

AFC UNIT

Part	Used	PartType	Designators
1	1	15pF (Cer)	C1
2	1	100pF(Cer UJ)	C5
3	1	150pF(Cer)	C15
4	1	270pF(Cer UJ)	C4
5	1	330pF(Cer UJ)	C2
6	2	1nF (Cer)	C11 C13
7	2	10nF (Cer)	C6 C12
8	3	0.1uF (Cer)	C3 C9 C14
9	1	2.2uF/16V (Tan)	C8
10	1	4.7uF/6.3V(Tan)	C7
11	1	10uF/6.3V (Os)	C10
12	2	100	R11 R12
13	1	470	R6
14	3	4.7K	R7 R14 R15
15	2	6.8K	R3 R4
16	2	10K	R2 R13
17	1	39K	R9
18	1	47K	R5
19	1	56K	R8
20	1	100K	R10
21	2	KE-04980	T1 T2
22	1	2SK160	Q1
23	1	TC4W53F	IC1
24	1	MC3372M	IC2
25	1	uPC358G	IC3
		or TA75358F	
		or NJM2904M	
26	1	PI28A10M	J1

ACC1 UNIT

Part	Used	PartType	Designators
1	1	TCS7932-18-201	J1

CPU UNIT

Part	Used	PartType	Designators
1	1	10pF(Cer)	C65
2	1	20pF(Cer)	C23
3	1	20pF(CV05D2001)	TC1
4	2	33pF(Cer)	C22 C24
5	34	101 (Cer)	C6 C7 C15 C16 C17 C18 C19 C20 C21 C26 C27 C28 C29 C33 C34 C35 C36 C37 C38 C40 C41 C42 C43 C44 C45 C46 C47 C48 C49 C53 C54 C64 C77 C80
6	24	102 (Cer)	C1 C2 C3 C4 C5 C8 C9 C10 C11 C12 C13 C14 C30 C31 C32 C39 C50 C51 C52 C58 C63 C67 C70 C78
7	6	0.1uF(Cer)	C59 C60 C61 C62 C69 C71
8	4	100uF/10V (Ele)	C73 C74 C75 C79
9	1	470uF/6.3V(Ele)	C72
10	1	10	R20
11	1	1K	R10
12	4	33K	R70 R71 R72 R73
13	19	100K	R4 R9 R13 R14 R15 R16 R17 R18 R19 R56 R57 R59 R60 R61 R62 R63 R64 R65 R69
14	8	220K	R1 R2 R3 R5 R6 R7 R8 R12
15	1	560K	R58
16	55	BLM21A121	L5 L6 L7 L8 L9 L10 L11 L12 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40 L41 L42 L43 L47 L48 L49 L50 L51 L52 L53 L54 L55 L56 L57 L58 L59 L60 L61 L62 L63
17	3	HN2D01F	D1 D2 D5
18	2	RB500V-40	D3 D4
19	1	DTC323TK	Q1
20	1	S-8052HNM	IC1
21	1	TC4W66F	IC2
22	1	uPD74HC373GS or TC74HC373AF	IC5
23	1	uPD78P064GF	IC3
24	1	uPD16430AGF	IC4
25	1	32.768Kz	X1
26	1	4.9152MHz	X2
27	1	D2213	BL1
28	1	DLC-3069PYNGF	LCD1
29	25	SKHHBV	S2 S3 S4 S5 S6 S7 S8 S9 S10 S11 S12 S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26
30	1	SKHHBY	S1
31	1	SKHLAC	S27
32	1	PI28A02M	J8
33	1	PI28A05M	J3
34	1	PI28A06M	J2
35	1	PI28A09M	J5
36	1	PI28A10M	J6
37	1	PI28A11M	J4
38	1	PI28A13M	J1
39	1	PI28G15M	J7
40	1	Wire-No.31	JP1
41	1	Wire-No.32	JP2
42	1	Wire-No.33	JP3

POWER UNIT

Part	Used	PartType	Designators
1	8	0.1uF(Cer)	C1 C3 C13 C14 C16 C17 C21 C22
2	2	10uF/16V (Ele)	C2 C15
3	3	100uF/10V (Ele)	C5 C9 C10
4	2	100uF/16V (Ele)	C11 C12
5	2	100uF/10V (Os)	C7 C20
6	1	150uF/16V (Os)	C4
7	2	220uF/35V (Ele)	C18 C19
8	2	2200uF/16V(Ele)	C6 C8
9	1	3.3	R9
10	1	2.2K	R6
11	2	4.7K	R7 R8
12	1	10K	R4
13	1	22K	R1
14	1	33K	R5
15	2	47K	R2 R3
16	3	220uH(Rad)	L1 L2 L3
17	1	220uH	L4
18	2	1S2837	D1 D3
19	1	3GWJ42	D2
20	1	2SB624	Q3
21	1	2SJ330	Q1
22	2	DTA123YK	Q4 Q5
23	1	DTC124EK	Q2
24	1	S-80840ANUP	IC1
25	2	S-81252SGUP	IC4 IC5
26	1	TA79L05F	IC6
27	1	KPL108	IC2
28	1	KPL130	IC3
29	1	FUSE2A	FH1
30	1	PI22A02M	J4
31	1	PI22A05M	J2
32	1	PI22A06M	J1
33	1	PI22A07M	J3
34	1	PI22A08M	J7
35	1	PI22A09M	J5
36	1	PI28A09M	J6
37	1	Wire-No.35	JP1
38	1	Wire-No.34	JP2

AUDIO UNIT

Part	Used	PartType	Designators
1	2	36pF (Cer)	C8 C9
2	1	100pF(Cer)	C50
3	3	330pF(Cer)	C12 C21 C49
4	1	1.8nF (Cer)	C45
5	1	5.6nF (Cer)	C39
6	19	10nF (Cer)	C3 C4 C5 C6 C7 C14 C15 C17 C18 C19 C23 C24 C25 C46 C51 C52 C59 C60 C63
7	1	22nF (Cer)	C40
8	12	0.1uF(Cer)	C1 C2 C10 C11 C13 C20 C22 C26 C42 C47 C57 C58
9	3	1uF/16V (Tan)	C31 C61 C62
10	6	2.2uF/6.3V (Tan)	C29 C30 C32 C41 C43 C44
11	2	4.7uF/6.3V (Tan)	C27 C48
12	1	10uF/6.3V (Tan)	C28
13	4	10uF/16V (Ele)	C36 C53 C54 C56
14	3	100uF/16V (Ele)	C34 C35 C55
15	2	470uF/16V (Ele)	C37 C38
16	2	470	R13 R46
17	7	1K	R1 R7 R9 R18 R19 R40 R43
18	1	1.5K	R31
19	1	2.2K	R48
20	1	5.6K	R47
21	4	10K	R5 R12 R16 R29
22	5	22K	R4 R15 R32 R33 R34
23	1	33K	R44
24	7	47K	R6 R23 R24 R25 R26 R27 R28
25	6	100K	R2 R17 R22 R35 R41 R45
26	2	220K	R30 R36
27	1	330K	R20
28	2	470K	R10 R11
29	1	560K	R21
30	1	1S2837	D1
31	1	ND411G-1	D2
32	2	RB500V-40	D3 D4
33	1	2SK160	Q2
34	2	2SK680	Q1 Q7
35	1	FMC5	Q5
36	1	TC4S81F	IC13
37	1	TC4SU69F	IC6
38	2	TC4W53F	IC1 IC3
39	1	uPC358G	IC9
		or TA75358F	
		or NJM2904M	
40	2	uPC4570G	IC5 IC10
		or NJM2043M	
41	1	LA4425A	IC4
42	1	LC73881M	IC12
43	1	AQV212A	IC8
44	1	BA1604F	IC11
45	1	BH3532FS	IC2
46	1	CSA4.19MG	CX1
		or CSALA4M19G55-B0	
47	1	PI22A02M	J3
48	1	PI22A03M	J2
49	1	PI22A04M	J1
50	1	PI22A05M	J5
51	1	PI28A03M	J6
52	1	PI28A07M	J7
53	1	PI28A08M	J8

54	1	PI28A13M	J4
55	1	Wire-No.64	JP1
56	1	Wire-No.38	JP2

VR UNIT

Part	Used	PartType	Designators
1	1	10KC(RK0971110-10KC)	VR2
2	1	50KA(RK0971110-50KA)	VR1
3	1	PI28B06M	J1

CPUSUB UNIT

Part	Used	PartType	Designators
1	5	0.1uF (Cer)	C2 C4 C5 C6 C7
2	1	100uF/10V(Ele)	C1
3	1	0.47F/5.5V(Ele)	C3
4	1	10	R1
5	2	10K	R4 R5
6	2	100K	R2 R3
7	1	HN58C1001FP-15	IC3
8	1	TC4SU69F	IC4
9	2	uPD74HC373GS or TC74HC373AF	IC1 IC2
10	1	PI28A15M	J1

CTCSS UNIT(NIS-158)

Part	Used	PartType	Designators
1	2	18pF (Cer)	C7 C8
2	1	82pF (Cer)	C3
3	1	100pF(Cer)	C10
4	1	1nF (Cer)]	C2
5	3	0.1uF (Cer)	C1 C4 C6
6	2	1uF/16v (Tan)	C11 C12
7	1	4.7uF/6.3V(Tan)	C9
8	1	10uF/16V (Ele)	C5
9	1	5.6K	R13
10	1	10K	R8
11	1	15K	R10
12	1	47K	R7
13	1	68K	R5
14	3	100K	R1 R2 R3
15	1	120K	R4
16	2	270K	R6 R14
17	1	330K	R11
18	1	1M	R12
19	1	HN2D01F	D1
20	1	AK2341	IC1
21	1	3.6864MHz	X1
22	1	9205B-1-12002-TA	P1

IF UNIT	Part	Used	PartType	Designators
	1	1	1pF (Cer)	C39
	2	1	2pF (Cer)	C221
	3	1	3pF (Cer)	C38
	4	2	4pF (Cer)	C177 C178
	5	4	5pF (Cer)	C34 C167 C168 C220
	6	2	8pF (Cer)	C32 C215
	7	7	10pF (Cer)	C18 C27 C29 C61 C66 C196 C218
	8	4	12pF (Cer)	C37 C175 C176 C214
	9	4	15pF (Cer)	C42 C44 C96 C217
	10	2	18pF (Cer)	C23 C33
	11	1	22pF (Cer)	C113
	12	1	25pF (TZBX4Z250BB110) TC1	
	13	6	33pF (Cer)	C144 C145 C148 C149 C152 C153
	14	4	39pF (Cer)	C28 C59 C81 C216
	15	6	47pF (Cer)	C17 C64 C69 C80 C120 C201
	16	2	56pF (Cer)	C172 C173
	17	3	100pF(Cer)	C47 C50 C87
	18	1	220pF(Cer)	C121
	19	1	270pF(Cer)	C90
	20	3	330pF(Cer)	C101 C106 C111
	21	13	1nF (Cer)	C25 C53 C71 C79 C100 C103 C108 C115 C123 C124 C164 C165 C166
	22	1	1.2nF(Cer)	C197
	23	1	2.2nF(Cer)	C198
	24	1	3.3nF(Cer)	C199
	25	68	10nF (Cer)	C1 C2 C3 C4 C5 C6 C12 C13 C14 C16 C19 C20 C22 C24 C26 C30 C31 C35 C36 C40 C41 C45 C46 C48 C49 C51 C52 C55 C56 C57 C60 C63 C65 C68 C70 C72 C73 C74 C122 C135 C136 C137 C138 C139 C171 C179 C180 C181 C182 C183 C184 C187 C188 C189 C190 C191 C192 C193 C202 C203 C204 C205 C206 C207 C208 C209 C210 C211
	26	1	33nF (Cer)	C200
	27	49	0.1uF (Cer)	C15 C21 C54 C62 C67 C75 C77 C84 C85 C86 C88 C89 C91 C92 C93 C94 C95 C97 C98 C99 C102 C104 C105 C107 C109 C110 C112 C118 C119 C140 C141 C142 C143 C146 C147 C150 C151 C154 C155 C156 C157 C158 C159 C160 C161 C162 C163 C170 C219
	28	1	0.22uF(Cer)	C78
	29	2	0.22uF/35V(Tan)	C76 C132
	30	5	1uF (Cer)	C114 C116 C117 C125 C126
	31	3	1uF/16V (Tan)	C114 C116 C117 C125 C126 C127 C130 C133
	32	1	2.2uF/50V (Ele)	C131
	33	6	10uF/16V (Ele)	C128 C129 C134 C194 C195 C213
	34	1	100uF/16V(Ele)	C11
	35	4	220uF/10V(Ele)	C8 C9 C10 C83
	36	1	470uF/16V(Ele)	C7
	37	5	0	R62 R198 R203 R248 R279
	38	2	47	R12 R18
	39	18	100	R17 R23 R29 R35 R41 R47 R53 R68 R74 R94 R161 R176 R181 R186 R191 R196 R201 R206
	40	1	150(Axi)	R281
	41	25	220	R6 R10 R20 R26 R32 R38 R44 R50 R58

			R66 R88 R115 R117 R122 R124 R129 R131 R139 R174 R179 R184 R189 R194 R199 R204
42	5	330	R21 R45 R51 R72 R193
43	2	470	R4 R5
44	3	560	R16 R43 R49
45	2	680	R101 R136
46	6	820	R27 R33 R46 R173 R262 R263
47	19	1K	R22 R59 R73 R75 R76 R77 R100 R106 R108 R132 R133 R141 R142 R144 R145 R151 R152 R183 R188
48	1	1K (Axi)	R276
49	2	1.2K	R102 R105
50	1	1.2K(Axi)	R274
51	5	1.5K	R28 R40 R52 R178 R205
52	1	1.5K(Axi)	R280
53	1	1.8K	R200
54	13	2.2K	R11 R42 R48 R61 R89 R116 R123 R130 R137 R187 R202 R271 R273
55	1	2.7K	R107
56	8	3.3K	R36 R67 R118 R125 R185 R192 R197 R272
57	1	3.9K	R195
58	15	4.7K	R24 R30 R34 R54 R87 R95 R164 R172 R177 R180 R182 R190 R207 R236 R252
59	1	4.7K(Axi)	R171
60	2	6.8K	R216 R217
61	4	8.2K	R147 R153 R175 R240
62	27	10K	R2 R9 R15 R57 R65 R71 R90 R92 R98 R114 R121 R128 R134 R140 R143 R166 R168 R227 R228 R232 R237 R238 R239 R251 R270 R277 R278
63	1	10K (Axi)	R275
64	6	10K(RH0421C14J10K)	VR1 VR2 VR3 VR4 VR6 VR7
65	1	10K(RVG4M08-103VM)	VR8
66	3	12K	R55 R150 R218
67	3	15K	R103 R155 R234
68	4	18K	R91 R170 R249 R269
69	2	20K	R1 R235
70	5	22K	R97 R148 R219 R253 R254
71	3	27K	R13 R126 R247
72	7	33K	R7 R63 R112 R119 R220 R242 R256
73	5	39K	R3 R69 R157 R221 R22
74	2	43K	R158 R241
75	2	47K	R149 R159
76	1	47K(RH0421CS4J47K)	VR5
77	1	56K	R96
78	3	68K	R154 R156 R250
79	1	82K	R93
80	29	100K	R8 R14 R56 R64 R70 R85 R109 R110 R111 R113 R120 R127 R138 R146 R162 R163 R165 R167 R229 R230 R231 R233 R243 R244 R245 R246 R255 R257 R268
81	23	220K	R78 R79 R80 R81 R82 R83 R84 R99 R104 R135 R160 R169 R208 R209 R210 R211 R212 R213 R214 R215 R223 R225 R226
82	2	560K	R86 R224
83	1	RKC8L103	NR1
84	4	10uH	L1 L2 L3 L4
85	5	1S2837	D16 D18 D19 D20 D40
86	1	1SS268	D21
87	6	1SV196	D3 D4 D7 D8 D9 D12
88	2	HN2D01F	D17 D22
89	1	RB500V-40	D41

90	23	RN731V	D1 D2 D5 D6 D10 D11 D13 D14 D15 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D38 D39
91	2	ND411G-1	D24 D25
92	1	ND487C1T	D23
93	1	2SC1009A	Q29
94	3	2SC1623	Q28 Q31 Q32
95	1	2SC2787	Q40
96	1	2SK520	Q3
97	8	3SK131	Q4 Q5 Q6 Q7 Q8 Q25 Q26 Q27
98	20	DTC124EK	Q1 Q2 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q20 Q21 Q22 Q30 Q33 Q34 Q35 Q36 Q37 Q38 Q39
99	1	F2	PI28A10F
100	6	FMC5	Q16 Q17 Q18 Q19 Q23 Q24
101	4	TC4W53F	IC19 IC21 IC24 IC28
102	2	TC7S66F	IC11 IC18
103	5	uPC358G or TA75358F or NJM2904M	IC6 IC10 IC20 IC22 IC23
104	3	uPC4570G or NJM2043M	IC14 IC15 IC29
105	1	uPD74HC238G or TC74HC238AF	IC9
106	1	uPD74HC4051G or TC74HC4051AF	IC13
107	3	uPD74HC4052G or TC74HC4052AF	IC25 IC26 IC30
108	3	uPD74HC4066G or TC74HC4066AF	IC12 IC16 IC17
109	5	uPD4094BG or TC4094BF or BU4094BCF or TC74HC4094AF	IC1 IC2 IC3 IC4 IC5
110	1	uPD4528BG or BU4528BF	IC7
111	1	MC3372M	IC8
112	1	NIS-157	IC27
113	1	NIS-158	IC31
114	1	10.245MHz	X1
115	2	10M03B	XF1 XF2
116	2	10M06B	XF3 XF4
117	2	10M15B	XF5 XF6
118	2	10M30B	XF7 XF8
119	1	SFE10.7MHYK-A or SFELA10M7KKH0-B0	CF5
120	1	SFE10.7MS2A10K-A or SFELA10M7GKA0-B0	CF6
121	1	526-8693-010	MF1(OP)
122	1	526-8694-010	MF2(OP)
123	1	526-8695-010	MF3(OP)
124	1	CDB455C16 or CDBLA455KCAY16-B0	CD1
125	1	CFJ455K5	CF1
126	1	CFWS455G or CFWLA455KGFA-B0	CF3
127	1	CFWS455E or CFWLA455KEFA-B0	CF4
128	1	SFH455B	CF2
129	1	NIS-155	LCF1
130	1	NIS-156	LCF2
131	4	KE-04980	T9 T10 T11 T12
132	1	KE-07651	T1

133	4	KE-07791	T2 T6 T7 T8
134	3	KE-07792	T3 T4 T5
135	1	PI22A06M	J1
136	1	PI28A02M	J11
137	1	PI28A03M	J4
138	1	PI28A07M	J5
139	1	PI28A08M	J6
140	1	PI28A09M	J3
141	1	PI28A11M	J2
142	1	PI28A08F	F1
143	1	PI28A10F	F2
144	1	IMSA-9110B-07	J10
145	3	TMP-J01X-V6	J7 J8 J9
146	1	Wire-No.58	JA
147	1	Wire-No.59	JB
148	1	Wire-No.60	JC
149	1	Wire-No.61	JD
150	1	Wire-No.62	JE
151	1	Wire-No.47	JF
152	1	Wire-No.37	JG
153	1	Wire-No.36	JH
154	1	Wire-No.56	JI
155	1	Wire-No.57	JJ
156	5	2.2K(1608)	R282 R283 R284 R285 R286

NB UNIT

Part	Used	PartType	Designators
1	1	10pF (Cer)	C33
2	1	27pF (Cer)	C38
3	3	47pF (Cer)	C34 C35 C36
4	4	1nF (Cer)	C26 C27 C29 C31
5	10	10nF (Cer)	C2 C6 C7 C9 C12 C13 C14 C16 C18 C22
6	1	47nF (Cer)	C39
7	1	0.1uF(Cer)	C1
8	1	1uF/16V(Tan)	C32
9	2	100	R35 R36
10	2	220	R43 R44
11	1	330	R49
12	2	470	R38 R39
13	3	1K	R14 R18 R30
14	1	4.7K	R46
15	4	10K	R4 R5 R8 R9
16	1	15K	R34
17	2	22K	R32 R33
18	3	33K	R1 R2 R3
19	1	39K	R45
20	1	47K	R40
21	1	47K(RH0421CS4J47K)	VR1
22	2	100K	R47 R48
23	2	150K	R41 R42
24	1	ND411G-1	D1
25	4	2SC1009A	Q14 Q15 Q16 Q17
26	2	2SC1623	Q11 Q12
27	1	2SK520	Q18
28	1	3SK131	Q19
29	1	DTA124EK	Q1
30	1	DTC124TK	Q20
31	1	DTC144TK	Q13
32	1	uPD4528BG or BU4528BF	IC1
33	3	KE-07791	T1 T2 T5
34	1	PI28A08M	J1
35	1	Wire-No.2	JP1
36	1	Wire-No.1	JP2

PHONE UNIT

Part	Used	PartType	Designators
1	2	100	R1 R2
2	1	HLJ2305-01-3070	J1

PLL UNIT

Part	Used	PartType	Designators
1	2	0.5pF(Cer)	C173 C108
2	4	1.5pF(Cer)	C100 C109 C131 C132
3	7	1pF (Cer)	C92 C93 C94 C105 C110 C141 C150
4	5	2pF (Cer)	C103 C112 C117 C135
5	6	3pF (Cer)	C104 C133 C138 C140 C145 C172
6	9	4pF (Cer)	C75 C86 C113 C115 C120 C124 C139 C146 C148
7	5	5pF (Cer)	C72 C83 C107 C114 C137
8	5	6pF (Cer)	C121 C122 C123 C147
9	2	7pF (Cer)	C102 C136
10	3	8pF (Cer)	C74 C84 C85
11	1	9pF (Cer)	C73
12	3	10pF (Cer)	C71 C76 C134
13	3	20pF (Cer)	C99 C187 C193
14	2	47pF (Cer)	C234 C235
15	1	68pF (Cer)	C218
16	40	100pF(Cer)	C1 C2 C4 C5 C6 C7 C8 C11 C12 C14 C26 C45 C52 C53 C54 C64 C65 C79 C80 C91 C95 C96 C97 C98 C116 C118 C125 C128 C129 C130 C143 C144 C149 C151 C152 C155 C176 C180 C181 C209
17	1	150pF(Cer)	C200
18	1	270pF(Cer)	C201
19	31	330pF(Cer)	C13 C77 C78 C81 C101 C106 C119 C126 C127 C142 C153 C154 C156 C157 C158 C159 C160 C161 C162 C163 C164 C165 C166 C167 C168 C169 C170 C171 C238 C239 C240
20	3	470pF(Cer)	C207 C230 C231
21	6	1nF (Cer)	C44 C82 C206 C229 C236 C237
22	2	2.2nF (Cer)	C203 C204
23	1	3.3nF (Cer)	C205
24	29	10nF (Cer)	C10 C30 C35 C37 C40 C41 C42 C43 C56 C58 C61 C62 C63 C89 C90 C194 C195 C197 C198 C199 C208 C223 C224 C225 C226 C227 C228 C232 C233
25	18	0.1uF(Cer)	C9 C32 C34 C50 C60 C69 C88 C182 C183 C184 C185 C188 C189 C190 C191 C192 C196 C221
26	1	0.1uF/35V (Tan)	C215
27	6	1uF/16V (Tan)	C25 C46 C47 C48 C49 C179
28	4	2.2uF/6.3V (Tan)	C16 C17 C177 C213
29	8	2.2uF/16V (Tan)	C15 C18 C19 C22 C23 C24 C38 C211
30	3	2.2uF/35V (Tan)	C28 C29 C55
31	1	10uF/16V (Ele)	C210
32	1	100uF/6.3V(Ele)	C214
33	4	100uF/10V (Ele)	C21 C31 C33 C222
34	6	100uF/16V (Ele)	C20 C51 C59 C70 C87 C212
35	1	100uF/35V (Ele)	C27
36	2	220uF/10V (Ele)	C67 C68
37	1	220uF/16V (Ele)	C66
38	1	0	R111
39	6	3.3	R14 R16 R51 R52 R54 R55
40	4	10	R47 R62 R64 R82
41	5	22	R13 R50 R59 R60 R65
42	2	39	R118 R119
43	4	47	R49 R66 R72 R80
44	2	68	R53 R57
45	3	100	R58 R122 R139
46	1	150	R63

47	4	220	R1 R101 R105 R145
48	5	470	R15 R48 R56 R102 R117
49	1	560	R133
50	36	1K	R4 R5 R17 R18 R19 R20 R24 R25 R27 R28 R32 R34 R35 R36 R37 R38 R39 R40 R61 R67 R68 R69 R70 R71 R73 R74 R81 R83 R84 R85 R96 R97 R107 R126 R127 R130
51	6	2.2K	R2 R3 R6 R12 R98 R116
52	2	2.7K	R114 R115
53	2	3.3K	R108 R125
54	6	4.7K	R23 R26 R42 R44 R100 R146
55	1	5.6K	R112
56	20	10K	R7 R22 R29 R45 R93 R95 R103 R104 R106 R110 R135 R136 R137 R138 R140 R141 R142 R143 R144 R147
57	2	12K	R8 R10
58	1	18K	R113
59	1	22K	R123
60	2	33K	R21 R30
61	3	47K	R41 R43 R99
62	4	100K	R11 R31 R33 R148
63	8	220K	R46 R75 R76 R77 R78 R79 R128 R129
64	1	1M	R9
65	1	1d1t	L28
66	15	1d2t	L26 L27 L29 L30 L31 L32 L33 L35 L36 L44 L45 L47 L48 L49 L55
67	3	1d3t	L34 L38 L58
68	5	1.5d2t	L43 L46 L51 L52 L54
69	5	1.5d3t	L39 L40 L41 L42 L50
70	2	8.8nH	L20 L53
71	8	15nH	L9 L15 L16 L17 L18 L19 L25 L37
72	2	680nH	L67 L68
73	1	3.3uH	L69
74	2	5.6uH	L65 L66
75	2	10uH	L60 L61
76	3	100uH	L59 L63 L64
77	1	470uH	L62
78	16	BLM21A121	L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L12 L13 L14 L22 L23 L24
79	1	1S2837	D19
80	1	HVU300A	D23
81	7	1SV196	D1 D2 D3 D4 D20 D24 D25
82	1	RD5.6MB2	D9
83	3	RD8.2MB2	D5 D8 D22
84	9	RN731V	D10 D11 D12 D13 D14 D15 D16 D17 D18
85	3	HN2D01F	D6 D7 D21
86	2	2SA812	Q3 Q7
87	2	2SC1009A	Q36 Q39
88	18	2SC1623	Q1 Q2 Q4 Q5 Q6 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q22 Q34 Q35
89	1	2SC2759	Q44
90	1	2SC3356	Q38
91	8	DTC124EK	Q28 Q29 Q30 Q31 Q32 Q37 Q41 Q42
92	1	DTC323TK	Q43
93	11	FMC5	Q18 Q19 Q20 Q21 Q23 Q24 Q25 Q26 Q27 Q33 Q40
94	1	MB1501PF	IC1
95	2	MB1504PF	IC3 IC17
96	1	S-80840ANUP	IC16
97	1	TC4S81F	IC2
98	2	uPC1675G	IC7 IC10
99	1	uPC1676G	IC8
100	6	uPC2709T	IC6 IC9 IC11 IC12 IC13 IC14

101	1	uPD4017BG	IC18
		or TC4017BF	
102	2	uPD4094BG	IC4 IC5
		or TC4094BF	
		or BU4094BCF	
		or TC74HC4094AF	
103	1	NIS-501	DBM1
104	1	NIS-503	FDB1
105	1	NIS-504	VCO4
106	1	NIS-507	TCXO1
107	1	NIS-150	NCO1
108	1	CSA4.60MG040	CX1
		CSALA4M60G58-B0	
109	2	KE-07495	T1 T2
110	1	KE-07631	T3
111	1	PI22A07M	J6
112	1	PI28A08M	J7
113	1	PI28A09M	J5
114	1	PI28A10M	J8
115	1	PI28A09F	F1
116	1	MM3325-2505	J1
117	3	TMP-J01X-V6	J2 J3 J4
118	1	Wire-No.63	JP1
119	2	2.2K(1608)	R150 R151

POWERSUB UNIT

Part	Used	PartType	Designators
1	6	0.1uF(Cer)	C1 C2 C3 C4 C5 C6
2	1	uPC7805AHF	IC1
3	1	uPC78M06AHF	IC2
4	1	uPC2410AHF	IC3
5	1	PI22A06M	J1

REMOTE UNIT

Part	Used	PartType	Designators
1	5	100pF (Cer)	C2 C3 C4 C12 C13
2	1	10nF (Cer)	C11
3	1	0.1uF (Cer)	C1
4	5	2.2uF/16V(Tan)	C6 C7 C8 C9 C10
5	1	100uF/10V(Ele)	C5
6	1	100K	R1
7	1	220uH	L1
8	2	BLM21A121	L2 L3
9	1	MAX232CSE	IC1
10	1	TC4S81F	IC2
11	1	HSJ0847-01-010	J4
12	1	JPJ2545-01-510	J5
13	1	PI22B04M	J2
14	1	PI28B06M	J1
15	1	PI28B08M	J7
16	1	09KC0019	J3
17	1	TCS6180-01-1010	J6
18	1	Wire-No.40	JP1
19	1	Wire-No.104	JP2

FRONT-RF UNIT

Part	Used	PartType	Designators
1	1	0.5pF (Cer)	C411
2	3	1pF (Cer)	C82 C89 C413
3	1	2pF (Cer)	C121
4	1	3pF (Cer)	C410
5	2	4pF (Cer)	C52 C367
6	2	5pF (Cer)	C141 C142
7	2	6pF (Cer)	C85 C144
8	1	7pF (Cer)	C47
9	4	10pF (Cer)	C294 C295 C303 C369
10	1	20pF (CV05D2001)	TC1
11	1	22pF (Cer)	C114
12	3	33pF (Cer)	C102 C117 C135
13	1	39pF (Cer)	C205
14	1	43pF (Cer)	C97
15	1	47pF (Cer)	C134
16	14	100pF(Cer)	C45 C68 C70 C71 C74 C75 C79 C94 C137 C139 C261 C262 C263 C264
17	2	150pF(Cer)	C107 C191
18	1	270pF(Cer)	C368
19	39	330pF(Cer)	C46 C48 C49 C50 C51 C53 C54 C55 C56 C57 C58 C59 C62 C63 C65 C69 C72 C73 C78 C81 C83 C87 C90 C122 C131 C302 C309 C310 C372 C377 C384 C386 C388 C392 C393 C394 C395 C396 C397
20	1	470pF(Cer)	C186
21	13	1nF (Cer)	C64 C77 C84 C88 C95 C96 C100 C138 C140 C145 C290 C349 C373
22	2	4.7nF (Cer)	C234 C237
23	51	10nF (Cer)	C2 C5 C8 C20 C67 C104 C105 C108 C109 C111 C115 C118 C119 C128 C130 C132 C136 C146 C155 C156 C157 C158 C159 C160 C161 C163 C164 C166 C217 C219 C221 C223 C225 C227 C265 C267 C268 C269 C270 C277 C304 C362 C363 C364 C365 C376 C385 C389 C390 C398 C399
24	2	12nF (Cer)	C235 C236
25	22	0.1uF(Cer)	C143 C162 C165 C167 C168 C169 C170 C171 C172 C173 C174 C175 C176 C177 C178 C179 C180 C181 C182 C183 C184 C378
26	4	1uF (Cer)	C185 C188 C189 C192
27	41	2.2uF(Cer)	C187 C190 C202 C203 C204 C206 C207 C208 C209 C210 C211 C212 C213 C229 C230 C231 C232 C233 C238 C239 C240 C241 C242 C257 C258 C259 C260 C275 C276 C305 C306 C307 C308 C379 C380 C381 C382 C383 C391 C400 C401
28	1	100uF/16V (Ele)	C412
29	1	100uF/35V (Ele)	C272
30	2	220uF/6.3V(Ele)	C271 C274
31	1	220uF/16V (Ele)	C273
32	4	0	R296 R297 R351 R352
33	7	10	R55 R71 R136 R143 R231 R240 R358
34	1	15	R142
35	6	22	R135 R230 R313 R315 R354 R242
36	4	27	R309 R310 R340 R342
37	3	36	R308 R314 R341
38	5	47	R4 R5 R10 R11 R58
39	4	100	R68 R69 R74 R75

40	7	220	R155 R165 R176 R186 R196 R206 R259
41	1	330	R311
42	1	430	R238
43	6	470	R132 R224 R343 R344 R361 R362
44	2	560	R232 R233
45	3	680	R133 R140 R228
46	42	1K	R32 R40 R50 R51 R57 R60 R61 R70 R78 R79 R89 R96 R107 R108 R115 R120 R130 R137 R139 R144 R162 R174 R184 R194 R204 R213 R226 R234 R235 R243 R261 R304 R306 R307 R312 R316 R317 R339 R353 R355 R357 R363
47	1	1K(Axi)	R376
48	1	1.5K	R239
49	3	2.2K	R62 R77 R289
50	3	2.7K	R134 R141 R229
51	1	3.3K	R290
52	2	4.7K	R291 R292
53	1	8.2K	R288
54	25	10K	R54 R56 R208 R209 R211 R212 R278 R279 R280 R293 R295 R345 R346 R347 R348 R349 R350 R364 R365 R366 R367 R368 R369 R371 R373
55	1	10K(RH0421C14J10K)	VR3
56	1	15K	R294
57	4	22K	R181 R191 R201 R210
58	2	39K	R66 R72
59	8	47K	R48 R49 R95 R102 R119 R126 R159 R170
60	35	100K	R34 R37 R42 R47 R65 R67 R73 R76 R88 R90 R94 R98 R100 R109 R117 R122 R129 R167 R173 R178 R179 R180 R182 R183 R188 R189 R190 R192 R193 R198 R199 R200 R202 R203 R281
61	32	220K	R35 R36 R38 R39 R43 R44 R45 R46 R87 R91 R92 R93 R103 R104 R105 R106 R110 R111 R113 R114 R123 R124 R127 R128 R157 R158 R160 R161 R168 R169 R171 R172
62	37	470K	R33 R41 R59 R63 R81 R82 R86 R97 R101 R116 R118 R121 R131 R138 R145 R156 R164 R166 R175 R177 R185 R187 R195 R197 R205 R207 R214 R227 R236 R244 R245 R260 R262 R359 R370 R372 R374
63	1	RKC8L103	RN2
64	2	2d3t	L63 L150
65	1	2d4t	L65
66	3	2d5t	L29 L119 L120
67	2	2.5d2t	L23 L24
68	2	4d3t	L41 L42
69	2	4d5t	L45 L46
70	2	5d0.5t	L20 L21
71	1	10nH	L28
72	1	12nH	L165
73	1	15nH	L33
74	1	17nH	L35
75	2	23nH	L32 L34
76	1	47nH	L61
77	2	560nH	L64 L92
78	1	3.9uH	L82
79	3	10uH	L30 L31 L157
80	1	27uH	L98
81	1	33uH	L99
82	1	39uH	L100

83	1	220uH(Rad)	L111
84	17	330uH	L39 L44 L47 L48 L52 L53 L58 L62 L66 L71 L72 L89 L151 L152 L156 L163 L164
85	10	470uH	L73 L74 L75 L76 L77 L78 L79 L80 L81 L83
86	8	560uH	L88 L90 L93 L94 L95 L97 L101 L153
87	4	2.2mH	L91 L121 L122 L123
88	18	BLM21A121	L19 L22 L25 L26 L36 L37 L102 L103 L104 L105 L106 L108 L109 L110 L159 L161 L162 L154
89	10	1S2837	D1 D3 D5 D6 D49 D53 D238 D241 D242 D275
90	8	1SS244	D106 D118 D138 D152 D167 D182 D239 D263
91	20	1SS269	D46 D47 D74 D84 D102 D104 D117 D151 D166 D181 D200 D230 D231 D232 D240 D243 D246 D247 D259 D280
92	7	RN731V	D21 D30 D103 D233 D260 D277 D289
93	15	1SV196	D50 D51 D52 D54 D56 D65 D75 D85 D252 D261 D262 D266 D267 D276 D278
94	51	1SV102	D139 D140 D141 D142 D143 D144 D146 D147 D148 D149 D150 D153 D154 D155 D156 D157 D158 D159 D161 D162 D163 D164 D165 D168 D169 D170 D171 D172 D173 D174 D175 D176 D177 D178 D179 D180 D183 D184 D185 D186 D187 D188 D189 D191 D195 D197 D199 D256 D257 D258 D290
95	19	HVU202A	D31 D32 D33 D34 D42 D43 D45 D57 D58 D59 D60 D61 D62 D63 D64 D283 D284 D297 D298
96	14	1SV214	D22 D23 D24 D25 D26 D27 D28 D29 D35 D37 D41 D44 D286 D287
97	8	1SV229	D66 D67 D68 D69 D70 D71 D72 D73
98	59	HVU300A	D76 D77 D78 D79 D80 D81 D82 D83 D86 D88 D90 D92 D93 D95 D96 D97 D98 D99 D100 D101 D107 D108 D109 D110 D111 D112 D113 D114 D115 D116 D119 D120 D121 D122 D123 D124 D125 D126 D127 D128 D129 D130 D131 D132 D133 D134 D135 D136 D137 D264 D265 D281 D282 D291 D292 D293 D294 D295 D296
99	1	2SC3357	Q22
100	3	2SC4536	Q24 Q42 Q45
101	2	3SK232	Q13 Q14
102	1	FSX027WF	Q10
103	37	DTC124EK	Q5 Q6 Q7 Q8 Q11 Q12 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q23 Q25 Q27 Q28 Q29 Q30 Q31 Q32 Q33 Q34 Q35 Q36 Q37 Q38 Q41 Q43 Q44 Q46 Q47 Q48 Q50 Q51 Q52 Q53
104	31	FMC5	IC3 IC4 IC6 IC7 IC10 IC11 IC13 IC14 IC15 IC16 IC17 IC18 IC19 IC20 IC24 IC25 IC26 IC27 IC28 IC29 IC32 IC33 IC37 IC38 IC39 IC40 IC52 IC53 IC59 IC60 IC61
105	1	uPD74HC4051G or TC74HC4051AF	IC56
106	6	uPD4094BG or TC4094BF or BU4094BCF or TC74HC4094AF	IC41 IC42 IC43 IC44 IC45 IC46
107	1	NIS-164	IC57
108	1	NIS-165	IC58

109	1	KE-07645	T4
110	1	KE-07646	T5
111	1	KE-07647	T6
112	1	KE-07648	T7
113	1	KE-07649	T8
114	1	KE-07780	T12
115	2	KE-07790	T2 T3
116	1	KE-07793	T10
117	1	KE-07804	T11
118	2	NIS-501	DBM1 DBM3
119	1	NIS-502	DBM2
120	5	RK1-9V	K1 K2 K5 K6 K7
121	1	(M-TYPE)	ANT2
122	1	(N-TYPE)	ANT1
123	1	MM3325-2505	J6
124	1	PI22A06M	J4
125	1	PI28A02M	J5
126	1	PI28A08M	J3
127	2	TMP-J01X-V6	J1 J2
128	1	Wire-No.39	JP1
129	6	2.2K(1608)	R377 R378 R379 R380 R381 R382

SAM UNIT

Part	Used	PartType	Designators
1	2	22pF (Cer)	C20 C21
2	2	330pF(Cer)	C18 C19
3	3	1nF (Cer)	C15 C16 C17
4	1	0.1uF (Cer)	C28
5	4	2.2uF/16V(Tan)	C22 C23 C24 C25
6	2	33uF/10V (Ele)	C26 C27
7	1	220	R37
8	1	470	R43
9	3	1K	R28 R29 R30
10	5	2.2K	R23 R24 R25 R26 R27
11	4	10K	R31 R32 R33 R34
12	2	39K	R35 R36
13	1	47K	R41
14	2	100K	R39 R40
15	1	220K	R22
16	1	470K	R42
17	1	RB500V-40	D2
18	3	2SC1009A	Q5 Q6 Q7
19	1	DTC144TK	Q8
20	1	MC14046B	IC4
21	2	TC4W53F	IC5 IC6
22	2	KE-04980	T3 T4
23	2	PI28A09M	J1

TRSW1 UNIT

Part	Used	PartType	Designators
1	1	68nF(Cer)	C1
2	1	DTC124EK	Q1

TRSW2 UNIT

Part	Used	PartType	Designators
1	1	10uF/6.3V(Tan)	C1
2	1	DTC124EK	Q1

TRSW3 UNIT

Part	Used	PartType	Designators
1	1	10K	R1
2	1	DTC124EK	Q1

AUDIOBPF UNIT(NIS-157)

Part	Used	PartType	Designators
1	2	47pF (Cer)	C17 C18
2	1	470pF(Cer)	C21
3	1	8.2nF(Cer)	C20
4	12	10nF (Cer)	C4 C5 C6 C7 C8 C9 C10 C11 C12 C13 C14 C15
5	3	22nF (Cer)	C1 C2 C3
6	1	33nF (Cer)	C22
7	2	1uF (Cer)	C16 C19
8	1	0	R14
9	1	1.8K	R21
10	1	2.2K	R25
11	1	2.7K	R29
12	1	3.3K	R9
13	1	3.9K	R17
14	2	5.1K	R20 R28
15	1	5.6K	R24
16	1	6.8K	R8
17	3	8.2K	R19 R23 R27
18	3	10K	R18 R22 R26
19	1	12K	R6
20	1	15K	R5
21	2	22K	R4 R7
22	2	47K	R2 R16
23	2	62K	R1 R15
24	1	82K	R3
25	4	100K	R30 R31 R32 R33
26	1	220K	R13
27	1	270K	R12
28	1	390K	R11
29	1	1.5M	R10
30	2	uPC4570G	IC5 IC6
		or NJM2043M	
31	4	uPD74HC4052G	IC1 IC2 IC3 IC4
		or TC74HC4052AF	
32	1	9205B-1-04Z002-T	P1
33	2	9205B-1-04Z-T	P2 P3

455FILA UNIT(NIS-155 BW=100kHz)

Part	Used	PartType	Designators
1	1	180pF(Cer)	C5
2	2	220pF(Cer)	C4 C9
3	2	270pF(Cer)	C2 C7
4	5	330pF(Cer)	C3 C6 C8 C10 C11
5	2	0.1uF (Cer)	C1 C12
6	1	220	R1
7	2	56uH	L3 L5
8	2	68uH	L1 L7
9	2	82uH	L2 L6
10	1	270uH	L4
11	2	330uH	L8 L9
12	5	010-1.2-P	P1 P2 P3 P4 P5

455FILB UNIT(NIS-156 BW=220kHz)

Part	Used	PartType	Designators
1	2	180pF(Cer)	C4 C5
2	5	220pF(Cer)	C2 C3 C6 C7 C9
3	3	330pF(Cer)	C8 C10 C11
4	2	0.1uF (Cer)	C1 C12
5	1	220	R1
6	2	68uH	L1 L7
7	2	82uH	L2 L6
8	2	150uH	L3 L5
9	1	270uH	L4
10	2	330uH	L8 L9
11	5	010-1.2-P	P1 P2 P3 P4 P5

NCO UNIT(NIS-150)

Part	Used	PartType	Designators
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1	1	20pF (TZBX4R200BA110)	C17
2	1	43pF(Cer)	C16
3	1	47pF(Cer)	C15
4	1	68pF (Cer Rad)	C18
5	1	120pF(Cer Rad)	C19
6	2	470pF(Cer)	C3 C4
7	1	560pF(Cer)	C2
8	1	680pF(Cer)	C1
9	4	10nF (Cer)	C7 C9 C12 C13
10	6	0.1uF(Cer)	C5 C6 C8 C10 C11 C14
11	1	47	R4
12	1	1K	R3
13	1	2.2K	R2
14	1	33K	R1
15	1	1uH	L1
16	3	1.8uH	L2 L3 L4
17	1	HA19510MP	IC1
18	1	TC7W04F	IC3
19	1	NIS-506	IC2
20	1	16.777216MHz	X1
21	1	9205B-1-13A-T	P1

RFAMP UNIT(NIS-165)

Part	Used	PartType	Designators
1	2	0.5pF (Cer)	C40 C51
2	6	1.5pF(Cer)	C25 C26 C27 C35 C36 C45
3	4	2pF (Cer)	C11 C12 C13 C37
4	3	3pF (Cer)	C1 C3 C24
5	2	4pF (Cer)	C4 C9
6	1	5pF (Cer)	C8
7	1	8pF (Cer)	C33
8	1	10pF (Cer)	C44
9	2	15pF (Cer)	C2 C23
10	1	20pF (Cer)	C20
11	4	100pF (Cer)	C16 C39 C42 C43
12	15	330pF(Cer)	C5 C6 C7 C10 C14 C15 C17 C18 C19 C21 C22 C29 C30 C31 C32
13	4	0	R14 R16 R18 R20
14	1	0(3216)	R21
15	2	47	R5 R22
16	1	100	R2
17	3	150	R6 R8 R11
18	3	1K	R3 R4 R10
19	4	10K	R1 R7 R9 R12
20	4	10K(RVG4H01-103VM)	VR1 VR2 VR3 VR4
21	4	33K	R13 R15 R17 R19
22	2	1.5nH	L28 L26
23	2	2.7nH	L20 L27
24	3	3.3nH	L4 L7 L11
25	3	4.7nH	L3 L15 L19
26	3	5.6nH	L10 L12 L13
27	3	6.8nH	L1 L8 L9
28	1	10nH	L18
29	2	12nH	L2 L6
30	8	BLM21A121	L5 L14 L16 L21 L22 L23 L24 L25
31	3	1SV196	D1 D2 D3
32	4	FHC30LG	Q1 Q2 Q3 Q4
33	1	Wire-No.41	P5
34	1	Wire-No.42	P6
35	1	Wire-No.43	P7
36	1	Wire-No.44	P9
37	1	Wire-No.45	P10
38	1	Wire-No.46	P13
39	1	Wire-No.28	P12
40	1	Wire-No.29	P3
41	1	Wire-No.30	P1

D/A UNIT(NIS-164)

Part	Used	PartType	Designators
1	2	1nF (Cer)	C6 C7
2	1	10nF (Cer)	C5
3	3	4.7uF/35V(Ele)	C2 C3 C4
4	1	4.7K	R8
5	2	10K	R1 R2
6	1	20K	R9
7	1	39K	R11
8	2	47K	R10 R13
9	1	100K	R12
10	1	2SCC1623	Q4
11	2	FMC5	Q1 Q2
12	1	uPC358G or TA75358F or NJM2904M	IC2
13	13	010-1.2-P	P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13

DUMMY UNIT

Part	Used	PartType	Designators
1	1	220	R38
2	1	PI28A08M	NB (J1)
3	1	PI28A09M	SAM(J2)
4	1	PI28A10M	AFC (J3)

DC-JACK UNIT

Part	Used	PartType	Designators
1	1	0.1uF(Cer Rad)	C1
2	1	DSS710D223S12-22	EMIF1
3	1	2865003102	FB1
4	1	JSC0409-01-200	J1

VOR UNIT

Part	Used	PartType	Designators
1	2	10Nf(Cer)	C2 C3
2	1	1uF(Cer)	C1
3	1	10K	R2
4	1	68K	R1
5	1	TC4W53F	IC1