

8. SEMICONDUCTORS AND FUNCTIONS

1) TRANSISTOR

REF NO	TYPE	MANUFATURER	FUNCTION
Q11	2SC4901	HITACHI	RX RF AMP.
Q12	2SC4901	HITACHI	1'ST MIXER
Q13	KTC3880S	K.E.C	1'ST IF AMP.
Q14	KTC3875	K.E.C	SQUELCH
Q15	KRC105S	K.E.C	RX B+ SWITCHING
Q20	KRC104S	K.E.C	RX MUTE
Q21	KRC104S	K.E.C	RX/TX VCO SWITCHING
Q22	2SC4901	HITACHI	O.S.C
Q23	2SC4901	HITACHI	BUFFER
Q24	2SC4901	HITACHI	RX BUFFER
Q25	2SC4901	HITACHI	TX DRIVER
Q31	KTC3875	K.E.C	BATT LOW
Q32	KTC3875	K.E.C	BATT LOW
Q33	KRA105S	K.E.C	TX B+ SWITCHING
Q34	KRC1504S	K.E.C	AUDIO MUTE
Q35	KRC104S	K.E.C	AUDIO MUTE
Q36	KRA101S	K.E.C	TX B+ SWITCHING
Q37	KRA105S	K.E.C	TX SWITCHING
Q42	KRC104S	K.E.C	MIC MUTE
Q43	MMBR951	MOTOLOLA	TX POWER DRIVER AMP.
Q44	BFG135	SIEMENS	TX POWER FINAL AMP.

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2) INTEGRATED CIRCUIT

REF NO	TYPE	MANUFACTURER	FUNCTION
IC11	MC3361CD	MOTOLOLA	2'ND MIXER, IF, AND FM DETECTOR
IC33	LM386	NATIONAL	AUDIO POWER AMP.
IC3	LSC429141DW	MOTOLOLA	C . P . U
IC21	TB31202FN	TOSHIBA	PLL FREQUENCY SYNTHESIZER
IC31	TK11440	TOKO	REGULATOR
IC6	KIA4558F	K.E.C	PRE-EMPHASIS AND MIC AMP, LIMITER.

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Value	Reference No.	Qty
10.01	1C25 C112-113 C116 C118 C121 C132 C139 C214 C227 C231	124
1	1C300 C402 C406 C414 C430 C512 C515 C518 C533 C560 C571	1
1	1C581 C618	1
10.001	1C128 C322 C405 C441	14
10.022	1C205	11
10.047	1C136 C309 C313 C416	14
10.1	1C124-126 C134 C137 C228 C236 C306 C314 C404 C602 C307	112
10.47/10	1C312	11
11.8P	1C204	11
11/10(T)	1C135	11
110/10(T)	1C304 C408	12
1100/10(E)	1C305 C308	12
1100P	1C130 C133 C201 C232-234	16
110P	1C103 C208 C218 C432 C434 C216	16
118P	1C102 C104 C106	13
11uF	1C411-412 C417	13
120P	1C110	11
1220P	1C203	11
122P	1C428	11
12P	1C226 C437	12
13.3/10(T)	1C237 C316	12
130P	1C317-318	12
13P	1C207 C212	12
14.7/10(T)	1C127 C215 C311 C235	14
1470P	1C11 C12 C27 C105 C129 C140 C202 C213 C217 C221 C223	121
1	1C224 C315 C400 C401 C413 C415 C424 C426 C431 C433	1
147P	1C111 C122	12
14P	1C200 C209 C222	13
15P	1C117	11
168P	1C123 C407	12
16P	1C211 C255	12
18P	1C100 C427 C435 C436 C438	15
19P	1C206	11
10	1R0 R320 R333-334 R442 R600	16
110	1R116 R217 R219 R222 R440 R445	16

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1100	1R107 R126 R207 R220 R407	15	1
1100K	1R424	11	1
110K	1R125 R213 R302 R309 R414 R417-418 R421-423 R425 R438	112	1
1150K	1R112	11	1
115K	1R103 R123	12	1
1180K	1R121	11	1
118K	1R408	11	1
11K	1R108-110 R119 R209-210 R335 R444 R446	19	1
11M	1R326 R426	12	1
12.2K	1R11 R122 R202 R204-205 R404 R406 R412	18	1
12.7K	1R303	11	1
122	1R211	11	1
1220	1R102 R106 R114 R206	14	1
1220 (1/2W)	1R301	11	1
127K	1R411	11	1
13.3K	1R113 R214 R304 R310	14	1
1330	1R212 R311	12	1
14.7K	1R104 R115 R124 R127 R133 R203 R224 R314	18	1
147	1R105 R215-216	13	1
1470	1R111 R118 R306	13	1
1470K	1R132 R307-308 R315 R413	15	1
147K	1R117 R201 R218 R225 R305 R316-319 R321-324 R327 R328	119	1
1	1R331-332 R420 R447	1	1
15.6K	1R415-416 R441	13	1
156K	1R101 R208 R221	13	1
1KF448B	1CF11	11	1
121, 4MHz	1CF12	11	1
1CEU455HF	1CF13	11	1
1KDS226S	1D11 D13	12	1
1KDS114	1D21 D45-46	13	1
1KDV154	1D22	11	1
1KDS184S	1D23 D24 D32	13	1
1IN4004	1D31	11	1
1KDS181S	1D12 D42 D44	13	1
1MC3361DR2	1FC11	11	1
1TB31202FN	1FC21	11	1
1P1	1FC3	11	1
1TK11440	1FC31	11	1
1LAQ86	1FC33	11	1
1K1A4558F	1FC6	11	1
12322	1FET11	11	1

127nH	1L12	11	1
122nH	1L13 1L16 1L24-25	14	1
147nH	1L14-15	12	1
12.2uH	1L17	11	1
1100nH	1L21-22	12	1
1913I	1L23 1L41	12	1
15T	1L42-43	12	1
13376	1L44-47	14	1
1TX/BATT LOW	1UB031	11	1
1UM-62C	1MIC1-2	12	1
12SC5084	1Q11-12 Q22-25	16	1
1KTC3800S	1Q13	11	1
1KTC3875S	1Q14 Q31-32	13	1
1KRA105S	1Q15 Q33	12	1
1KRC104S	1Q20-21 Q35 Q37 Q42	15	1
1KTA1504S	1Q34	11	1
1KRA101S	1Q36	11	1
1MBR951	1Q43	11	1
1BFG135	1Q44	11	1
110KB	1RV11 RV21 RV41 VR11	14	1
180M	1SPK1-2	12	1
1PTT	1SW1 SW12	12	1
1MONITOR	1SF11	11	1
1CALL	1SW13	11	1
1CH	1SW14	11	1
1ON/OFF	1VR1	11	1
120.945MHZ	1X11	11	1
112.8MHZ	1X21	11	1
13.58MHZ	1X31	11	1
1JACK-ST	1J1	11	1
1ANTI	1J11	11	1
1CHG	1J2	11	1
16Vdc	1BATT1	11	1

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