
25610	74HC08D	1	IC2
25614	DbI Bal Mix ADE-42MH+	1	MX1
30635	5.6 ohm RM10J	4	R30-R32, R37
30646	47 OHM	3	R42-R44
30650	100 ohm res	2	R28, R61
30660	680 ohm res.	3	R40, R48, R54
30662	1K Ohm res.	4	R33, R38, R47, R53
30663	1.2k ohm res.	1	R55
30668	3.3K OHM	2	R59-R60
30686	100K OHM RES.	2	R29, R62
30758	5.6 ohm RM06J 0603	8	R5, R8, R17, R20, R23, R26, R34, R64
30765	910 ohm RM06J 0603	16	R4, R6-R7, R9, R16, R18-R19, R21-R22, R24-R25, R27, R39, R63, R65-R66
30775	62 ohm RM10J	6	R50-R52, R56-R58
30777	121 ohm RM10F 1%	1	R45
30785	562 ohm RM10F	1	R46
30787	1.1K ohm RM10J	2	R41, R49
30814	36 ohm ERJ-3GEYJ	1	R1
30818	150 ohm ERJ-3GEYJ	2	R2-R3
30839	1.5 ohm RM06J 0603	2	R11, R14
30847	3.6K ohm ERJ-3GEYJ	4	R10, R12-R13, R15
35350	16 Pin Headed	1	J1
48320	2441.8 MHz SAW Filter	2	FIL1-FIL2
48321	SAW Filter 1090 MHZ	2	FIL3-FIL4
48322	Filter LFCN-1000+	2	FIL5, FIL8
48323	Filter LFCN-2250	2	FIL6-FIL7

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
48324	Filter HFCN-2275+	1	FIL9
78314-E	1st Converter Bare PCB	1	

82014 Low Band Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21205	FB201209T-800Y-S	2	L66-L67
21213	0.18 uh	1	L49
21215	0.27 uh	2	L44, L46
21217	0.39 uh	1	L41
21218	0.47 uh	2	L39, L47
21220	0.68 uh	3	L34, L36, L42
21222	1.0 uh	2	L31, L50
21223	1.2 uh	2	L29, L37
21224	1.5 uh	2	L20, L45
21225	1.8 uh	2	L26, L48
21226	2.2 uh	1	L32
21227	2.7 uh	2	L40, L43
21228	3.3 uh	1	L27
21230	4.7 uh	2	L35, L38
21231	5.6 uh	2	L70-L71
21232	6.8 uh	1	L30
21233	8.2 uh	1	L33
21235	12 uh	1	L28
21246	100 uh	16	L1-L16
21386	56 nH Spring Ind. 7Ts	1	L61
21389	120 nH Spring Ind. 10Ts	1	L54
21390	0.68 uH 5%	3	L53, L55, L58
21391	0.39 uH 5%	1	L63
21392	0.18 uH 5%	1	L69
21393	169 nH Spring Ind. 12Ts	1	L51
21394	0.22 uH 5%	1	L52
21395	82 nH Spring Ind. 8T	1	L56
21396	380 nH Spring Ind. 17Ts	1	L59
21397	68 nH Spring Ind. 8Ts	1	L60
21398	39 nH Spring Ind. 6T	1	L64
21399	246 nH Spring Ind. 15T REF	1	L65
21400	100 nH 5%	3	L22, L24, L68
21401	1000 uH Spring Inductor	2	L17-L18
21678	82 nH Coilcraft	1	L25
21679	470 uH Coilcraft	3	L19, L72-L73
23450	1.0pf cap	1	C105
23456	3.3pf cap	1	C24
23462	10pf cap	2	C22, C85
23463	12pf cap	1	C23
23464	15pf cap	3	C64, C86, C98
23465	18pf cap	2	C79, C97
23466	22pf cap	6	C51, C54, C90, C106-C108
23467	27pf cap	4	C19, C75, C89, C99
23468	33pf cap	3	C43, C62, C87
23469	39pf cap	1	C83
23470	47pf cap	5	C21, C68, C72, C76, C81
23471	56pf cap	1	C65
23472	68pf cap	4	C44, C60, C80, C100

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
23473	82pf cap	1	C84
23474	100pf cap	6	C57, C69, C88, C94-C96
23475	120pf cap	1	C49
23476	150pf cap	6	C40, C42, C61, C73, C77, C82
23477	180pf cap	1	C66
23478	220pf cap	3	C53, C55, C70
23479	270pf cap	1	C74
23480	330pf cap	4	C36, C47, C58, C63
23482	470pf cap	2	C50, C67
23483	560pf cap	2	C39, C56
23484	680pf cap	1	C45
23485	820pf cap	2	C48, C59
23488	0.1uf cap	23	C1, C3, C5, C7, C9, C11, C13, C15, C17-C18, C25-C34, C91, C109, C117
23500	3300pf	2	C38, C113
23522	0.0018uf cap	2	C112, C114
23524	1.0uf cap tant 16V	15	C2, C4, C6, C8, C10, C12, C16, C101-C104, C110-C111, C115-C116
23525	10uf Tant	2	C92-C93
23641	1500 pF AVX	1	C41
23662	1200 pF cap	2	C37, C52
23663	2200 pF cap	2	C35, C46
25375	mmbt3904 trans.	1	Q1
25379	PZT2907AT1	1	Q2
25407	IC-A6810SLW	1	U1
25630	GALI-52+ ML AMPL	1	U2
25631	74LS14D	1	U4
28156	Diode, PIN SW COM	10	D1-D10
30650	100 ohm res	4	R23-R25, R27
30656	330 ohm res	3	R13-R15
30658	470 ohm res	1	R26
30660	680 ohm res	3	R16-R18
30662	1K Ohm res	2	R9, R12
30670	4.7K OHM RES	2	R10-R11
30771	39 ohm RM10J	2	R19-R20
35370	Conn. MMT-110-02-T-SH-A	1	U5
35371	TMP-S01X-B	2	J1-J2
78320-D	Low Band Bare PCB	1	
93813	Low Band Pre Shield	1	
93814	Low Band Pre Shield Top	1	

82015 Mid To High Band Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21374	100nH 5%	2	L2, L37
21375	1000 EXC-3BB102H	25	B1-B23, B25, B28
21402	5.0nH, air spring, API Delevan	1	L26
21403	6.8nH	4	L6, L8, L29-L30
21404	8.0nH, air spring, API Delevan	2	L22-L23
21405	8.0nH	2	L31-L32
21406	12.5nH, air spring, API Delevan	3	L17-L18, L24
21408	22nH, air spring, API Delevan	3	L7, L12, L14
21409	22nH	1	L19
21410	27nH	4	L27-L28, L35, L47
21411	28nH, air spring, API Delevan	1	L9
21413	47nH	1	L3
21414	56nH	1	L25
21415	68nH	2	L10, L20
21416	82nH	1	L21
21417	120nH	2	L13, L16
21418	Inductor, Air Core	2	L4-L5
21419	220nH 5%	4	L11, L34, L36, L38
21420	0.47 uh	2	L1, L33
21421	33nH	1	L15
23450	1.0pf cap	1	C17
23457	3.9pf cap	2	C16, C51
23462	10pf cap	1	C12
23464	15pf cap	4	C19, C36, C39, C60
23466	22pf cap	1	C52
23467	27pf cap	1	C15
23468	33pf cap	1	C70
23470	47pf cap	2	C59, C61
23474	100pf cap	10	C43, C159, C161-C165, C167, C170-C171
23486	1000pf cap	3	C6, C127, C151
23487	0.01uf cap	4	C4, C126, C144, C154
23488	0.1uf cap	7	C8, C33-C34, C173-C176
23593	1.6pf cap dielectric	1	C40
23594	1.8pf cap dielectric	2	C120, C124
23595	2.0pf cap dielectric	5	C48-C49, C117-C119
23597	2.4pf cap dielectric	1	C45
23598	2.7pF ATC100A2R7BW	4	C78, C121-C123
23599	4.7pf cap dielectric	1	C38
23601	6.8pf cap dielectric	2	C46, C67
23604	15pF ATC100A150JW	1	C65
23636	47pf AVX	3	C54, C140-C141
23637	1000pf 10% 50V X7R	16	C1-C2, C5, C13-C14, C22, C24-C26, C47, C55-C56, C62-C64, C68
23661	10uf tant 35V TAJ	2	C156-C157
23664	0.1uf AVX	5	C7, C20-C21, C30, C58
23668	4.3pf cap dielectric	3	C42, C50, C66
23669	8.2pf cap dielectric	2	C18, C23

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
23670	100pf AVX	20	C27-C29, C31-C32, C57, C69, C115-C116, C129-C134, C136, C138-C139, C145, C152
23671	22uF cap tant 10V	6	C3, C125, C143, C155, C158, C160
23672	9.1pf cap dielectric	1	C44
23673	3.3pf cap dielectric	3	C9, C37, C72
23674	18pf cap dielectric	1	C35
23675	5.6pf cap dielectric	1	C41
25375	mmbt3904 trans.	3	Q1, Q4, Q6
25379	PZT2907AT1	3	Q2-Q3, Q5
25496	MC78L05ACD 5V VOLTAGE REG	1	U12
25589	LM1117-ADJ-Regulator	1	U11
25606	ML AMPL Gali-49+	2	U2, U10
25611	HMC253QS24E	2	U4-U5
25633	74HCT14M	5	IC1-IC4, IC7
25634	74HC595D	1	IC5
25635	74ALS08D	1	IC8
25636	HMC284MS8G	4	U1, U6-U8
25637	HMC241QS16	1	U3
25638	GALI-6	1	U9
28191	surge protector	1	SV2
30635	5.6 ohm RM10J	4	R8, R16, R29, R60
30648	68 OHM	4	R25-R27, R43
30650	100 ohm res	9	R2-R4, R13-R15, R67-R68, R70
30660	680 ohm res.	3	R5, R28, R56
30662	1K Ohm res.	10	R6, R9, R23-R24, R30-R31, R59, R61-R62, R64
30663	1.2k ohm res.	1	R1
30668	3.3K OHM	3	R7, R32, R63
30759	12 ohm RM06J 0603	2	R45, R51
30764	430 ohm RM06F 0603	4	R41, R44, R47, R50
30774	56 ohm RM10J	3	R53-R55
30820	zero ohm RM06J 0603	1	R21
30839	1.5 ohm RM06J 0603	1	R34
30840	62 ohm ERJ-3GEYJ	2	R11-R12
30841	121 ohm 1% ERJ-GENF	1	R65
30843	240 ohm ERJ-3GEYJ	1	R10
30844	562 ohm 1% GENF	1	R66
30847	3.6K ohm ERJ-3GEYJ	2	R36-R37
30848	100k ohm ERJ-3GEYJ	1	R22
30851	30.1 ohm RM06F 0603	1	R39
30852	178 ohm RM06F 0603	2	R35, R38
35350	16 Pin Header	1	J4
35371	TMP-S01X-B	1	J3
35372	10 pin socket	1	J5
48323	Filter LFCN-2250	1	FIL1
48330	Filter HFCN-2100+	1	FIL2
48331	Filter LFCN-3000+	1	FIL3
48332	Filter LFCN-1575+	1	FIL4
48333	Filter HFCN-1600+	2	FIL5, FIL7

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
78321-F	Mid To High Band Bare PCB	1	
86122-10	Cable	1	
86122-12	Cable	1	
93811	Mid To High Band Shield	1	
93812	Mid To High Band Shield	1	
93876	Mid To High Band Bottom Shield	1	

82036 Model Rx400 Logic S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
35242	DB9 Connector	1	P1
81996	Logic PCB S/A	1	

81996 Logic Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21153	Trifilar Balun	1	T1
21185	CT-600CT Transformer	2	T2-T3
23293	.0047uF 50v	3	C158, C165, C171
23309	100uF 25v	2	C204, C220
23328	.1uF FILM	4	C146-C147, C151-C152
23462	10pf cap	4	C153-C156
23466	22pf cap	3	C70, C177, C181
23467	27pf cap	1	C244
23469	39pf cap	1	C184
23470	47pf cap	4	C159, C164, C172, C243
23482	470pf cap	9	C148-C149, C157, C162-C163, C168-C169, C173, C198
23485	820pf cap	3	C161, C167, C176
23487	0.01uf cap	1	C270
23488	0.1uf cap	164	C1, C3, C5-C13, C15-C50, C54-C55, C57-C58, C61-C62, C64, C66-C67, C71, C73-C76, C79-C89, C122-C135, C138, C141, C144-C145, C160, C166, C170, C174-C175, C178, C182-C183, C185-C194, C202, C205-C209, C219, C221, C224, C226-C228, C230-C237, C239-C241, C245-C246, C249-C269, C280-C281, C297-C299, C302-C306
23524	1.0uf cap tant 16V	4	C150, C195, C200, C223
23557	4.7uf Tant	2	C77-C78
23575	22uf tant 16V	2	C196, C284
23576	10uf tant 35V	3	C197, C199, C201
23581	33 uF TDKID336DT	6	C136-C137, C139-C140, C142-C143
25375	mmbt3904 trans.	1	Q6
25406	TLO82CD	10	U30-U32, U34-U35, U38-U41, U52
25415	MAX 242CWN	1	U55
25420	MC74HC4053ADW	3	U36-U37, U42
25452	IC TI TL16C550CFN	1	U7
25470	LT1529 3.3V REGULATOR	1	U47
25531	XC9572XL	1	U27
25541	AD780S	1	U51
25542	AD5545	1	U33
25543	AD6620AS	1	U16
25544	AD9244	1	U17
25545	ADM706	1	U2
25547	ADR431	1	U43
25548	ADS8341	1	U13
25552	DAC8532	1	U12
25556	LAN91C111	1	U6
25560	SN74LVC573	1	U50
25565	LM2940T-9.0	1	U44
25566	SE555D	1	U48
25587	MC14094BDT	2	U53-U54
25589	LM1117-ADJ-Regulator	1	U57
25598	25LC640	1	U49

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
25618	MC74VHC1G125	6	U59-U60, U70-U73
25645	ADSP21364	1	U1
25646	AT25FS010	2	U14-U15
28174	Diode BAS32L	2	D3-D4
30134	470 ohm 1/4w	3	R80, R82-R83
30629	0 ohm jumper	21	CFG 12, CFG 34, CFG 78, JMP_1-JMP_10, JMP_12-JMP_13, R8, R210, R212, R212_2, R213, (either R224 or R226, but not both)
30638	10 ohm	1	R6
30644	33 ohm	2	R17-R18
30646	47 OHM	20	R79, R81, R84, R87, R90, R97, R103-R104, R108, R112, R116, R118, R122, R126-R131, R133
30648	68 OHM	1	R14
30650	100 ohm res	5	R184-R187, R217
30652	150 ohm res.	6	R64-R65, R68-R69, R149-R150
30653	180 ohm res.	3	R132, R215-R216
30654	220 ohm res.	1	R173
30662	1K Ohm res.	3	R139, R195, R214
30664	1.5k res.	1	R167
30666	2.2K OHM RES.	8	R100, R107, R113, R119, R123-R125, R134
30668	3.3K OHM	2	R66, R70
30670	4.7K OHM RES.	6	R1, R91-R94, R135
30671	5.6k ohm res.	1	R188
30674	10k res.	56	R2-R5, R7, R11, R13, R16, R23-R24, R74-R77, R88-R89, R95-R96, R101-R102, R109-R111, R117, R140-R143, R147-R148, R153-R165, R169-R171, R174-R175, R209, R218-R223, R225
30678	22K OHM RES.	2	R67, R71
30680	33k ohm res.	4	R98, R105, R115, R121
30685	82k ohm res.	4	R99, R106, R114, R120
30686	100K OHM RES.	5	R72-R73, R78, R85-R86
30698	1.0M OHM	1	R168
30743	51.1 ohm 1%	8	R176-R183
30850	11k ohm 1%	1	R15
32107	8 Pos Dip Switch	1	SW1
32148	4 Pos Dip Switch	1	SW2
35067	4 Pin Mass Term Conn	3	J22, J24, J26
35069	6 Pin Mass Term Conn	2	J12, J20
35071	8 Pin Mass Term Conn	4	J8, J13, J21, J27
35102	4 Pin Mass Term Conn	2	J23 (8 pos; therefore, use 2)
35225	TMP	4	J18, J32-J34
35270	40 Pin Post Header	1.4	JP1-JP2, J9, J28
35350	16 Pin Header	7	J1-J7
35351	RJ45ML	1	J16
35352	15 Pin DB Conn	1	P2
35380	2 Pin Header	1	J31
38102	Heat Sink	1	
38229	HC-49/U Insulator	1	
48305	1.8432MHz Crystal	1	Y1

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
51002	#4 Int Tooth Lock Washer	1	
54021	4-40 Nut	1	
59073	Swage Standoff 5/8-4-40	3	
59114	Swage Standoff .5 Long	4	
60003	4-40 Screw	1	
78306-G	DSP Bare PCB	1	

82031 Divider Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
23486	1000pf cap	4	C119, C308, C315, C318
23487	0.01uf cap	2	C320-C321
23488	0.1uf cap	10	C111, C113-C115, C118, C222, C225, C313-C314, C317
23575	22uf tant 16V	3	C311-C312, C316
25553	HMC426MS8	1	U25
25554	HMC432	1	U22
25559	SN74ALVC04	3	U3, U62-U63
30632	2.2 ohm	3	R224-R225, R227
30636	6.8 ohm	1	R226
30642	22 ohm	1	R228
30646	47 OHM	6	R145, R217-R218, R221-R222, R229
30658	470 ohm res.	1	R146
30694	470k ohm res.	3	R59, R144, R223
35371	TMP-S01X-B	5	J25, J29-J32
35375	2 Pos Header Socket	1	J33
78344-B	Divider Bare PCB	1	
93864	Shield Fence	1	
93865	Shield Cover	1	

82029 Reference Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21234	10 uh	1	L1
21319	82 nH Midi Spring inductor	2	L2-L3
23263	.47uF 50v	1	C295
23462	10pf cap	1	C98
23468	33pf cap	2	C105, C107
23472	68pf cap	1	C106
23486	1000pf cap	3	C99-C101
23487	0.01uf cap	10	C90-C94, C96, C102, C108, C121, C296
23488	0.1uf cap	15	C14, C95, C97, C104, C112, C116-C117, C120, C248, C285, C291-C292, C298, C300, C302
23525	10uf Tant	3	C297, C299, C301
23575	22uf tant 16V	6	C286-C287, C289-C290, C293-C294
23621	.047 uf ECH 50V	1	C303
23623	.22 uf ECH 2416	2	C288, C304
25375	mmbt3904 trans.	3	Q3-Q4, Q12
25376	mmbt3906 trans.	2	Q5, Q11
25405	MC145170D2	1	U20
25436	MMBTA14LT1 NPN	4	Q7-Q10
25496	MC78L05ACD 5V VOLTAGE REG	3	U56-U58
25551	BFS17A	2	Q1-Q2
25555	HMC435 Switch	1	U19
25557	LMV321M7CT-ND	1	U18
25559	SN74ALVC04	1	U21
25591	LM1117DTX-3.3-ND	1	U59
28124	MMSD914T1	2	D1-D2
28189	2.4V Zener MMSZ5221BT1G	1	D5
30629	0 ohm jumper	1	R49
30632	2.2 ohm	1	R204
30638	10 ohm	1	R35
30646	47 OHM	5	R30, R46-R48, R56
30650	100 ohm res	4	R29, R43, R55, R57
30656	330 ohm res.	1	R44
30658	470 ohm res.	1	R219
30660	680 ohm res.	4	R27-R28, R33, R41
30662	1K Ohm res.	5	R31, R40, R172, R217-R218
30670	4.7K OHM RES.	1	R42
30671	5.6k ohm res.	1	R198
30674	10k res.	9	R39, R45, R60-R61, R63, R205-R208
30678	22K OHM RES.	2	R36, R197
30680	33k ohm res.	1	R62
30686	100K OHM RES.	2	R32, R37
30698	1.0M OHM	1	R38
30700	2.2M Ohm	1	R34
30790	10k ohm 1%	4	R200-R203
30794	56.2k ohm 1%	1	R196
30795	61.9k ohm 1%	1	R199
30822	Trimmer Pot 1k	1	R193

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
30855	4.7M ohm RM10J	1	R220
35277	8 Pos Header Socket	1	J22
35371	TMP-S01X-B	3	J19, J20-J21
48256	10MHz VCTCXO	1	U26
48297	100MHZ Oscillator	1	U24
78342-B	Reference Bare PCB	1	
93848	100MHz Shield	1	
93849	100MHz Shield Top Cover	1	

82028 Front Panel Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
28192	LED WP934SA/GYID	1	D1-D3
30849	Dual Pot RV122-20-15F	1	R1
35067	4 Pin Mass Term	3	J2, J5-J6
35071	8 Pin Mass Term	1	J1
35252	Mini Jack	1	J3
35309	PC Mount Phono Jack	1	J4
78341-C	Front Panel Bare PCB	1	

82032 Power Supply Filter Board S/A

P/N	DESCRIPTION	QTY	REFERENCE DESIGNATOR
21179	Wide Band Choke	8	L1-L8
23228	470uF 16V Cap	2	C2, C7
23260	0.01uF Cap	8	C1, C4-C5, C8-C12
23567	470uF 6.3V Cap	2	C3, C6
78345-A	Power Sup Filt Bare PCB	1	
86122-18	Cable	1	
86122-19	Cable	1	
86122-20	Cable	1	
86122-21	Cable	1	