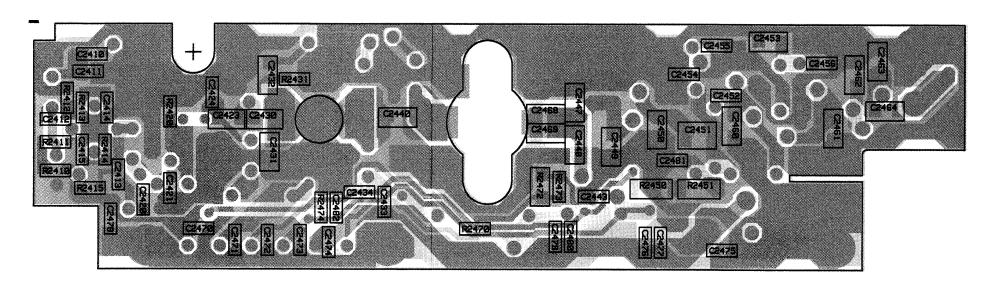
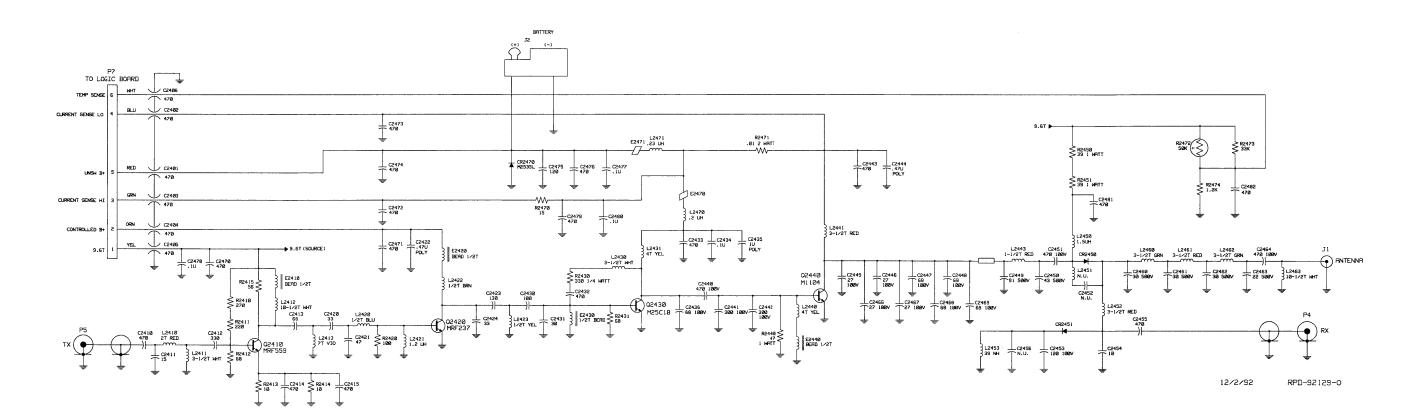
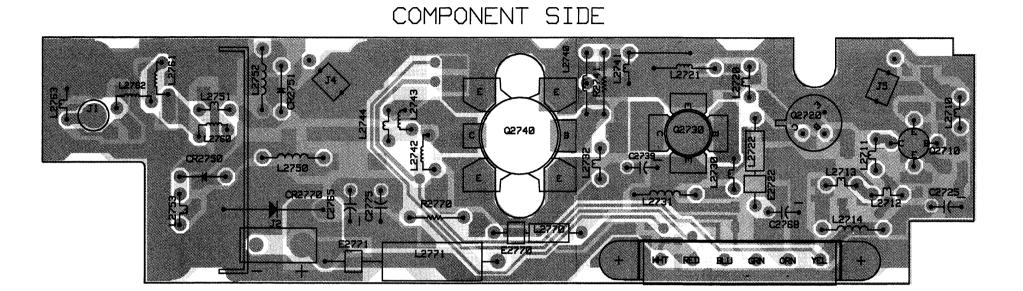


COMPONENT SIDE (Gray)
SOLDER SIDE (Pink)
OVERLAY ------

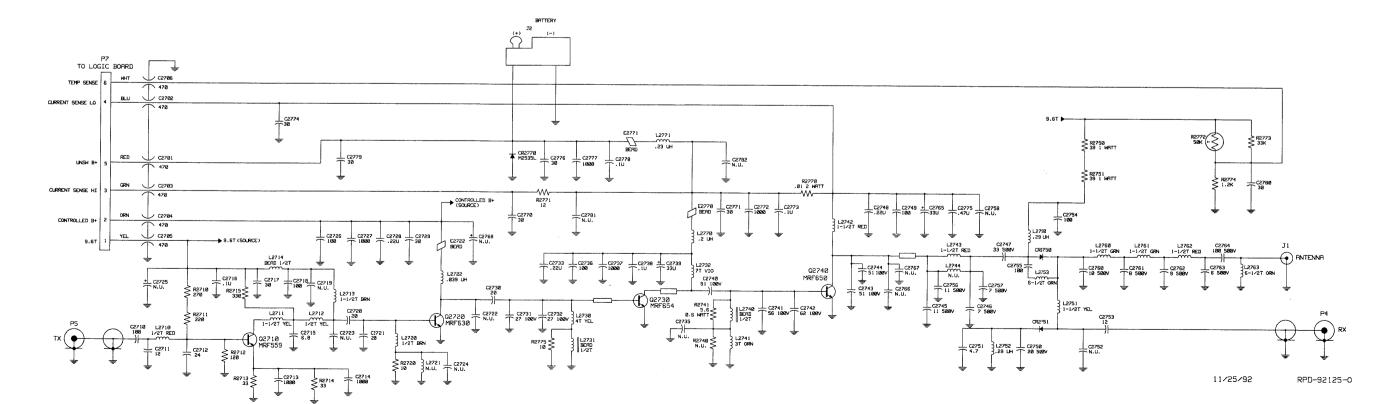
SOLDER SIDE



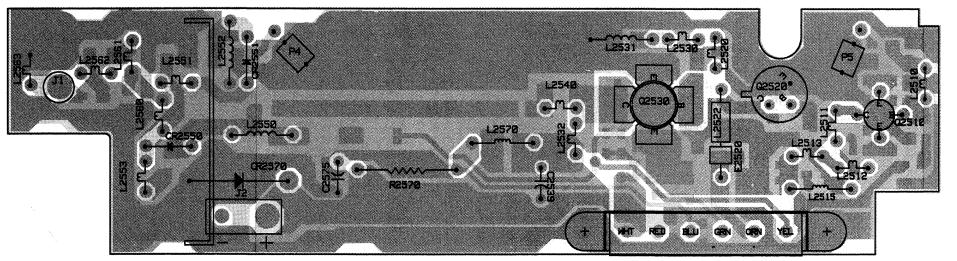




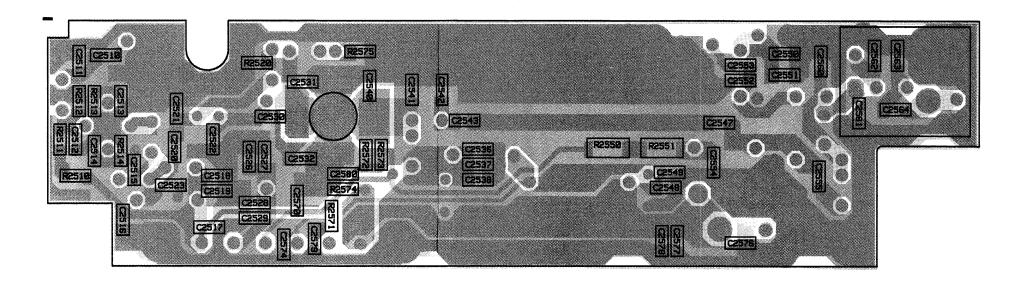
COMPONENT SIDE (Gray)
SOLDER SIDE (Pink)
OVERLAY ------

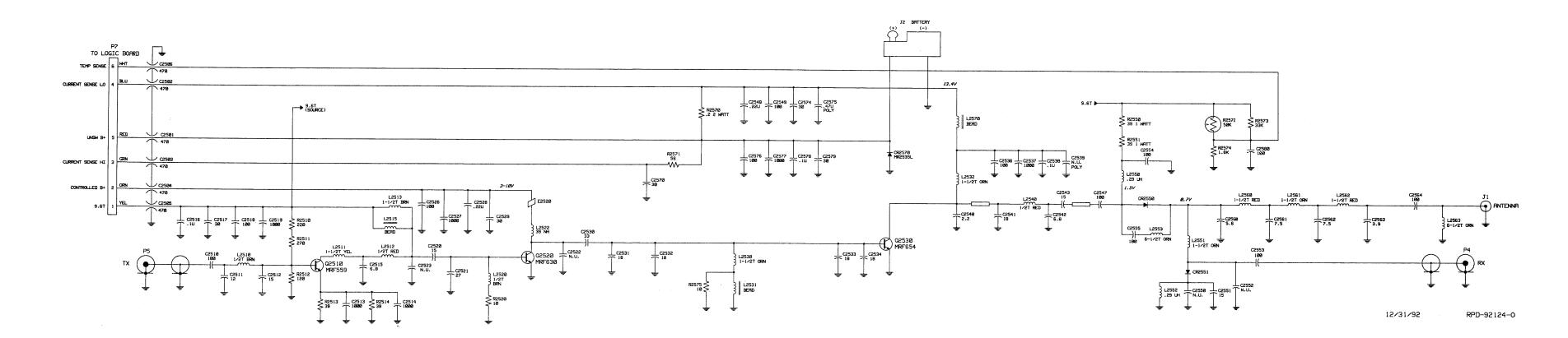


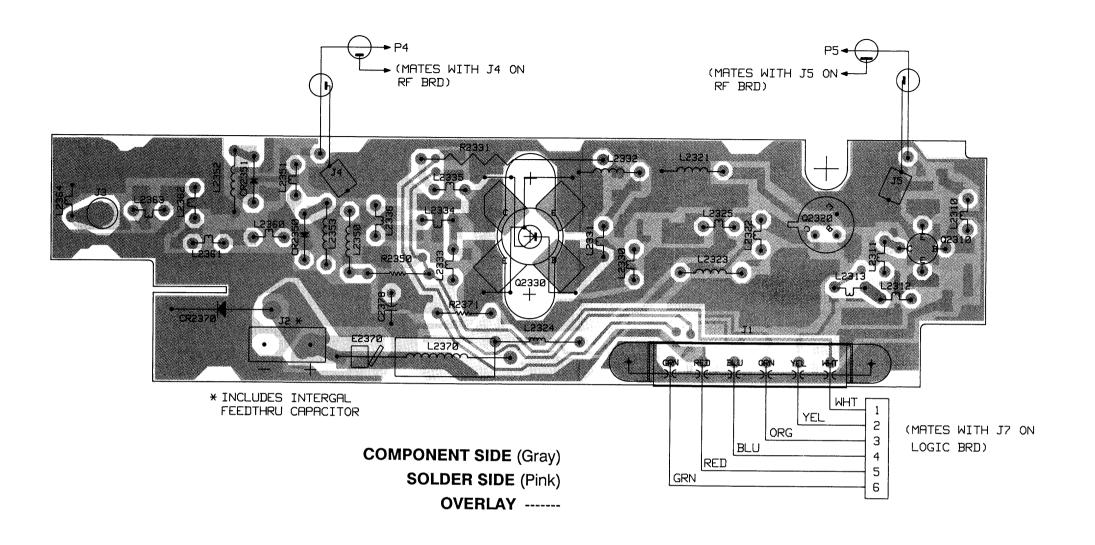
COMPONENT SIDE

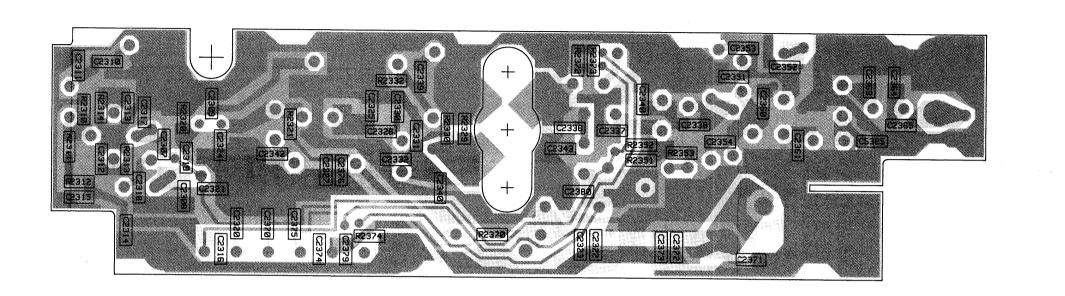


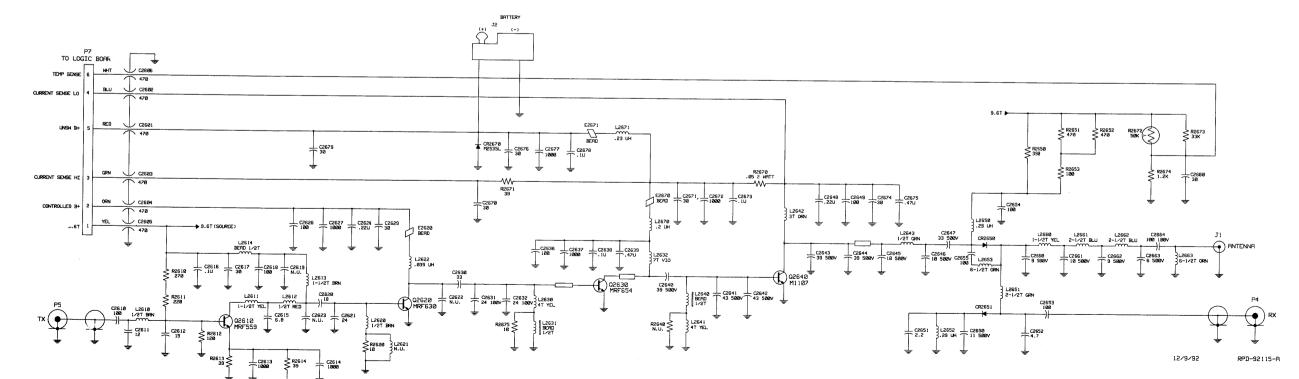
SOLDER SIDE (Gray)
OVERLAY ------

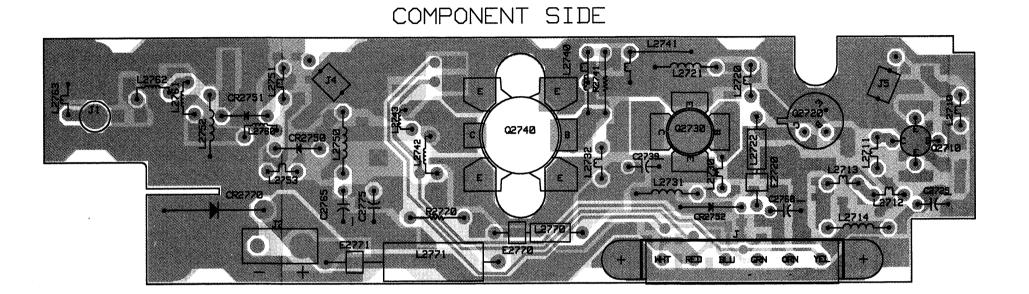




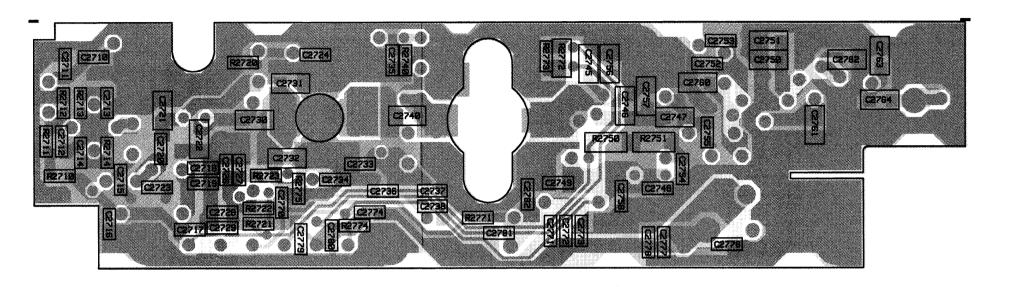


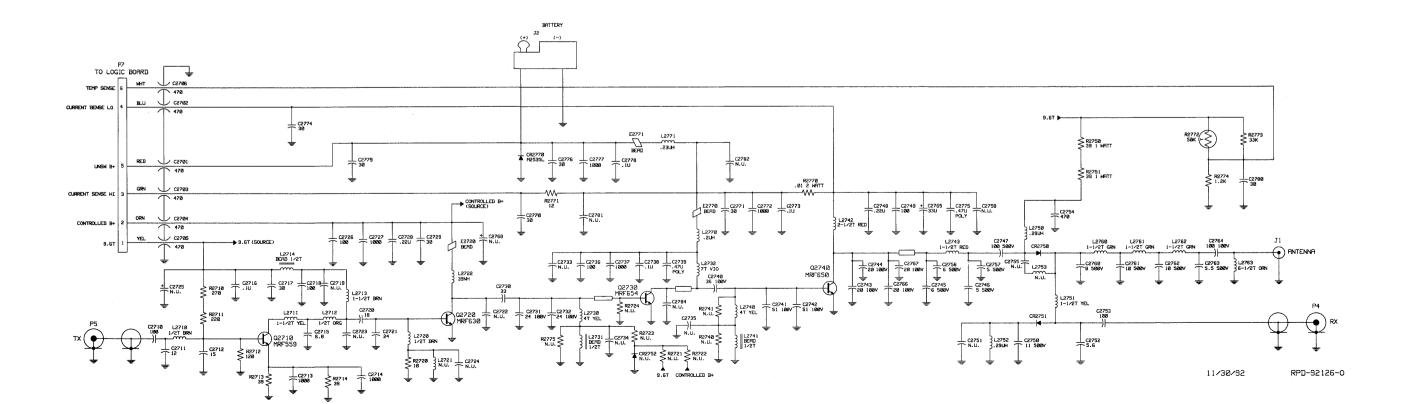


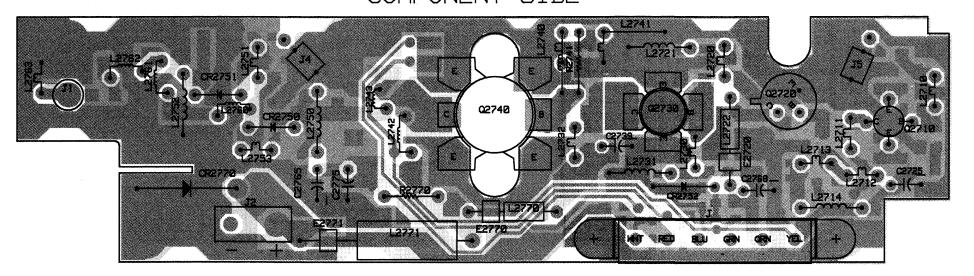




COMPONENT SIDE (Gray)
SOLDER SIDE (Pink)
OVERLAY ------

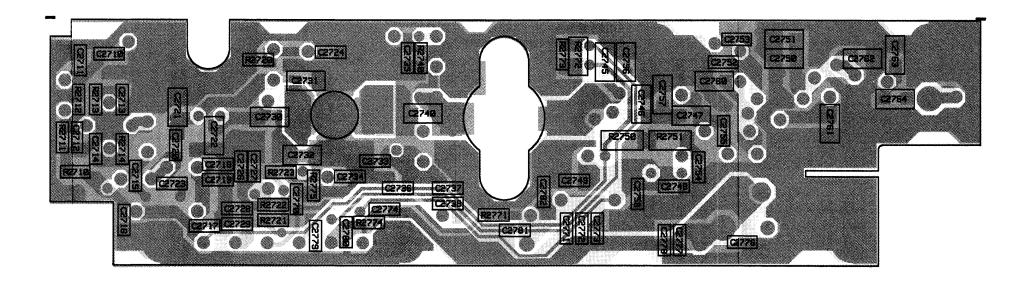


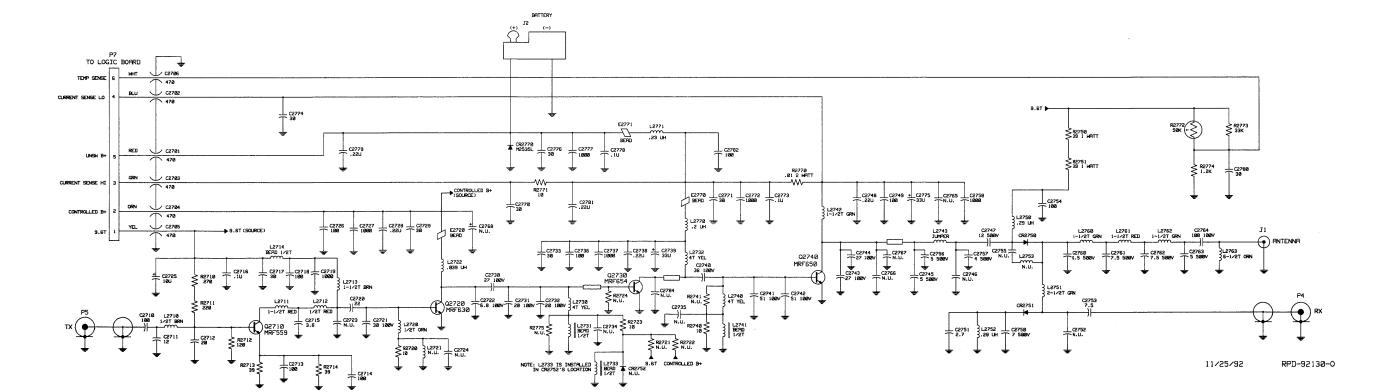


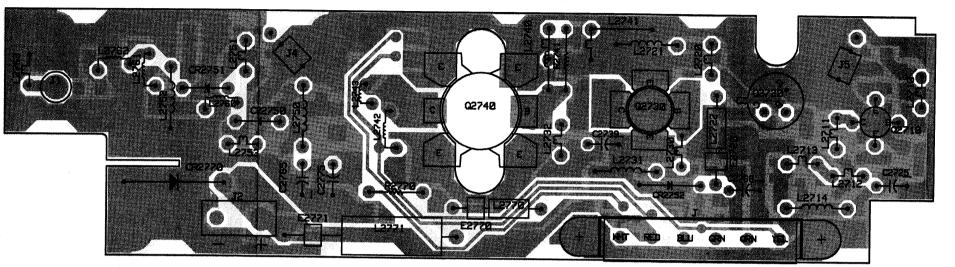


COMPONENT SIDE (Gray)
SOLDER SIDE (Pink)
OVERLAY ------

SOLDER SIDE

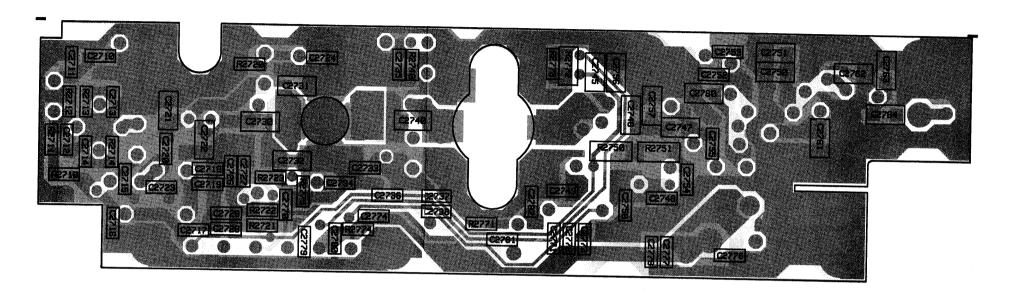


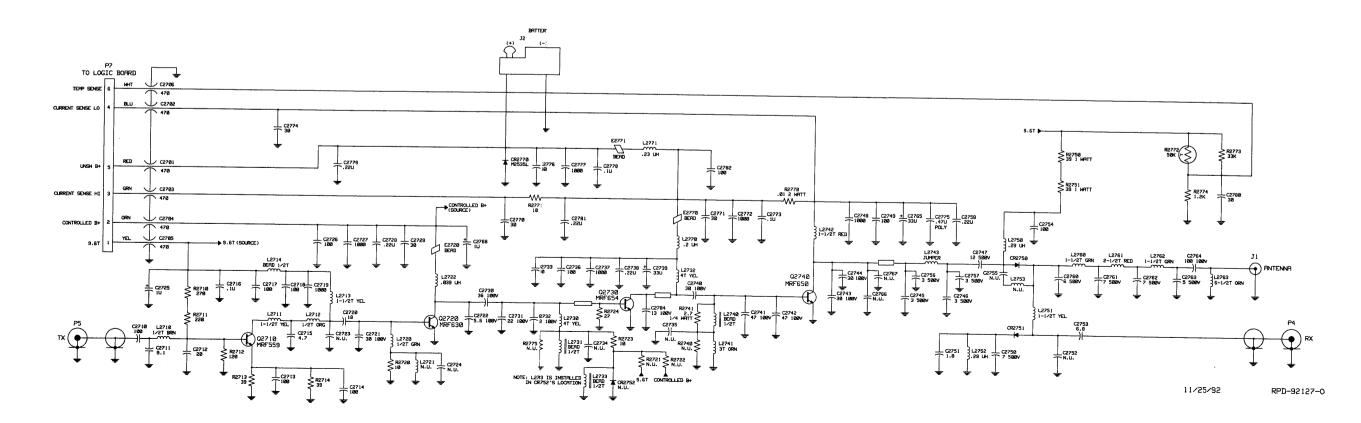


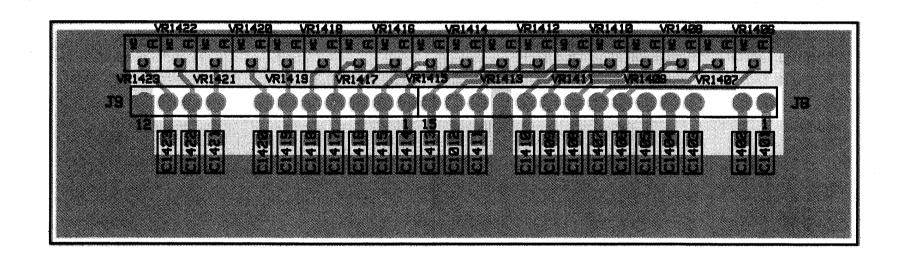


COMPONENT SIDE (Gray)
SOLDER SIDE (Pink)
OVERLAY ------

SOLDER SIDE

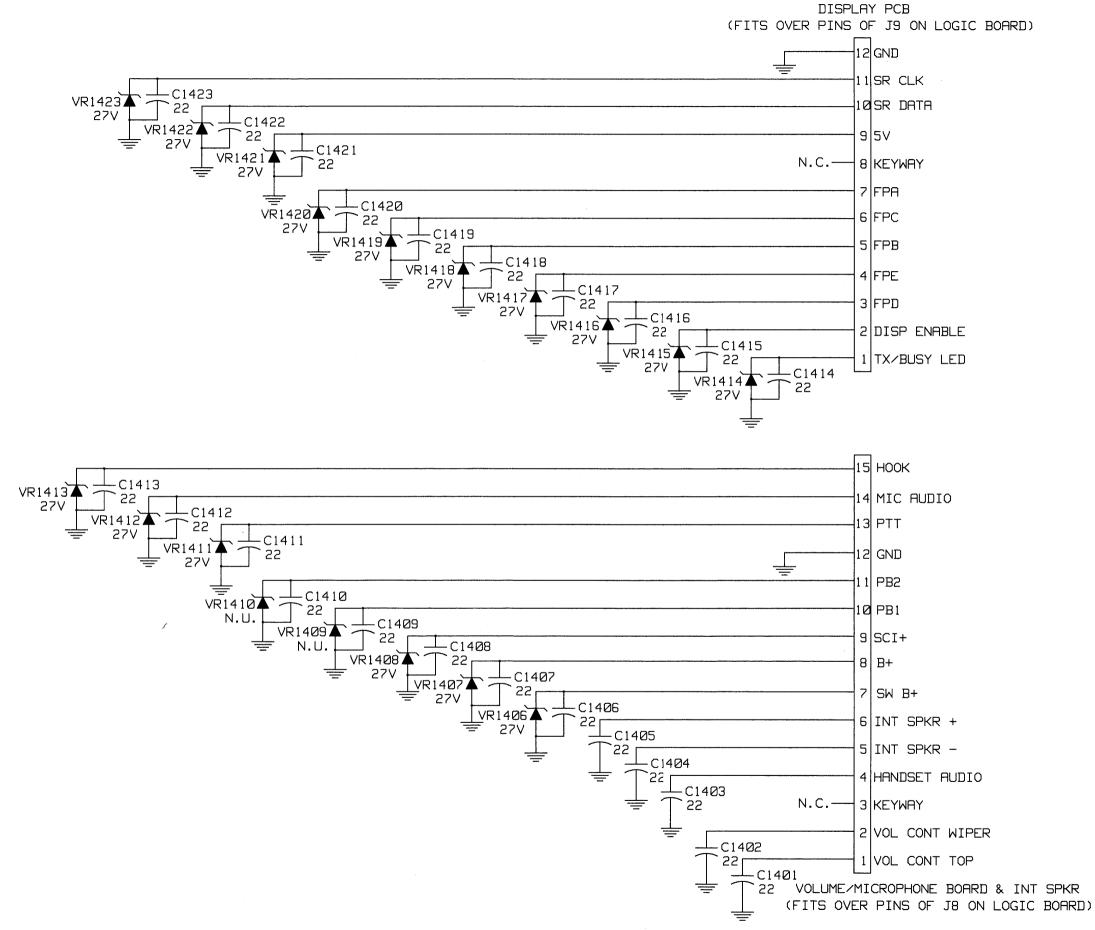






SOLDER SIDE (Gray)

OVERLAY -----



Circuit Board Detail, Schematic and Parts List for Front Panel Filter Board (01-80704Y83)

RPD-92113-0

01-80704Y83 Front Panel Filter Board

REFERENCE MOTOROLA NUMBER PART NO.	DESCRIPTION
------------------------------------	-------------

Capacitor, chip, 5%, 50V unless otherwise indicated

1401	21-13740B33	22 pF
1402	21-13740B33	22 pF
1403	21-13740B33	22 pF
1404	21-13740B33	22 pF
1405	21-13740B33	22 pF
1406	21-13740B33	22 pF
1407		•
	21-13740B33	22 pF
1408	21-13740B33	22 pF
1409	21-13740B33	22 pF
1410	21-13740B33	22 pF
1411	21-13740B33	22 pF
1412	21-13740B33	22 pF
1413	21-13740B33	22 pF
1414	21-13740B33	22 pF
1415	21-13740B33	22 pF
1416	21-13740B33	22 pF
1417	21-13740B33	22 pF
1418	21-13740B33	22 pF
1419	21-13740B33	22 pF
1420	21-13740B33	22 pF
1421	21-13740B33	22 pF
1422	21-13740B33	22 pF
1423	21-13740B33	22 pF
, , , ,	Z 1- 107 70000	مد ۱۷

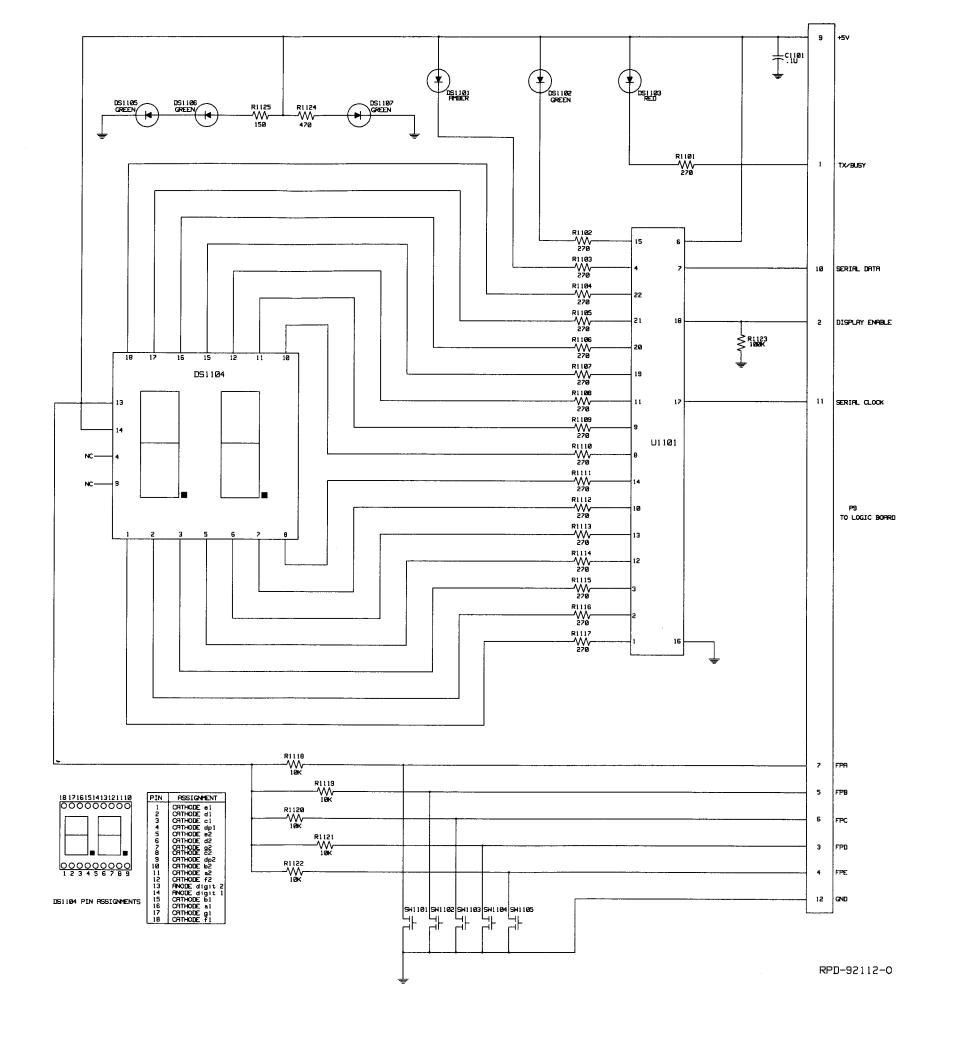
Voltage regulators (see note)

voltage regulato	rs (see note)	
VR1406	48-80948V01	zener diode 27V SOT
VR1407	48-80948V01	zener diode 27V SOT
VR1408	48-80948V01	zener diode 27V SOT
VR1409		not used
VR1410		not used
VR1411	48-80948V01	zener diode 27V SOT
VR1412	48-80948V01	zener diode 27V SOT
VR1413	48-80948V01	zener diode 27V SOT
VR1414	48-80948V01	zener diode 27V SOT
VR1415	48-80948V01	zener diode 27V SOT
VR1416	48-80948V01	zener diode 27V SOT
VR1417	48-80948V01	zener diode 27V SOT
VR1418	48-80948V01	zener diode 27V SOT
VR1419	48-80948V01	zener diode 27V SOT
VR1420	48-80948V01	zener diode 27V SOT
VR1421	48-80948V01	zener diode 27V SOT
VR1422	48-80948V01	zener diode 27V SOT

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

48-80948V01 zener diode 27V SOT

3/12/92 PL-921014-O



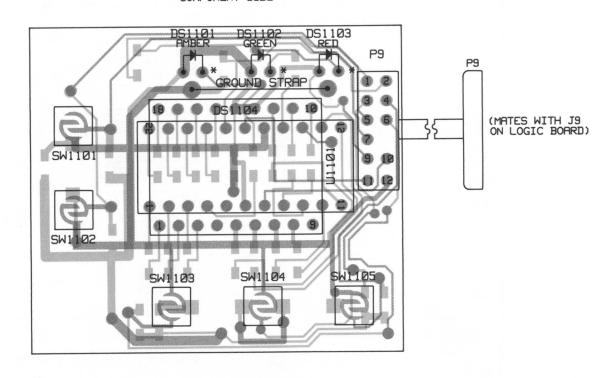
HLN8075A Display Board

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitor, chip	, 5%, 50V unless	otherwise indicated.
C1101	21-13741B69	.1 uF
Displays and In	dicators	
DS1101	48-80051M03	diode LED amber
DS1102	48-80051M02	diode LED green
DS1103	48-80051M01	diode LED red
DS1104	48-80055M01	dual 7 segment LED
DS1105	48-83636N04	diode LED green
DS1106	48-83636N04	diode LED green
DS1107	48-83636N04	diode LED green
Resistors, chip,	5%, 1/10 watt, ur	nless otherwise indicated.
R1101	06-11077A60	270
R1102	06-11077A60	270
R1103	06-11077A60	270
R1104	06-11077A60	270
R1105	06-11077A60	270
R1106	06-11077A60	270
R1107	06-11077A60	270
R1108	06-11077A60	270
R1109	06-11077A60	270
R1110	06-11077A60	270
R1111	06-11077A60	270
R1112	06-11077A60	270
R1113	06-11077A60	270
R1114	06-11077A60	270
R1115	06-11077A60	270
R1116	06-11077A60	270
R1117	06-11077A60	270
R1118	06-11077A98	10k
R1119	06-11077A98	10k
R1120	06-11077A98	10k
R1121	06-11077A98	10k
R1122	06-11077A98	10k
R1123	06-11077B23	100k
R1124	06-11077A66	470
R1125	06-11077A54	150
ntegrated circu	its and modules	(see note)
U1101	51-84437N25	driver, serial to parallel
Non-referenced	items	
	01-80747T11	cable assembly (includes P9)
	42-80053N01	ground strap
	43-80278L01	spacer, LED display
	43-80280L01	spac er, LED
Note: For optim	um performance	, diodes, transistors, and in-

rated circuits must be ordered by Motorola part numbers.

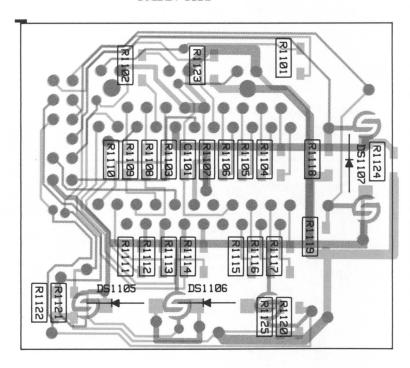
3/12/92

PL-921013-O



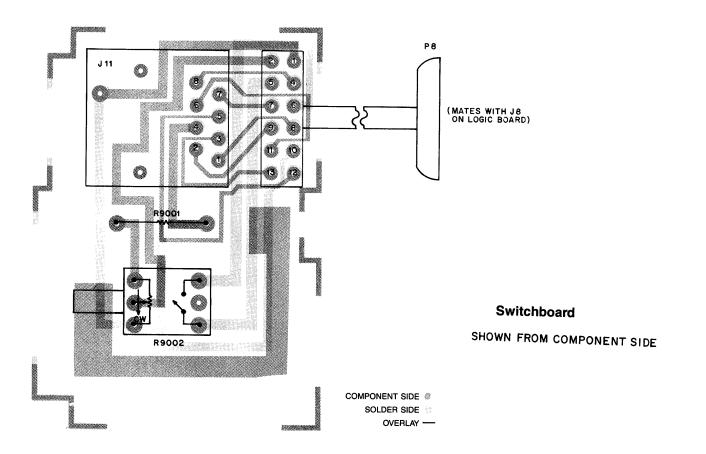
COMPONENT SIDE (Gray)
SOLDER SIDE (Pink)
OVERLAY ------

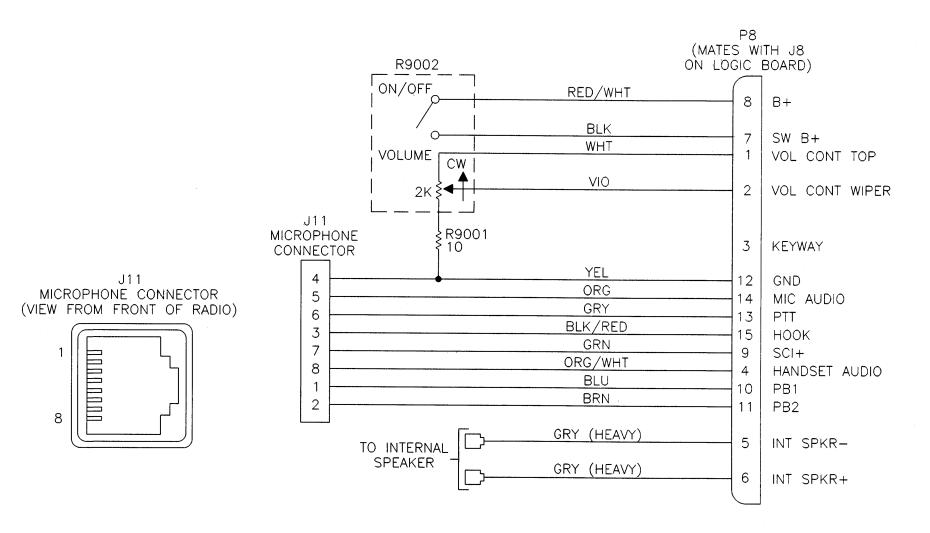
SOLDER SIDE



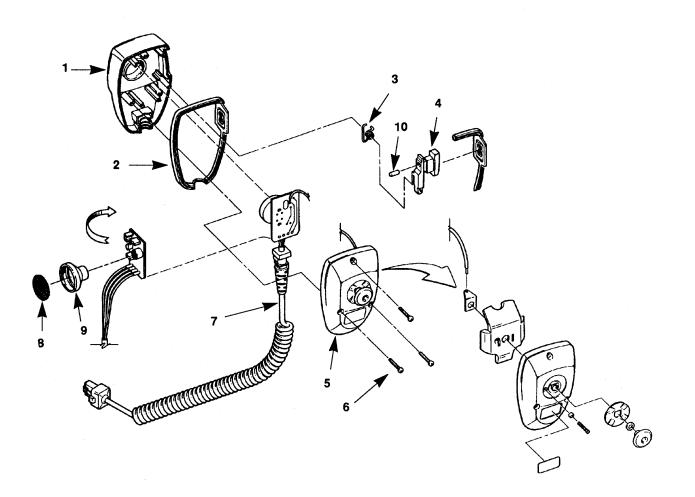
HLN8071A Volume/Microphone Board

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Receptacle, jac	k	
J11	09-80132M01	telephone type, 8 contact
Resistors		a de la companya de
R9001 R9002	06-11009A01 18-80140M01	10 5% 1/4 watt 2k VOLUME with switch
Non-referenced	items	
	01-80614B01	cable assembly (includes P8)
3/12/92		PL-921019-0





RPD-92116-0

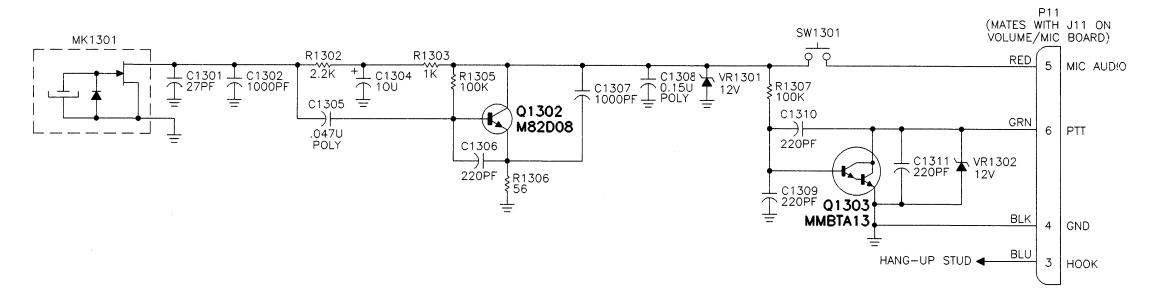


parts list

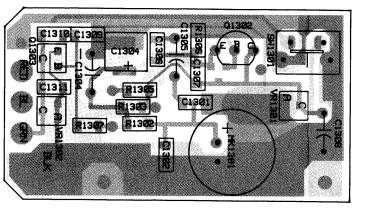
HMN3596A: MICROPHONE EXPLODED VIEW PARTS LIST (part of HMN3413A)

		TIETO TATATO ETOT (PERTOT TIMETO	
REF SYMBOL	MOTOROLA PART NUMBER	DESCRIPTION	QTY. USED
1 2 3 4 5 6 7 8 9	15-80566B02 32-80565B01 41-80150R01 38-80568B01 01-80704Y99 03-11994A23 30-80978Z03 35-80132R01 05-80149R01 75-80983Z02	FRONT HOUSING GASKET, MICROPHONE SPRING PTT BUTTON REAR HOUSING RIVETED SCREWS 5-20 x 7/8 COIL CORD, MICROPHONE FELT, BAFFLE, MICROPHONE GROMMET, MIC. RUBBER SPACER, SWITCH	1 1 1 1 3 1 1 1
			1

SHOWN FROM COMPONENT SIDE Exploded View, Schematic, Circuit Board Detail and Parts List for Microphone



RPD-92117-0



COMPONENT SIDE SOLDER SIDE

01-80704Y98 Microphone Board (Used in HMN3596A Microphone)

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chi	o. 5%. 50V unles	s otherwise indic

C1301	21-13740B35	27 pF
C1302	21-13740B73	1000 pF
C1304	23-11049J27	tantalum 10 uF 10% 2
C1305	08-11051A11	poly .047 uF 63V
C1306	21-13740B57	220 pF
C1307	21-13740B73	1000 pF
C1308	08-11051A14	poly .15 uF 63V
C1309	21-13740B57	220 pF
C1310	21-13740B57	220 pF
C1311	21-13740B57	220 pF

MK1301	50-80258E04	cartridge el
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Q1302	48-80182D08	NPN; type M8208
Q1303	48-05128M19	NPN; type MMBT/

Resistors, chip, 5%, 1/8 watt

R1302	06-11077A82
R1303	06-11077A74
R1305	06-11077B23
R1306	06-11077A44
R1307	06-11077B23

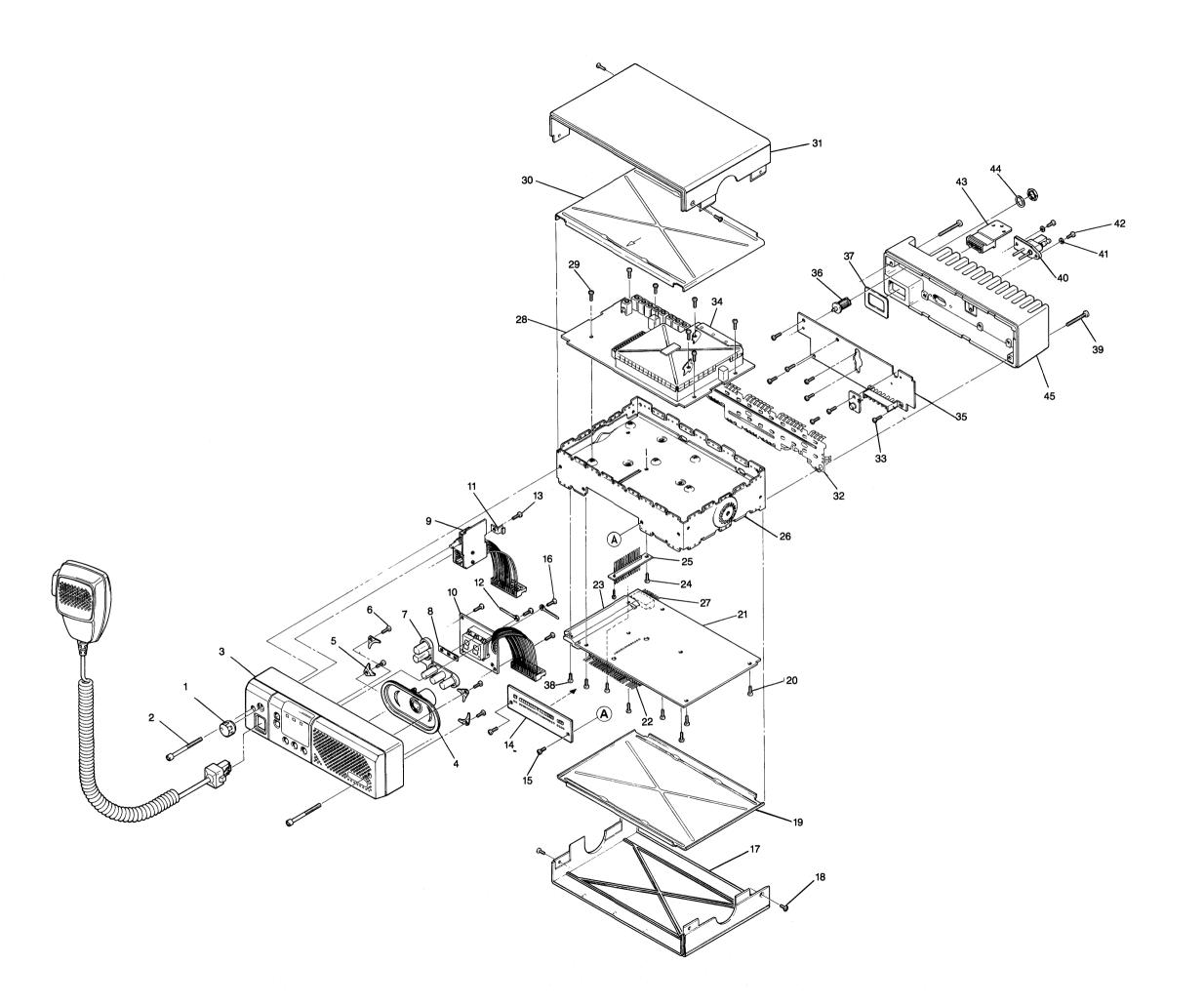
40-80164S01	momentary pushbuttor
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Voltage regulators (see note)

VR1301	48-80140L17	zener diode 12V 5% S
VR1302	48-80140L17	zener diode 12V 5% S

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

PL-921020-O



parts list

(GM300 Mobile Radio exploded view)

REF SYMBOL	MOTOROLA PART NUMBER	DESCRIPTION	USED .90 EA
1	36-80106M03	Knob, Control	1
2	03-80270L01	Screw, M4 x .7 x 38 cap blk	2
3	15-80516B01	Housing, Front-Panel, 8/16 freq.	1 - 5.90 EA
4	50-80085D03	Speaker	1 1
5	42-80253L01	Bracket, speaker	1 4
6	03-10945A11	Screw, M3 x 8 plastite	4
7	75-80517B01	Keypad, elastomeric, 8/16 freq.	1 1
8	32-80039M01	Gasket, LED	1 1
9	HLN8071A	Vol/Mic. cable assembly	1 1
10	HLN8075A	Display PCB assembly, 8/16 freq.	i
11	07-80037M01	Bracket, PCB retainer	1 i
12	29-00129883	Lug	1 i
13	03-10945A11	Screw, M3 x 8 plastite	1 i 1
14	01-80704Y83	Front Panel Filter PCB	1 4 1
15	03-10943M09	Screw, M3 x 6	1 2 .09 EA
16	03-10945M09	Screw, M3 x 8 plastite	4
₽ 17		•	1 - 9.46 EA
18	15-80127L01	Cover, housing	1.76 CM ()
8	03-10943R55	Screw, M3 x 8	4 —
19	26-80498B01	Shield, chassis	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
20	03-10943M09	Screw, M3 x 6	6 SAM
21		Logic Bd. (See model chart)	1 1
22	28-80600B01	Connector, 27 pin, J8 & J9	1 1
23	26-80497B01	Heatsink, logic bd	1
24	03-10943M09	Screw, M3 x 6	2
25	01-80605B01	Feed-thru assembly, RF/Logic	1 1
26	27-80496B01	Chassis	1 1
27	28-80923V01	Connector, 16 pln	1
28		RF Bd. (See model chart)	1 1
29	03-10943M09	Screw, M3 x 6	7
30	26-80498B01	Shield, chassis	1 1 0 11/20 -
31	15-80127L01	Cover, housing	1 - 9.46 EA E
32	26-80223M07	Shield, PA	1 1
33	03-10943M10	Screw, M3 x 8	8
34	26-80229L03	Shield, VCO	1 1
35		(Part of P.A. assembly)	1 1
36	09-80131M01	Antenna connector, mini UHF	1 1
37	32-80014N03	Gasket, accessory conn.	1
38	03-10943M10	Screw, M3 x 8	2
39	03-80271L01	Screw, M4 x 27	2
40	09-80255E01	Power connector	1
41	04-05587G01	Washer, power conn.	1 🛴
42	03-10943M11	Screw, M3 x 10	2
43	01-80701Y58	Connector assembly	1 1
44	04-80943V01	Lock-washer, ant.conn.	1 1
			i

Exploded Mechanical View and Parts List for GM300 Mobile Radios

			C113 C114	21-13741B69 21-13740B73	.1 uF 1000 pF
EFERENCE	MOTOROLA	DESCRIPTION	C115	21-13741B45	.01 uF
UMBER	PART NO.		C116	21-13740B73	1000 pF
			C117	21-13740B73	1000 pF
apacitor, chip	, 5%, 50V unless	otherwise indicated.	C118	21-13740B31	18 pF
	,		C119	21-13740B73	1000 pF
C1	21-13740B30	16 pF	C120	21-13740B73	1000 pF
C2	21-13740B38	36 pF	C121	21-13740B29	15 pF
<u>C</u> 3	21-13740B36	30 pF	C122	21-13740B49	100 pF
<u>04</u>	21-13740B30	16 pF	C127		not used
C5		not used	C151	21-13740B73	1000 pF
<u>C6</u>	21-13740B13	3.3 +/25 pF	C152	21-13740B47	82 pF
07	21-13740B13	3.3 +/25 pF	C153	21-13740B25	10 pF
C8	21-13740B25	10 pF	C154	21-13741B45	.01 uF
C9 C10	21-13740B37	33 pF	C155	21-13740B55	180 pF
C11	21-13740B38	36 pF	C156	21-13740B55	180 pF
C12	21-13740B33	22 pF	C157	21-13741B45	.01 uF
C13	21-13740B65	470 pF	C158	08-11051A15	22 uF 63
C14	21-13740B32	20 pF	C159	21-13740B35	27 pF
C15	21-13740B45	68 pF	C160	21-13740B29	15 pF
	21-13740B43	56 pF	C161	21-13740B73	1000 pF
C16 C17	21-13740B34	24 pF	C162	23-11048B13	lytic 10 uF 20%
C18	21-13740B42	51 pF	C163	08-11051A17	poly .47 uF 63
C19	21-13740B27	12 pF	C164	21-13741B69	.1 uF
C20	21-13740B65	470 pF	C165	21-13740B73	1000 pF
C21	21-11032B15 21-11032B15	.22 uF +80/-20%	C166	21-13740B49	100 pF
C22	21-11032B15	.22 uF +80/-20% .01 uF	C167	21-13740B49	100 pF
C23	21-13741B45	.01 uF	C168	21-13740B49	100 pF
C51	21-13740B35	27 pF	C169	04 40740070	not used
C52	21-13740B35	27 pF	C176 C177	21-13740B73	1000 pF
C53	21-13740B18	5.1 +/25 pF	C201	21-13741B69	.1 uF
C54	21-13740B47	82 pF	C201	23-11048B13	lytic 10 uF 20%
C55	21-13741B45	.01 uF	C206	21-13740B73	1000 pF
C56	21-13741B45	.01 uF	C200	21-13740B27	12 pF
C57	21-13740B29	15 pF	C208	21-13740B29 21-13740B27	15 pF
C58	21-13740B25	10 pF	C209	21-13740B23	12 pF
C59	21-13740B29	15 pF	C210		8.2 +/25 pF
C60	21-13741B45	.01 uF	C210	21-13740B73 21-13740B73	1000 pF
C61	21-13741B45	.01 uF	C212	21-13740B73	1000 pF
C65	21-11032B15	.22 uF +80/-20%	C213	21-13740B19	1000 pF
266	21-13741B45	.01 uF	C214	21-13740B13	5.6 +/25 pF 3.3 +/25 pF
267	23-13749C39	tantalum 10 uF 10% 20V	C215	21-13740B73	1000 pF
C68	21-13740B29	15 pF	C216	21-13740B47	82 pF
C69	21-13740B39	39 pF	C217	2110740047	not used
270	21-13740B29	15 pF	C218	21-13741B45	.01 uF
271	21-11032B15	.22 uF +80/-20%	C219	21-13740B13	3.3 +/25 pF
72	21-11032B15	.22 uF +80/-20%	C220	21-13740B73	1000 pF
C73	23-13749C39	tantalum 10 uF 10% 20V	C221	21-13740B05	1.5 +/25 pF
C74	23-11048B13	lytic 10 uF 20% 16V	C222	21-13741B45	.01 uF
C75	21-13741B69	.1 uF	C223	21-13740B13	3.3 +/25 pF
C76	23-11048B05	lytic 1 uF 20% 50V	C224	21-13740B73	1000 pF
C77	21-11032B15	.22 uF +80/-20%	C225	21-13740B73	1000 pF
C78	21-11032B15	.22 uF +80/-20%	C228	21-13740B80	2200 pF
C79	21-13741B29	.0022 uF	C229	21-13740B05	1.5 +/25 pF
280	21-11032B15	.22 uF +80/-20%	C230	21-13740B05	1.5 +/25 pF
C81	21-13740B55	180 pF	C231	21-13740B38	36 pF
C82	21-11032B15	.22 uF +80/-20%	C232	_:	not used
C83	21-11032B15	.22 uF +80/-20%	C233	21-13740B40	43 pF
C84	21-13740B09	2.2 +/25 pF	C234	21-13740B29	15 pF
285	21-13740B25	10 pF	C235	21-13740B23	8.2 +/25 pF
286		not used	C236	21-13740B23	8.2 +/25 pF
287	21-13741B45	.01 uF	C237	21-13740B73	1000 pF
C88	21-11032B15	.22 uF +80/-20%	C238	21-13740B73	1000 pF
C89		not used	C239	21-13740B73	1000 pF
2101	23-11048B13	lytic 10 uF 20% 16V	C240	21-13740B13	3.3 +/25 pF
C102	08-11051A13	poly .1 uF 63V	C241	21-13740B19	5.6 +/25 pF
2103	21-13741B45	.01 uF	C242	21-13740B73	1000 pF
C104	21-13741B45	.01 uF	C243	21-13740B47	82 pF
C105	23-11048B13	lytic 10 uF 20% 16V	C244		not used
2106	21-13740B29	15 pF	C245	21-13740B73	1000 pF
C107	21-13741B69	.1 uF	C246	21-13740B25	10 pF
2108	21-13741B69	.1 uF	C247	21-13740B73	1000 pF
2109	08-11051A13	poly .1 uF 63V	C248	21-13740B01	1 +/25 pF
C110	08-11051A19	poly 1 uF 63V	C249	21-13741B45	.01 uF
C111	08-11051A09		~ - · -		· • · • •

C251					
	21-13740B73	1000 pF	L59	24-80164M03	tunable .7 uH E716
C252	21-13740B73	1000 pF	L60	24-62587E69	chip 1.2 uH 5%
C253		not used	L61	25-80000E01	tunable 455 kHz with cap
C256	21-13741B45	.01 uF			
C258			L101	24-62587E69	chip 1.2 uH 5%
	08-11051A08	poly .015 uF 63V	L102	24-62587E47	chip 33 nH 5%
C276	21-13741B45	.01 uF	L103	24-62587E76	chip 4.7 uH 5%
C277	23-11048B19	lytic 47 uF 20% 16V	L151	24-80299D01	tunable 17-3/4 turns
C278	23-11048B19	lytic 47 uF 20% 16V	L152	24-11087A35	chip 5.6 uH 10%
C301	21-13741B45	.01 uF			• • • • • • • • • • • • • • • • • • • •
	21-13/41043		L202	24-80148M05	tunable 3-1/2 turns
C302		not used	L203	24-62587E69	chip 1.2 uH 5%
C303	21-13740B65	470 pF	L204	24-62587E47	chip 33 nH 5%
C304		not used	L205	24-62587E69	chip 1.2 uH 5%
C305		not used	L206	24-62587E69	
C306		not used			chip 1.2 uH 5%
			L207	24-62587E69	chip 1.2 uH 5%
C307		not used	L208	24-62587E47	chip 33 nH 5%
C308		not used	L209	24-62587E56	chip .18 uH 5%
C309		not used	L210	24-62587E52	chip 82 nH 5%
C310		not used	L211	24-62587E69	chip 1.2 uH 5%
C311					• • • •
		not used	L213	24-80148M08	tunable 4-1/2 turns
C312		not used	L214	24-62587E69	chip 1.2 uH 5%
C313		not used	L215	24-62587E52	chip 82 nH 5%
			L216	24-62587E69	chip 1.2 uH 5%
Diodes (see not	la)				and the second s
5,5455 (555 115	,		L217	24-62587E69	chip 1.2 uH 5%
000	40.004.044.00		L218	24-62587E69	chip 1.2 uH 5%
CR2	48-80154K03	dual Schottky SOT	L219	24-62587E47	chip 33 nH 5%
CR5	48-80142L01	silicon PIN SOT MMBV3401	L220	24-62587E56	chip .18 uH 5%
CR51	48-05129M76	silicon SOT	L221	24-62587E54	
CR52	48-05129M76	silicon SOT			chip .12 uH 5%
			L222	24-62587E69	chip 1.2 uH 5%
CR101	48-05129M76	silicon SOT	L301	24-84657R01	ferrite bead
CR102	48-05129M76	silicon SOT			
CR151	48-80006E10	silicon varactor SOT	Transistors (see	note)	
CR152	48-80006E10	silicon varactor SOT	11411010101010 (001	, 11010)	
CR153		_	0.4	40.000001404	NEW ANDREAS
	48-84336R03	dual silicon SOT MMBD7000	Q1	48-80950X01	NPN; type M50X01
CR202	48-80006E11	silicon varactor SOT	Q2	48-05128M67	PNP; type MMBT3906
CR203	48-80006E11	silicon varactor SOT	Q5	48-05128M67	PNP; type MMBT3906
CR204	48-80006E11	silicon varactor SQT	Q6	48-80214G02	NPN; type MMBT3904
CR205	48-80006E11	silicon varactor SOT			
CR206			Q51	48-05128M66	field effect; type MMBFU310
	48-80154K03	dual Schottky SOT	Q52	48-05128M66	field effect; type MMBFU310
CR209	48-80006E10	silicon varactor SOT	Q53	48-80214G02	NPN; type MMBT3904
CR210	48-80006E11	silicon varactor SOT	Q101	48-05128M67	PNP; type MMBT3906
CR211	48-80006E11	silicon varactor SOT	Q102		
CR212			_	48-80182D20	NPN; type M82D20/M9987
	48-80006E11	silicon varactor SOT	Q103	48-80182D20	NPN; type M82D20/M9987
CR213	48-80006E11	silicon varactor SOT	Q104	48-05128M67	PNP; type MMBT3906
CR214	48-80154K03	dual Schottky SOT	Q105	48-80214G02	NPN; type MMBT3904
		<u>-</u>	Q106	48-80214G02	NPN; type MMBT3904
Filters			Q107		
				48-11043C19	NPN; type M43C19/M9658
	04 00007004	455 111 05	Q151	48-11043C19	NPN; type M43C19/M9658
FL51(N)	91-80097D04	455 kHz 6F	Q152	48-11043C06	PNP; type M43C06/M9643
FL51(W)			GIOL		
	91-80097D06	455 kHz 6D	_		field effect: type MMBFU310
FL52(N)			Q203	48-05128M66	field effect; type MMBFU310
FL52(N) FL52(W)	91-80098D04	455 kHz 4F	Q203 Q204	48-05128M66 48-11043C19	NPN; type M43C19/M9658
FL52(N) FL52(W)			Q203 Q204 Q205	48-05128M66 48-11043C19 48-11043C19	NPN; type M43C19/M9658 NPN; type M43C19/M9658
FL52(W)	91-80098D04 91-80098D06	455 kHz 4F	Q203 Q204	48-05128M66 48-11043C19	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310
	91-80098D04 91-80098D06	455 kHz 4F	Q203 Q204 Q205	48-05128M66 48-11043C19 48-11043C19	NPN; type M43C19/M9658 NPN; type M43C19/M9658
FL52(W)	91-80098D04 91-80098D06	455 kHz 4F	Q203 Q204 Q205 Q206 Q207	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658
FL52(W)	91-80098D04 91-80098D06	455 kHz 4F	Q203 Q204 Q205 Q206 Q207 Q208	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658
FL52(W) Connector, rece J4	91-80098D04 91-80098D06 eptacle 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904
FL52(W) Connector, rece J4 J5	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-1043C19 48-80214G02 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906
FL52(W) Connector, rece J4	91-80098D04 91-80098D06 eptacle 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904
FL52(W) Connector, rece J4 J5 J6	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-1043C19 48-80214G02 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6 Coils	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX)	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6 Coils L1	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip,	48-05128M66 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip,	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip,	48-05128M66 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5% chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip,	48-05128M66 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip,	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A66	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5% chip 68 nH 5% chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4	48-05128M66 48-11043C19 48-10143C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A66 06-11077A84	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 onless otherwise indicated.
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ur 06-11077A30 06-11077A66 06-11077A84 06-11077A56	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ui 06-11077A30 06-11077A84 06-11077A98	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ur 06-11077A30 06-11077A66 06-11077A84 06-11077A56	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E59	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ui 06-11077A30 06-11077A84 06-11077A98	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ui 06-11077A30 06-11077A36 06-11077A86 06-11077A98 06-11077A98 06-11077A98	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E69	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 68 nH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A66 06-11077A96 06-11077A96 06-11077A98 06-11077A98 06-11077A98	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E69 24-62587E61	coaxial (RX) coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip 68 nH 5% chip 1.4 uH 5% chip 1.4 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A66 06-11077A94 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A90 06-11077A90	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E61 24-62587E61 24-62587E61	coaxial (RX) coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip .47 uH 5% chip .47 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A96 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A90 06-11077A90 06-11077B97 06-11077B97	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E61 24-62587E61 24-62587E61 24-62587E61	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 68 nH 5% chip 1.2 uH 5% chip 68 nH 5% chip 1.47 uH 5% chip .47 uH 5% chip .47 uH 5% chip .47 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A66 06-11077A94 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A90 06-11077A90	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k
FL52(W) Connector, recell J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53 L54	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E61 24-62587E61 24-62587E61	coaxial (RX) coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip .47 uH 5% chip .47 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A30 06-11077A96 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A99 06-11077A90 06-11077A90 06-11077B07 06-11077B07	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k 100
FL52(W) Connector, rece J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E61 24-62587E61 24-62587E61 24-62587E61	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 68 nH 5% chip 1.2 uH 5% chip 68 nH 5% chip 1.47 uH 5% chip .47 uH 5% chip .47 uH 5% chip .47 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R11	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ui 06-11077A30 06-11077A96 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k 100 560
FL52(W) Connector, recell J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53 L54	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E69 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip 1.47 uH 5% chip .47 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R11 R12 R13 R13 R13	48-05128M66 48-11043C19 48-11043C19 48-05128M66 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, ur 06-11077A66 06-11077A66 06-11077A98 06-11077A98 06-11077A98 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k 100 560 51
FL52(W) Connector, received J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53 L54 L55 L54	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip 1.47 uH 5% chip .47 uH 5% tunable .7 uH E715 tunable .7 uH E713	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R51 R52	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A86 06-11077A84 06-11077A98 06-11077A98 06-11077A98 06-11077A90 06-11077A90 06-11077A91 06-11077A95 06-11077A95 06-11077A95 06-11077A95 06-11077A95	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k 100 560 51 150
FL52(W) Connector, received J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53 L54 L55 L56 L57	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-80164M01 24-80164M01	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip 1.47 uH 5% chip .47 uH 5% thip .47 uH 5%	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R5 R5 R5 R6 R7 R8 R9 R10 R11 R12 R13 R51 R52 R53	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-1043C19 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A66 06-11077A66 06-11077A96 06-11077A98 06-11077A99 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A50 06-11077A50 06-11077A50 06-11077A54 06-11077A54	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k 100 560 51 150 3.9k
FL52(W) Connector, received J4 J5 J6 Coils L1 L2 L3 L4 L5 L6 L7 L8 L10 L11 L51 L52 L53 L54 L55 L54	91-80098D04 91-80098D06 eptacle 09-80135M01 09-80135M01 09-80135M01 09-80130M03 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E51 24-62587E69 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61 24-62587E61	455 kHz 4F 455 kHz 4D coaxial (RX) coaxial (TX) 14-pin, RF board chip 68 nH 5% chip 1.2 uH 5% chip 1.2 uH 5% chip 1.47 uH 5% chip .47 uH 5% tunable .7 uH E715 tunable .7 uH E713	Q203 Q204 Q205 Q206 Q207 Q208 Q276 Q277 Q278 Q279 Resistors, chip, R1 R2 R3 R4 R5 R6 R7 R8 R9 R10 R11 R12 R13 R51 R52	48-05128M66 48-11043C19 48-1043C19 48-05128M66 48-11043C19 48-11043C19 48-80214G02 48-05128M67 48-05128M67 48-05128M67 5%, 1/10 watt, un 06-11077A86 06-11077A84 06-11077A98 06-11077A98 06-11077A98 06-11077A90 06-11077A90 06-11077A91 06-11077A95 06-11077A95 06-11077A95 06-11077A95 06-11077A95	NPN; type M43C19/M9658 NPN; type M43C19/M9658 field effect; type MMBFU310 NPN; type M43C19/M9658 NPN; type M43C19/M9658 NPN; type MMBT3904 PNP; type MMBT3906 PNP; type MMBT3906 PNP; type MMBT3906 nless otherwise indicated. 15 not used 470 2.7k 180 10k 8.2k 10k 4.7k 22k 47k 100 560 51 150

R56	06-11077B45	820k	R227	06-11077A44	EG
R57	06-11077A72	820	R228	06-11077A44 06-11077A50	56 100
R58	06-11077B23	100k	R229	06-11077A84	2.7k
R59	06-11077B27	150k	R230	06-11077A98	10k
R60	18-05500L08	variable 22k	R231	06-11077A96	2.7k
R61(N)	06-11077B07	22k	R232	06-11077A54	820
R61 (W)	06-11077B19	68k	R233	06-11077A72	100
R62(N)	06-11077A26	10	R234	06-11077A84	2.7k
R62(W)	06-11077B09	27k	R235	06-11077A64 06-11077A72	820
R63	06-11077B21	82k	R236		
R102	06-11077A62	330	R237	06-11077A42	47
R103	06-11077A98	10k	R238	06-11077A62	330
R104	06-11077A98	10k	R239	06-11077A32	18 330
R105	06-11077B11	33k	R241	06-11077A62	
R106	06-11077A74	1k	R276	06-11077B23 06-11077A98	100k 10k
R107	06-11077A78	1.5k	R277		
R108	06-11077A26	10	R278	06-11077A60	270
R109	06-11077A26	10	R279	06-11077A26	10
R110	06-11077B03	15k		06-11077A90	4.7k
R111	06-11077A72	820	R280	06-11077A98	10k
R112	06-11077A86	3.3k	R281	06-11077A90	4.7k
R113	06-11077A74	1k	R301	06-11077A74	1k
R114	06-11077A72	820	R302	18-05500L08	variable 22k
R115	06-11077A72	680	R303	06-11077B01	12k
R116	06-11077A70 06-11077A92	5.6k	Teameleaseeee		
R118			Transformers		
R119	06-11077A70	680	T4	OF 004001400	halisa
R120	06-11077A90 06-11077A88	4.7k 3.9k	T1	25-80163M02	balun
R121			T2	25-80163M02	balun
R122	06-11077A88	3.9k			
R123	06-11077A43	51	integrated circu	iits and modules	(see note)
R124	06-11077A50	100	114	40.00474704	0-1 1 0010
R125	06-11077A84	2.7k	U1	48-80174R01	quad Schottky ring SOIC
	06-11077A72	820	U51	51-05479G05	receiver system /4.87
R151 R152	06-11077B15	47k	U101	51-84704M75	synthesizer
R153	06-11077B11	33k	U102	51-84810F66	prescaler
R154	06-11077B15	47k	U176	51-80932W01	dual op-amp
	06-11077A34	22	Maltana as as as lat	/	
R155	06-11077A98	10k	Voltage regulat	ors (see note)	
R156	06-11077B03	15k	\ (D470	40.00050044	
R157	06-11077A78	1.5k	VR176	48-82256C11	zener diode 10V 5%
R158	06-11077A74	1k	•		
R159	06-11077A74	1k	Crystals		
R160	00 44077100	not used	Me4 (51)	04 000001400	(II) 4-4891 40-111
R161	06-11077A98	10k	Y51(N)	91-80022M03	filter 45.1 MHz 12.5 kHz
R162	00 44077544	not used	Y51(W)	91-80022M02	filter 45.1 MHz 25 kHz
R163(N)	06-11077B11	33k	Y52	48-80008K02	44.645 MHz
R163(W)	06-11077A50	100	Y151	48-80174D05	14.4 MHz
R164	18-05500L08	variable 22k	Nan astaura	1 !4	
R165(N)	06-11077A98	10k	Non-referenced	i items	
R165(W)	06-11077B03	15k		00 000071404	abiald and and deal
R176	06-11077G26	22.6k 1%		26-80097M01	shield coil can (for L151)
R177	06-11077G18	18.7k 1%		26-80098M01	shield coil can (10 used)
R178	06-11077F91	10.0k 1%		26-80228L01	shield can (2 used, for J4
R179	06-11077F91	10.0k 1%		00 000001 00	and J5)
R180	06-11077G52	42.2k 1%		26-80229L03	shield VCO frame
R181	06-11077F91	10.0k 1%		75-05295B02	insulator (for Y151)
R182	06-11077G28	23.7k 1%		75-05295B05	insulator (3 used, for
R207	06-11077A44	56			Y51A/B, Y52)
R208	06-11077A44	56	Marin E		
R209	06-11077A50	100			e, diodes, transistors, and in-
R210	06-11077A84	2.7k	tegrated circuit	s must be ordere	d by Motorola part numbers.
R211	06-11077A98	10k	40/44/00		51
R212	06-11077A84	2.7k	12/14/92		PL-921009-A
R213	06-11077A72	820			
R214	06-11077A50	100			
R215	06-11077A84	2.7k			
R216	06-11077A72	820			
R217	06-11077A42	47			
R218	06-11077A54	150			
R219	06-11077A40	39			
R220	06-11077A54	150			
R222	06-11077A88	3.9k			
R223(N)	06-11077A92	5.6k			
R223(W)	06-11077A66	470			
R224	06-11077B23	100k			
R225(N)	06-11077A92	5.6k			
R225(W)	06-11077B01	12k			
R226	06-11077A44	56			

	Board, 403-433 M Board, 403-433 M	IHz, 12.5 kHz (N) IHz, 25 kHz (W)	C101 C102 C103	23-11048B13 08-11051A13 21-11032B15	lytic 10 uF 20% 16V poly .1 uF 63V .22 uF +80/-20%
REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION	C104	21-13741B45	.01 uF
			C105 C106	23-11048B13 21-13740B29	lytic 10 uF 20% 16V 15 pF
	, 5%, 50V unless	otherwise indicated.	C107 C108	21-13741B69 21-13741B69	.1 uF .1 uF
C1 C2	21-13740G27 21-13740G27	8.2 +/1 pF 8.2 +/1 pF	C109	08-11051A13	poly .1 uF 63V
C3	21-13740G17	3.9 +/1 pF	C110 C111	08-11051A19 08-11051A09	poly 1 uF 63V poly .022 uF 63V
C4 C5	21-13740G30 21-13740G21	11 pF 2%	C112	08-11051A01	poly .001 uF 63V
C6	21-13740G21 21-13740G19	5.6 +/1 pF 4.7 +/1 pF	C113 C114	21-13741B45 21-13740B45	.01 uF 68 pF
C7	21-13740G27	8.2 +/1 pF	C115	21-13741B45	.01 uF
C8 C9	21-13740G17 21-13740G21	3.9 +/1 pF 5.6 +/1 pF	C116 C117	21-13740B49	100 pF not used
C10	21-13740G27	8.2 +/1 pF	C118		not used
C11 C12	21-13740G32 21-13740B45	13 pF 2%	C119	21-13740B45	68 pF
C13	21-13740G27	68 pF 8.2 +/1 pF	C120 C121	21-13740B45 21-13740B19	68 pF 5.6 +/25 pF
C14	04 40740040	not used	C122	21-13740B49	100 pF
C15 C16	21-13740G13 21-13740G20	2.7 +/1 pF 5.1 +/1 pF	C123 C124	21-13740B45 21-13740B25	68 pF 10 pF
C17	21-13740G37	22 pF 2%	C125	21-13740B73	1000 pF
C18 C19	21-13740G19 21-13740G16	4.7 +/1 pF 3.6 +/1 pF	C126	01 11000D1E	not used
C20	21-13740G36	20 pF 2%	C127 C128	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%
C21	21-13740G18	4.3 +/1 pF	C129	21-11032B15	.22 uF +80/-20%
C22 C23	21-13740G17 21-13740G35	3.9 +/1 pF 18 pF 2%	C130 C131	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%
C24	21-13740G20	5.1 +/1 pF	C132	21-11032B15	.22 uF +80/-20%
C25 C26	21-13740G29 21-13740G31	10 pF 2% 12 pF 2%	C133 C151	21-13740B49	100 pF
C27	21-11032B15	.22 uF +80/-20%	C151	21-13740B73 21-13740B47	1000 pF 82 pF
C28 C29	21-13740B45	68 pF	C153	21-13740B25	10 pF
C30	21-13740B35	not used 27 pF	C154 C155	21-13741B45 21-13740B55	.01 uF 180 pF
C33	21-13741B45	.01 uF	C156	21-13740B55	180 pF
C51 C52	21-13740B55 21-13740B27	180 pF 12 pF	C157 C158	08-11051A15	not used poly .22 uF 63V
C53	21-13740B47	82 pF	C159	21-13740B35	27 pF
C54 C55	21-13740B61 21-13741B45	330 pF .01 uF	C160	21-13740B29	15 pF
C56	21-13741B45	.01 uF	C161 C162	21-13740B73 23-11048B13	1000 pF lytic 10 uF 20% 16V
C57(N)	21-13740B29	15 pF	C163	08-11051A17	poly .47 uF 63V
C57(W) C58(N)	21-13740B31 21-13740B25	18 pF 10 pF	C164 C165	21-11032B15 21-13741B33	.22 uF +80/-20% .0033 uF
C58(W)	21-13740B27	12 pF	C176	21-13740B73	1000 pF
C59(N) C59(W)	21-13740B29 21-13740B31	15 pF	C201 C205	23-11048B13	lytic 10 uF 20% 16V
C60	21-13740B31 21-13741B45	18 pF .01 uF	C205 C206	21-13740B49 21-13740B16	100 pF 4.3 +/25 pF
C61	21-13741B45	.01 uF	C207	21-13740B19	5.6 +/25 pF
C65 C66	21-11032B15 21-13741B45	.22 uF +80/-20% .01 uF	C208 C209	21-13740B14 21-13740B14	3.6 +/25 pF 3.6 +/25 pF
C67	23-13749C39	tantalum 10 uF 10% 20V	C210	21-13740B49	100 pF
C68 C69	21-13740B29 21-13740B39	15 pF 39 pF	C212 C213	21-13740B49	100 pF
C70	21-13740B29	15 pF	C213	21-13740B01 21-13740B13	1 +/25 pF 3.3 +/25 pF
C71	21-11032B15	.22 uF +80/-20%	C215	21-13740B49	100 pF
C72 C73	21-11032B15 23-13749C39	.22 uF +80/-20% tantalum 10 uF 10% 20V	C216 C218	21-13740B13 21-13740B49	3.3 +/25 pF 100 pF
C74	23-11048B13	lytic_10 uF 20% 16V	C220	21-13740B25	10 pF
C75 C76	21-13741B69 23-11048B05	.1 uF lytic 1 uF 20% 50V	C221	21-13740B05	1.5 +/25 pF
C77	21-11032B15	.22 uF +80/-20%	C222 C224	21-13740B49 21-13740B49	100 pF 100 pF
C78 C79	21-11032B15	.22 uF +80/-20%	C225	21-13740B49	100 pF
C80	21-13741B29 21-11032B15	.0022 uF .22 uF +80/-20%	C228 C230	21-13741B29 21-13740B05	.0022 uF 1.5 +/25 pF
C81	21-13740B55	180 pF	C231	21-13740B05	1.5 +/25 pF
C82 C83	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%	C233	21-13740B18	5.1 +/25 pF
C84	21-13740B09	2.2 +/25 pF	C234 C235	21-13740B23 21-13740B22	8.2 +/25 pF 7.5 +/25 pF
C85	21-13740B25	10 pF	C236	21-13740B22	7.5 +/25 pF
C86 C87	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%	C237 C239	21-13740B49 21-13740B49	100 pF 100 pF
C90	21-13741B45	.01 uF	C240	21-13740B05	1.5 +/25 pF
C91	21-13740B49	100 pF	C242	21-13740B49	100 pF

0040	04 40740040	0.0 . / 05 . 5			
C243	21-13740B13	3.3 +/25 pF	Connector, rec	eptacle	
C244	21-11032B15	.22 uF +80/-20%			
C245	21-13740B45	68 pF	J4	09-80135M01	coaxial (RX)
C247	21-13740B23	8.2 +/25 pF	J5	09-80135M01	coaxial (TX)
C248	21-13740B01	1 +/25 pF	J6	09-80130M03	14-pin, RF board
C249	21-13740B49	100 pF			• •
C251	21-13740B45	68 pF	Jumpers		
C252	21-13740B49	100 pF	ошрого		
C253	21-13740B45	68 pF	JU1	06-11077A01	jumper
C255		not used	JU2	06-11077A01	jumper
-C256	21-13741B45	.01 uF			
	21-13/41043		JU3	06-11077A01	jumper
C257	00 440=440=	not used	JU51	06-11077A01	jumper
C258	08-11051A07	poly .01 uF 63V	JU52	06-11077A01	jumper
C259	21-13740B23	8.2 +/25 pF	JU201		not used
C260		not used	JU201		not used
C261	21-13741B45	.01 uF			
C262		not used	Coils		
C263	21-13740B19	5.6 +/25 pF			
C264		not used	L1	24-84562T04	4 turns airwound
C265		not used	ī.2	24-84562T04	4 turns airwound
C266	04 10740000				
	21-13740B03	1.2 +/25 pF	L3	24-84562T04	4 turns airwound
C267	21-13740B01	1 +/25 pF	L4	24-84562T04	4 turns airwound
C268	21-13740B13	3.3 +/25 pF	L5	24-84562T04	4 turns airwound
C269	21-13740B09	2.2 +/25 pF	L6	24-84562T04	4 turns airwound
C270		not used	L7	24-84562T04	4 turns airwound
C271		not used	L8	24-62587N42	chip 12 nH 5%
C272	21-13740B45	68 pF	L9	24-62587N44	chip 18 nH 5%
C273		not used	L10	24-62587N54	chip .12 uH 5%
C274	21-13740B49	100 pF	L51	24-11030B12	7-1/2 turns YEL
C275					
	21-13741B45	.01 uF	L52	24-62587N68	chip 1 uH 5%
C276	21-13741B45	.01 uF	L53	24-62587N56	chip .18 uH 5%
C277	23-11048B19	lytic 47 uF 20% 16V	L54	24-62587N76	chip 4.7 uH 5%
C278	23-11048B19	lytic 47 uF 20% 16V	L55	24-80164M02	tunable .7 uH E715
C279	21-13740B45	68 pF	L56	24-80164M01	tunable .7 uH E713
C280	21-11032B15	.22 uF +80/-20%	L57	24-80164M04	tunable .7 uH E714
C301	21-13741B45	.01 uF	L58	24-62587N76	chip 4.7 uH 5%
C302	21-13740B45	68 pF	L59	24-80164M03	tunable .7 uH E716
C303	21-13740B45	68 pF	L60	24-62587N69	chip 1.2 uH 5%
C304			L61		
	21-13740B45	68 pF		25-80000E01	tunable 455 kHz with cap
C305	21-13740B45	68 pF	L101	24-62587N56	chip .18 uH 5%
C306	21-13740B45	68 pF	L102	24-62587N47	chip 33 nH 5%
C307	21-13740B45	68 pF	L151	24-80299D01	tunable 17-3/4 turns
C308	21-13740B45	68 pF	L152	24-11087A35	chip 5.6 uH 10%
C309	21-13740B45	68 pF	L202	24-80148M02	tunable 2-1/2 turns RED
C310	21-13740B45	68 pF	L203	24-62587N55	chip .15 uH 5%
C311	21-13740B45	68 pF	L204	24-11030A04	5 turns GRN
C312	21-13740B45	68 pF	L205	24-62587N55	chip .15 uH 5%
C313	21-13740B45	68 pF	L206	24-62587N55	chip .15 uH 5%
C314	21-13740B49	100 pF	L207		
0014	21-13/40049	100 pr		24-62587N57	chip .22 uH 5%
Diadas /sss.	-4-1		L209	24-11030B05	2-1/2 turns GRN
Diodes (see n	ote)		L210	24-11030B08	4-1/2 turns BRN
			L211	24-62587N57	chip .22 uH 5%
CR2	48-80154K03	dual Schottky SOT	L213	24-80148M01	tunable 1-1/2 turns BRN
CR3	48-80939T01	Schottky SOT	L214	24-62587N55	chip .15 uH 5%
CR5	48-80142L01	silicon PIN SOT MMBV3401	L215	24-11030B08	4-1/2 turns BRN
CR51	48-05129M76	silicon SOT	L216	24-62587N55	chip .15 uH 5%
CR52	48-05129M76	silicon SOT	L217	24-62587N55	chip .15 uH 5%
CR101	48-05129M76	silicon SOT	L218	24-62587N57	chip .22 uH 5%
CR102	48-05129M76	silicon SOT	L220	24-11030B05	2-1/2 turns GRN
CR151	48-80006E10			24-11030B03	
		silicon varactor SOT	L221		4-1/2 turns BRN
CR152	48-80006E10	silicon varactor SOT	L222	24-62587N56	chip .18 uH 5%
CR153	48-84336R03	dual silicon SOT MMBD7000	L223		not used
CR203	48-84534N02	silicon varactor SOT			
CR205	48-84534N02	silicon varactor SOT	Transistors (se	e note)	
CR206	48-80154K02	dual Schottky SOT			
CR209	48-84534N02	silicon varactor SOT	Q1	48-80950X01	NPN; type M50X01
CR211	48-84534N02	silicon varactor SOT	Q2	48-05128M67	PNP; type MMBT3906
CR213	48-84534N02	silicon varactor SOT	Q3	48-05128M67	PNP; type MMBT3906
CR214	48-80939T01	Schottky SOT	Q4	48-05128M67	PNP; type MMBT3906
U: # 17	70.00303101	Collotiny CO1	Q5		
Filters				48-05128M67	PNP; type MMBT3906
i iifei 2			Q6	48-80214G02	NPN; type MMBT3904
EL 54 (A.I)	04 0000-00:	455 till= 05	Q51	48-05128M66	field effect; type MMBFU310
FL51(N)	91-80097D04	455 kHz 6F	Q52	48-05128M66	field effect; type MMBFU310
FL51(W)	91-80097D06	455 kHz 6D	Q53	48-80214G02	NPN; type MMBT3904
FL52(N)	91-80098D04	455 kHz 4F	Q101	48-05128M67	PNP; type MMBT3906
FL52(W)	91-80098D06	455 kHz 4D	Q102	48-80182D20	NPN; type M82D20/M9987
. •	_		Q103	48-80182D20	NPN; type M82D20/M9987
			Q104	48-05128M67	PNP; type MMBT3906

Q105	48-80214G02	NPN; type MMBT3904	R158	06-11077A74	1k
Q106	48-80214G02	NPN; type MMBT3904			
_			R159	06-11077A74	1k
Q107	48-11043C19	NPN; type M43C19/M9658	R161	06-11077A98	10k
Q151	48-11043C19	NPN; type M43C19/M9658	R162		not used
Q152	48-11043C06	PNP; type M43C06/M9643	R163(N)	06-11077B23	100k
Q203	48-05128M66	field effect; type MMBFU310	R163(W)	06-11077B17	56k
Q204	48-80950X01	NPN; type M50X01			
			R164	18-05500L08	variable 22k
Q205	48-80950X01	NPN; type M50X01	R165(N)	06-11077A98	10k
Q206	48-05128M66	field effect; type MMBFU310	R165(W)	06-11077B03	15k
Q207	48-80950X01	NPN; type M50X01	R176`	06-11077G26	22.6k 1%
Q208	48-80950X01	NPN; type M50X01	R177	06-11077G18	18.7k 1%
Q276	48-80214G02	NPN; type MMBT3904			
			R178	06-11077F91	10.0k 1%
Q277	48-05128M67	PNP; type MMBT3906	R179	06-11077F91	10.0k 1%
Q278	48-05128M67	PNP; type MMBT3906	R180	06-11077G52	42.2k 1%
Q279	48-05128M67	PNP; type MMBT3906	R181	06-11077F91	10.0k 1%
		•	R182	06-11077G28	23.7k 1%
Resistors, chip.	5%, 1/10 watt. ui	nless otherwise indicated.	R207	06-11077A44	56
, 100,010,0, 0, 1, p,	0 /0; // 10 Watt, a.	mood outon moo maloatou.			
D4	00 44077404	0.71.	R208	06-11077A38	33
R1	06-11077A84	2.7k	R209	06-11077A38	33
R2	06-11077A54	150	R210	06-11077A98	10k
R3	06-11077A60	270	R212	06-11077A84	2.7k
R4	06-11077B07	22k	R213	06-11077A72	820
R5	06-11077A95	7.5k			
			R214	06-11077A50	100
R6	06-11077A90	4.7k	R215	06-11077A84	2.7k
R7	06-11077A98	10k	R216	06-11077A72	820
R8	06-11077A98	10k	R217	06-11077A50	100
R9	06-11077A90	4.7k	R218	06-11077A53	130
R10	06-11077B07	22k			
R11			R219	06-11077A41	43
	06-11077B15	47k	R220	06-11077A53	130
R12	06-11077A45	62	R222	06-11077A88	3.9k
R13	06-11077A65	430	R223	06-11077A94	6.8k
R51	06-11077A44	56	R224	06-11077B23	100k
R52	06-11077A54	150	R225		
				06-11077A88	3.9k
R53	06-11077A88	3.9k	R226	06-11077A44	56
R54	06-11077A54	150	R227	06-11077A38	33
R56	06-11077B45	820k	R228	06-11077A38	33
R57	06-11077A72	820	R229	06-11077A98	10k
R58	06-11077B23	100k	R231	06-11077A84	2.7k
R59	06-11077B27	150k			
			R232	06-11077A72	820
R60	18-05500L08	variable 22k	R233	06-11077A50	100
R61(N)	06-11077B07	22k	R234	06-11077A84	2.7k
R61(W)	06-11077B19	68k	R235	06-11077A72	820
R62(N)	06-11077A26	10	R236		100
R62(W)	06-11077B09	27k		06-11077A50	
			R237	06-11077A61	300
R63	06-11077B21	82k	R238	06-11077A32	18
R102	06-11077A62	330	R239	06-11077A61	300
R103	06-11077A98	10k	R240		not used
R104	06-11077A98	10k	R243	06-11077B23	100k
R105	06-11077B11	33k			
_			R244	06-11077A74	1k
R106	06-11077A73	910	R245	06-11077A74	1k
R107	06-11077A78	1.5k	R246	06-11077B09	27k
R108	06-11077A26	10	R276	06-11077A98	10k
R109	06-11077A26	10	R277	06-11077A60	270
R110	06-11077B03	15k			
R111		150	R278	06-11077A26	10
	06-11077A54		R279	06-11077A90	4.7k
R112	06-11077A72	820	R280	06-11077A98	10k
R113	06-11077A58	220	R281	06-11077A90	4.7k
R114	06-11077A54	150	R301(N)	06-11077B03	15k
R115	06-11077A70	680	R301(W)	06-11077A82	2.2k
R116	06-11077A92	5.6k			
			R302	18-05500L08	variable 22k
R118	06-11077A70	680	R303	06-11077A94	6.8k
R119	06-11077A88	3.9k			
R120	06-11077A88	3.9k	Transformers		
R121	06-11077A84	2.7k			
R122	06-11077A88	3.9k	T4	25 001621402	halus
R123			T1	25-80163M02	balun
	06-11077A74	1k	T2	25-80163M02	balun
R124	06-11077A78	1.5k			
R125	06-11077A44	56	Integrated circu	its and modules	(see note)
R126	06-11077A50	100	•		•
R127	06-11077A84	2.7k	U1	48-80174R01	quad Schottky ring SOIC
R128		820			
	06-11077A72		U51	51-05479G05	receiver system
R151	06-11077B15	47k	U101	51-84704M75	synthesizer
R152	06-11077B11	33k	U102	51-83977M45	prescaler
R153	06-11077B15	47k	U176	51-80932W01	dual op-amp
R154	06-11077A34	22	- -		, ·····
R155	06-11077A98	10k	Voltage regulat	ore (eee note)	
		15k	vonage regulat	019 (300 11018)	
HISE					
R156	06-11077B03		VD470	40.0000004	
R156 R157	06-11077B03 06-11077A78	1.5k	VR176	48-82256C11	zener diode 10V 5%

Y51(N) 91-80022M03 filter 45.1 MHz 12.5 kHz
Y51(W) 91-80022M02 filter 45.1 MHz 25 kHz
Y52 48-80008K02 44.645 MHz
Y151 48-80174D05 14.4 MHz

Non-referenced items

26-80097M01 shield coil can (for L151)
26-80028L01 shield coil can (17 used)
26-80229L03 shield can (for J4)
26-80229L03 shield VCO frame
26-80256L02 shield image
26-80256L02 ground clip
75-05295B02 insulator (for Y151)
75-05295B07 insulator (3 used, for Y51A/B, Y52)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

12/14/92

PL-921021-O

	Board, 438-470 M Board, 438-470 M		C101 C102	23-11048B13 08-11051A13	lytic 10 uF 20% 16 poly .1 uF 63V
REFERENCE	MOTODOLA	DESCRIPTION	. C103	21-11032B15	.22 uF +80/-20%
NUMBER	MOTOROLA PART NO.	DESCRIPTION	C104 C105	21-13741B45	.01 uF
HOMBEN	FANT NO.		. C105	23-11048B13 21-13740B29	lytic 10 uF 20% 16 15 pF
Capacitor, chip	. 5%. 50V unless	otherwise indicated.	C107	21-13741B69	.1 uF
оченини, стр	, 6,0,000 a		C108	21-13741B69	.1 uF
C1	21-13740G21	5.6 +/1 pF	C109	08-11051A13	poly .1 uF 63V
C2	21-13740G18	4.3 +/1 pF	C110	08-11051A19	poly 1 uF 63V
C3	21-13740G18	4.3 +/1 pF	C111	08-11051A09	poly .022 uF 63V
C4	21-13740G33	15 pF 2%	C112	08-11051A01	poly .001 uF 63V
C5 Ce	21-13740G18	4.3 +/1 pF	C113	21-13741B45	.01 uF
C6 C7	21-13740G15 21-13740G28	3.3 +/1 pF	C114	21-13740B45	68 pF
C8	21-13740G28 21-13740G17	9.1 +/1 pF 3.9 +/1 pF	C115 C116	21-13741B45 21-13740B49	.01 uF 100 pF
C9	21-13740G17	3.9 +/1 pF	C117	21-13741B69	.1 uF
C10	21-13740G24	6.8 +/1 pF	C118	21-13740B45	68 pF
C11	21-13740G29	10 pF 2%	C119	21-13740B45	68 pF
C12	21-13740B45	68 pF	C120	21-13740B45	68 pF
C13	21-13740G31	12 pF 2%	C121	21-13740B19	5.6 +/25 pF
C14	21-13740G29	10 pF 2%	C122	21-13740B49	100 pF
C15	21-13740G18	4.3 +/1 pF	C123	21-13740B45	68 pF
C16	21-13740G15	3.3 +/1 pF	C124	21-13740B25	10 pF
C17	21-13740G31	12 pF 2%	C125	21-13740B73	1000 pF
C18	21-13740G16	3.6 +/1 pF	C126		not used
C19	21-13740G16	3.6 +/1 pF	C127	21-11032B15	.22 uF +80/-20%
C20	21-13740G35	18 pF 2%	C128	21-11032B15	.22 uF +80/-20%
C21	21-13740G16	3.6 +/1 pF	C129	21-11032B15	.22 uF +80/-20%
C22	21-13740G16	3.6 +/1 pF	C130	21-11032B15	.22 uF +80/-20%
C23	21-13740G33	15 pF 2%	C131	21-11032B15	.22 uF +80/-20%
C24	21-13740G15	3.3 +/1 pF	C132	21-11032B15	.22 uF +80/-20%
C25 C26	21-13740G19	4.7 +/1 pF	C133	21-13740B45	68 pF
C26 C27	21-13740G31	12 pF 2%	C151	21-13740B73	1000 pF
C28	21-11032B15 21-13740B45	.22 uF +80/-20%	C152 C153	21-13740B47	82 pF
C29	21-13/40043	68 pF not used	C153	21-13740B25 21-13741B45	10 pF .01 uF
C30	21-13740B34	24 pF	C154	21-13740B55	180 pF
C33	21-107-1000-1	not used	C156	21-13740B55	180 pF
C51	21-13740B55	180 pF	C157	21-107-40000	not used
C52	21-13740B27	12 pF	C157	08-11051A15	poly .22 uF 63V
C53	21-13740B47	82 pF	C159	21-13740B35	27 pF
C54	21-13740B61	330 pF	C160	21-13740B29	15 pF
C55	21-13741B45	.01 uF	C161	21-13740B73	1000 pF
C56	21-13741B45	.01 uF	C162	23-11048B13	lytic 10 uF 20% 10
C57(N)	21-13740B29	15 pF	C163	08-11051A17	poly .47 uF 63V
C57(W)	21-13740B31	18 pF	C164		not used
C58(N)	21-13740B25	10 pF	C165	21-13741B33	.0033 uF
C58(W)	21-13740B27	12 pF	C176	21-13740B73	1000 pF
C59(N)	21-13740B29	15 pF	C201	23-11048B13	lytic 10 uF 20% 10
C59(W)	21-13740B31	18 pF	C205	21-13740B45	68 pF
C60	21-13741B45	.01 uF	C206	21-13740B11	2.7 +/25 pF
C61	21-13741B45	.01 uF	C207	21-13740B21	6.8 +/25 pF
C65	21-11032B15	.22 uF +80/-20%	C208	21-13740B14	3.6 +/25 pF
C66	21-13741B45	.01 uF	C209	21-13740B09	2.2 +/25 pF
C67	23-13749C39	tantalum 10 uF 10% 20V	C210	21-13740B49	100 pF
C68 C69	21-13740B29	15 pF	C212	21-13740B49	100 pF
269 270	21-13740B39	39 pF	C213	21-13740B01	1 +/25 pF
C71	21-13740B29 21-11032B15	15 pF .22 uF +80/-20%	C214 C215	21-13740B13 21-13740B49	3.3 +/25 pF
C72	21-11032B15	.22 uF +80/-20%	C216	21-13740B09	100 pF 2.2 +/25 pF
C73	23-13749C39	tantalum 10 uF 10% 20V	C218	21-13740B49	100 pF
C74	23-11048B13	lytic 10 uF 20% 16V	C220	21-13740B23	8.2 +/25 pF
	21-13741B69	.1 uF	C221	21-13740B13	3.3 +/25 pF
276	23-11048B05	lytic 1 uF 20% 50V	C222	21-13740B49	100 pF
277	21-11032B15	.22 uF +80/-20%	C224	21-13740B49	100 pF
C78	21-11032B15	.22 uF +80/-20%	C225	21-13740B49	100 pF
C79	21-13741B29	.0022 uF	C228	21-13741B29	.0022 uF
C80	21-11032B15	.22 uF +80/-20%	C230	21-13740B01	1 +/25 pF
C81	21-13740B55	180 pF	C231	21-13740B01	1 +/25 pF
C82	21-11032B15	.22 uF +80/-20%	C233	21-13740B17	4.7 +/25 pF
C83	21-11032B15	.22 uF +80/-20%	C234	21-13740B21	6.8 +/25 pF
C84	21-13740B09	2.2 +/25 pF	C235	21-13740B17	4.7 +/25 pF
C85	21-13740B25	10 pF	C236	21-13740B15	3.9 +/25 pF
C86		not used	C237	21-13740B45	68 pF
C87	21-11032B15	.22 uF +80/-20%	C239	21-13740B45	68 pF
C90 C91	21-11032B15 21-13740B49	.22 uF +80/-20% 100 pF	C240 C242	21-13740B01 21-13740B45	1 +/25 pF 68 pF

C243	21-13740B09	2.2 +/25 pF	Connector, re-	ceptacle	
C244 C245	21-11032B15	.22 uF +80/-20%			
C245 C247	21-13740B45	68 pF	J <u>4</u>	09-80135M01	coaxial (RX)
C248	21-13740B32 21-13740B19	20 pF 5.6 +/25 pF	J5	09-80135M01	coaxial (TX)
C249	21-13740B45	68 pF	J6	09-80130M03	14-pin, RF board
C251	21-13740B45	68 pF	Jumpers		
C252	21-13740B45	68 pF	oumpers		
C253	21-13740B45	68 pF	JU1	06-11077A01	jumper
C255		not used	JU2	00 11011101	not used
C256	21-13741B45	.01 uF	JU3		not used
C257	21-13741B45	.01 uF	JU51		not used
C258 C259	08-11051A07	poly .01 uF 63V	JU52		not used
C259 C260	21-13740B22	7.5 +/25 pF	JU201		not used
C261	21-13741B45	not used .01 uF	JU202		not used
C262	21-10/410-0	not used	Coils		
C263	21-13740B19	5.6 +/25 pF	Colls		
C264		not used	L1	24-84562T04	4 turns airwound
C265		not used	Ī2	24-84562T04	4 turns airwound
C266	21-13740B03	1.2 +/25 pF	L3	24-84562T04	4 turns airwound
C267	21-13740B01	1 +/25 pF	L4	24-84562T04	4 turns airwound
C268	21-13740B09	2.2 +/25 pF	L5	24-84562T04	4 turns airwound
C269	21-13740B09	2.2 +/25 pF	L6	24-84562T04	4 turns airwound
C270		not used	L7	24-84562T04	4 turns airwound
C271 C272	21 12740D45	not used	L8	24-11030B04	1-1/2 turns YEL
C273	21-13740B45 21-13740B49	68 pF	L9	24-11030B04	1-1/2 turns YEL
C274	21-13740B49	100 pF 100 pF	L10 L51	24-62587N54 24-11030B12	chip .12 uH 5% 7-1/2 turns YEL
C275	21 101 102 10	not used	L52	24-62587N68	chip 1 uH 5%
C276	21-13741B45	.01 uF	L53	24-62587N56	chip .18 uH 5%
C277	23-11048B19	lytic 47 uF 20% 16V	L54	24-62587N76	chip 4.7 uH 5%
C278	23-11048B19	lytic 47 uF 20% 16V	L55	24-80164M02	tunable .7 uH E715
C279	21-13740B45	68 pF	L56	24-80164M01	tunable .7 uH E713
C280	21-11032B15	.22 uF +80/-20%	L57	24-80164M04	tunable .7 uH E714
C301	21-13741B45	.01 uF	L58	24-62587N76	chip 4.7 uH 5%
C302	21-13740B45	68 pF	L59	24-80164M03	tunable .7 uH E716
C303 C304	21-13740B45 21-13740B45	68 pF	L60	24-62587N69	chip 1.2 uH 5%
C305	21-13740B45	68 pF 68 pF	L61 L101	25-80000E01 24-62587N56	tunable 455 kHz with cap
C306	21-13740B45	68 pF	L102	24-62587N47	chip .18 uH 5% chip 33 nH 5%
C307	21-13740B45	68 pF	L151	24-80299D01	tunable 17-3/4 turns
C308	21-13740B45	68 pF	L152	24-11087A35	chip 5.6 uH 10%
C309	21-13740B45	68 pF	L202	24-80148M02	tunable 2-1/2 turns RED
C310	21-13740B45	68 pF	L203	24-62587N55	chip .15 uH 5%
C311	21-13740B45	68 p <u>F</u>	L204	24-11030B07	3-1/2 turns WHT
C312	21-13740B45	68 pF	L205	24-62587N55	chip .15 uH 5%
C313	21-13740B45	68 pF	L206	24-62587N55	chip .15 uH 5%
C314	21-13740B49	100 pF	L207	24-62587N57	chip .22 uH 5%
			L209	24-11030B05	2-1/2 turns GRN
Diodes (see no	nte)		L210 L211	24-11030B08	4-1/2 turns BRN
Diodes (see in	ote)		L213	24-62587N57 24-80148M01	chip .22 uH 5% tunable 1-1/2 turns BRN
CR2	48-80154K03	dual Schottky SOT	L214	24-62587N54	chip .12 uH 5%
CR3	48-80939T01	Schottky SOT	L215	24-11030B08	4-1/2 turns BRN
CR5	48-80142L01	silicon PIN SOT MMBV3401	L216	24-62587N54	chip .12 uH 5%
CR51	48-05129M76	silicon SOT	L217	24-62587N54	chip .12 uH 5%
CR52	48-05129M76	silicon SOT	L218	24-62587N56	chip .18 uH 5%
CR101	48-05129M76	silicon SOT	L220	24-11030B05	2-1/2 turns GRN
CR102 CR151	48-05129M76	silicon SOT	L221	24-11030B08	4-1/2 turns BRN
CR152	48-80006E10 48-80006E10	silicon varactor SOT silicon varactor SOT	L222	24-62587N56	chip .18 uH 5%
CR153	48-84336R03	dual silicon SOT MMBD7000	L223		not used
CR203	48-84534N02	silicon varactor SOT	Transistors (se	e notel	
CR205	48-84534N02	silicon varactor SOT	Transisions (se	e note)	
CR206	48-80154K02	dual Schottky SOT	Q1	48-80950X01	NPN; type M50X01
CR209	48-84534N02	silicon varactor SOT	Q2	48-05128M67	PNP; type MMBT3906
CR211	48-84534N02	silicon varactor SOT	Q3	48-05128M67	PNP; type MMBT3906
CR213	48-84534N02	silicon varactor SOT	Q4	48-05128M67	PNP; type MMBT3906
CR214	48-80939T01	Schottky SOT	Q5	48-05128M67	PNP; type MMBT3906
Eiles			Q6	48-80214G02	NPN; type MMBT3904
Filters			Q51	48-05128M66	field effect; type MMBFU310
FL51(N)	91-80097D04	455 LU- 65	Q52	48-05128M66	field effect; type MMBFU310
FL51(W)	91-80097D04 91-80097D06	455 kHz 6F 455 kHz 6D	Q53	48-80214G02	NPN; type MMBT3904
FL52(N)	91-80098D04	455 kHz 4F	Q101 Q102	48-05128M67 48-80182D20	PNP; type MMBT3906
FL52(W)	91-80098D06	455 kHz 4D	Q102 Q103	48-80182D20	NPN; type M82D20/M9987 NPN; type M82D20/M9987
. ,			Q104	48-05128M67	PNP; type MMBT3906
					, .,,,,,

Q105	48-80214G02	NPN; type MMBT3904	R158	06-11077A74	1k
Q106	48-80214G02	NPN; type MMBT3904	R159	06-11077A74	1k
Q107	48-11043C19	NPN; type M43C19/M9658	R161	06-11077A98	10k
Q151	48-11043C19	NPN; type M43C19/M9658	R162	00 110///200	not used
Q152	48-11043C06	PNP; type M43C06/M9643	R163(N)	06-11077B23	100k
Q203	48-05128M66	field effect; type MMBFU310	R163(W)	06-11077B17	56k
Q204	48-80950X01	NPN; type M50X01	R164	18-05500L08	variable 22k
Q205	48-80950X01	NPN; type M50X01	R165(N)	06-11077A98	10k
Q206	48-05128M66	field effect; type MMBFU310	R165(W)	06-11077B03	15k
Q207	48-80950X01	NPN; type M50X01	R176		
Q208	48-80950X01	NPN; type M50X01	R177	06-11077G26	22.6k 1%
Q276	48-80214G02	NPN; type MMBT3904		06-11077G18	18.7k 1%
Q277	48-05128M67	PNP; type MMBT3906	R178	06-11077F91	10.0k 1%
Q278	48-05128M67	PNP; type MMBT3906	R179	06-11077F91	10.0k 1%
Q279	48-05128M67		R180	06-11077G52	42.2k 1%
GE/ 3	40-03120W07	PNP; type MMBT3906	R181	06-11077F91	10.0k 1%
Resistors chin	5% 1/10 watt iii	nless otherwise indicated.	R182	06-11077G28	23.7k 1%
ricolotors, omp,	570, 1710 Watt, u	mess officiwise mulcated.	R207	06-11077A44	56
R1	06-11077A84	2.7k	R208	06-11077A44	56
R2			R209	06-11077A34	22
R3	06-11077A54	150	R210	06-11077A98	10k
R4	06-11077A60	270	R212	06-11077A84	2.7k
R5	06-11077B01	12k	R213	06-11077A72	820
	06-11077B03	15k	R214	06-11077A50	100
R6	06-11077A90	4.7k	R215	06-11077A84	2.7k
R7	06-11077A98	10k	R216	06-11077A72	820
R8	06-11077A98	10k	R217	06-11077A66	470
R9	06-11077A90	4.7k	R218	06-11077A66	470
R10	06-11077B07	22k	R219	06-11077A28	12
R11	06-11077B15	47k	R220	06-11077A66	470
R12	06-11077A45	62	R222	06-11077A88	3.9k
R13	06-11077A65	430	R223	06-11077A94	6.8k
R51	06-11077A44	56	R224	06-11077B23	100k
R52	06-11077A54	150	R225	06-11077A90	4.7k
R53	06-11077A88	3.9k	R226	06-11077A44	56
R54	06-11077A54	150	R227	06-11077A34	22
R56	06-11077B45	820k	R228	06-11077A38	33
R57	06-11077A72	820	R229	06-11077A98	10k
R58	06-11077B23	100k	R231	06-11077A84	2.7k
R59	06-11077B27	150k	R232	06-11077A72	820
R60	18-05500L08	variable 22k	R233		
R61(N)	06-11077B07	22k	R234	06-11077A46	68
R61(W)	06-11077B19	68k		06-11077A84	2.7k
R62(N)	06-11077A26	10	R235	06-11077A72	820
R62(W)	06-11077B09	27k	R236	06-11077A46	68
R63	06-11077B03	82k	R237	06-11077A58	220
R102	06-11077A62	330	R238	06-11077A34	22
R103			R239	06-11077A58	220
R104	06-11077A98	10k	R240		not used
	06-11077A98	10k	R243	06-11077B23	100k
R105	06-11077B11	33k	R244	06-11077A74	1k
R106	06-11077A73	910	R245	06-11077A74	1k
R107	06-11077A78	1.5k	R246	06-11077B09	27k
R108	06-11077A26	10	R276	06-11077A98	10k
R109	06-11077A26	10	R277	06-11077A60	270
R110	06-11077B03	15k	R278	06-11077A26	10
R111	06-11077A54	150	R279	06-11077A90	4.7k
R112	06-11077A72	820	R280	06-11077A98	10k
R113	06-11077A58	220	R281	06-11077A90	4.7k
R114	06-11077A54	150	R301(N)	06-11077B03	15k
R115	06-11077A70	680	R301(W)	06-11077A82	2.2k
R116	06-11077A92	5.6k	R302	18-05500L08	variable 22k
R118	06-11077A70	680	R303	06-11077A94	6.8k
R119	06-11077A88	3.9k		00	0.01
R120	06-11077A88	3.9k	Transformers		
R121	06-11077A84	2.7k	114110101111010		
R122	06-11077A88	3.9k	T1	25-80163M02	balun
R123	06-11077A74	1k	T2	25-80163M02	balun
R124	06-11077A78	1.5k	• ••	-0 00 100 WIUZ	Daluii
R125	06-11077A44	56	Integrated circu	its and modules	(see note)
R126	06-11077A50	100	intograted circu	and modules	(see note)
R127	06-11077A84	2.7k	U1	49-90174004	auad Schattler des COIO
R128	06-11077A72	820	U51	48-80174R01	quad Schottky ring SOIC
R151	06-11077B15	47k		51-05479G05	receiver system
R152	06-11077B13	33k	U101	51-84704M75	synthesizer
R153	06-11077B15	47k	U102	51-83977M45	prescaler
R154			U176	51-80932W01	dual op-amp
R155	06-11077A34	22 10k	Valtana ====1 1	(
R156	06-11077A98	10k	Voltage regulate	ors (see note)	
	06-11077B03	15k	VD476	40 000=0044	
R157	06-11077A78	1.5k	VR176	48-82256C11	zener diode 10V 5%

Y51(N) 91-80022M03 filter 45.1 MHz 12.5 kHz Y51(W) 91-80022M02 filter 45.1 MHz 25 kHz Y52 48-80008K02 44.645 MHz Y151 48-80174D05 14.4 MHz

Non-referenced items

26-80097M01 shield coil can (for L151)
26-80098M01 shield coil can (17 used)
26-80228L01 shield can (for J4)
26-80256L02 shield image
42-80957X01 ground clip
75-05295B02 insulator (for Y151)
75-05295B07 insulator (3 used, for Y51A/B, Y52)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

12/14/92

PL-921025-O

HLE8264A RF E HLE8263A RF E	30ard, 465-495 M 30ard, 465-495 M	Hz, 12.5 kHz (N) Hz, 25 kHz (W)	C101 C102	23-11048B13 08-11051A13	lytic 10 uF 20% 16V poly .1 uF 63V
REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION	C103 C104 C105	21-11032B15 21-13741B45 23-11048B13	.22 uF +80/-20% .01 uF lytic 10 uF 20% 16V
		otherwise indicated.	— C106 C107	21-13740B29 21-13741B69	15 pF .1 uF
C1	21-13740G15	3.3 +/1 pF	C108 C109	21-13741B69 08-11051A13	.1 uF poly .1 uF 63V
C2 C3	21-13740G17	3.9 +/1 pF	C110	08-11051A19	poly 1 uF 63V
C3 C4	21-13740G19 21-13740G29	4.7 +/1 pF 10 pF 2%	C111 C112	08-11051A09 08-11051A01	poly .022 uF 63V poly .001 uF 63V
C5	21-13740G14	3.0 +/1 pF	C113	21-13741B45	.01 uF
C6 C7	21-13740G18 21-13740G29	4.3 +/1 pF 10 pF 2%	C114 C115	21-13740B45 21-13741B45	68 pF .01 uF
C8	21-13740G13	2.7 +/1 pF	C116	21-13740B49	100 pF
C9 C10	21-13740G16	3.6 +/1 pF	C117 C118	21-13741B69	.1 uF
C10	21-13740G29 21-13740G31	10 pF 2% 12 pF 2%	C119	21-13740B45 21-13740B45	68 pF 68 pF
C12	21-13740B45	68 pF	C120	21-13740B45	68 pF
C13 C14	21-13740G20 21-13740G19	5.1 +/1 pF 4.7 +/1 pF	C121 C122	21-13740B19 21-13740B49	5.6 +/25 pF 100 pF
C15	21-13740G14	3.0 +/1 pF	C123	21-13740B45	68 pF
C16 C17	21-13740G15 21-13740G31	3.3 +/1 pF	C124 C125	21-13740B25	10 pF
C18	21-13740G31 21-13740G14	12 pF 2% 3.0 +/1 pF	C125 C126	21-13740B73	1000 pF not used
C19	21-13740G15	3.3 +/1 pF	C127	21-11032B15	.22 uF +80/-20%
C20 C21	21-13740G33 21-13740G15	15 pF 2% 3.3 +/1 pF	C128 C129	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%
C22	21-13740G15	3.3 +/1 pF	C130	21-11032B15	.22 uF +80/-20%
C23 C24	21-13740G31	12 pF 2%	C131	21-11032B15	.22 uF +80/-20%
C24 C25	21-13740G17 21-13740G15	3.9 +/1 pF 3.3 +/1 pF	C132 C133	21-11032B15 21-13740B49	.22 uF +80/-20% 100 pF
C26	21-13740G28	9.1 +/1 pF	C151	21-13740B73	1000 pF
C27 C28	21-11032B15	.22 uF +80/-20%	C152	21-13740B47	82 pF
C29	21-13740B45 21-13740B45	68 pF 68 pF	C153 C154	21-13740B25 21-13741B45	10 pF .01 uF
C30	21-11032B15	.22 uF +80/-20%	C155	21-13740B55	180 pF
C33 C51	21-13740B55	not used 180 pF	C156 C157	21-13740B55	180 pF not used
C52	21-13740B27	12 pF	C158	08-11051A15	poly .22 uF 63V
C53	21-13740B47	82 pF	C159	21-13740B35	27 pF
C54 C55	21-13740B61 21-13741B45	330 pF .01 uF	C160 C161	21-13740B29 21-13740B73	15 pF 1000 pF
C56	21-13741B45	.01 uF	C162	23-11048B13	lytic 10 uF 20% 16V
C57(N) C57(W)	21-13740B29 21-13740B31	15 pF 18 pF	C163 C164	08-11051A17	poly .47 uF 63V not used
C58(N)	21-13740B25	10 pF	C165	21-13741B33	.0033 uF
C58(W)	21-13740B27	12 pF	C176	21-13740B73	1000 pF
C59(N) C59(W)	21-13740B29 21-13740B31	15 pF 18 pF	C201 C205	23-11048B13 21-13740B45	lytic 10 uF 20% 16V 68 pF
C60	21-13741B45	.01 uF	C206	21-13740B19	5.6 +/25 pF
C61 C65	21-13741B45 21-11032B15	.01 uF .22 uF +80/-20%	C207 C208	21-13740B23	8.2 +/25 pF
C66	21-13741B45	.01 uF	C208 C209	21-13740B19 21-13740B19	5.6 +/25 pF 5.6 +/25 pF
C67	23-13749C39	tantalum_10 uF 10% 20V	C210	21-13740B49	100 pF
C68 C69	21-13740B33 21-13740B39	22 pF 39 pF	C212 C213	21-13740B49 21-13740B01	100 pF 1 +/25 pF
C70	21-13740B29	15 pF	C214	21-107-40001	not used
C71 C72	21-11032B15	.22 uF +80/-20%	C215	21-13740B49	100 pF
C73	21-11032B15 23-13749C39	.22 uF +80/-20% tantalum 10 uF 10% 20V	C216 C218	21-13740B13 21-13740B49	3.3 +/25 pF 100 pF
C74	23-11048B13	lytic 10 uF 20% 16V	C220	21-13740B17	4.7 +/25 pF
C75 C76	21-13741B69 23-11048B05	.1 uF lytic 1 uF 20% 50V	C221 C222	21-13740B05 21-13740B49	1.5 +/25 pF 100 pF
C77	21-11032B15	.22 uF +80/-20%	C224	21-13740B49	100 pF
C78	21-11032B15	.22 uF +80/-20%	C225	21-13740B49	100 pF
C79 C80	21-13741B29 21-11032B15	.0022 uF .22 uF +80/-20%	C228 C230	21-13741B29 21-13740B01	.0022 uF 1 +/25 pF
C81	21-13740B55	180 pF	C231	21-13740B01	1 +/25 pF
C82 C83	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%	C233 C234	21-13740B11 21-13740B21	2.7 +/25 pF
C84	21-11032B15 21-13740B09	2.2 +/25 pF	C234 C235	21-13740B13	6.8 +/25 pF 3.3 +/25 pF
C85	21-13740B27	12 pF	C236	21-13740B18	5.1 +/25 pF
C86 C87	21-11032B15	not used .22 uF +80/-20%	C237 C239	21-13740B45 21-13740B45	68 pF 68 pF
C90	21-11032B15	.22 uF +80/-20%	C240	21-13740B01	1 +/25 pF
C91	21-13740B49	100 pF	C242	21-13740B45	68 pF

C243	21-13740B09	2.2 +/25 pF	Connector, rece	entacle	
C244	21-11032B15	.22 uF +80/-20%	Comilector, rece	spiacie	
C245	21-13740B45	68 pF	J4	09-80135M01	coaxial (RX)
C247	21-13740B27	12 pF	J5	09-80135M01	coaxial (TX)
C248	21-13740B17	4.7 +/25 pF	J6	09-80130M03	14-pin, RF board
C249	21-13740B45	68 pF			
C251	21-13740B45	68 pF	Jumpers		
C252	21-13740B45	68 pF	11.14		
C253	21-13740B45	68 pF	JU1		not used
C255 C256	01 10741045	not used .01 uF	JU2		not used
C257	21-13741B45 21-13741B45	.01 uF	JU3 JU51		not used not used
C258	08-11051A07	poly .01 uF 63V	JU52		not used
C259	21-13740B22	7.5 +/25 pF	JU201	06-11077A01	jumper
C260	,	not used	JU202	06-11077A01	jumper
C261	21-13741B45	.01 uF	00-0-		Jap.s.
C262		not used	Coils		
C263		not used			
C264		not used	L1	24-84562T04	4 turns airwound
C265		not used	L2	24-84562T04	4 turns airwound
C266	21-13740B03	1.2 +/25 pF	L3	24-84562T04	4 turns airwound
C267	21-13740B01	1 +/25 pF	L4	24-84562T04	4 turns airwound
C268	21-13740B13	3.3 +/25 pF	L5	24-84562T04	4 turns airwound
C269	21-13740B09	2.2 +/25 pF	L6 L7	24-84562T04	4 turns airwound 4 turns airwound
C270	04 40740845	not used	L7 L8	24-84562T04	1-1/2 turns YEL
C271 C272	21-13740B45	68 pF 68 pF	L9	24-11030B04 24-11030B04	1-1/2 turns YEL
C273	21-13740B45 21-13740B49	100 pF	L10	24-62587N53	chip .1 uH 5%
C274	21-13740B49	100 pF	L51	24-11030B12	7-1/2 turns YEL
C275	21-13/40049	not used	L52	24-62587N68	chip 1 uH 5%
C276	21-13741B45	.01 uF	L53	24-62587N56	chip .18 uH 5%
C277	23-11048B19	lytic 47 uF 20% 16V	L54	24-62587N76	chip 4.7 uH 5%
C278	23-11048B19	lytic 47 uF 20% 16V	L55	24-80164M02	tunable .7 uH E715
C279	21-13740B45	68 pF	L56	24-80164M01	tunable .7 uH E713
C280	21-11032B15	.22 uF +80/-20%	L57	24-80164M04	tunable .7 uH E714
C301	21-13741B45	.01 uF	L58	24-62587N76	chip 4.7 uH 5%
C302	21-13740B45	68 pF	L59	24-80164M03	tunable .7 uH E716
C303	21-13740B45	68 pF	L60	24-62587N69	chip 1.2 uH 5%
C304	21-13740B45	68 pF	L61	25-80000E01	tunable 455 kHz with cap
C305	21-13740B45	68 pF	L101	24-62587N56	chip .18 uH 5%
C306	21-13740B45	68 pF	L102	24-62587N47	chip 33 nH 5%
C307	21-13740B45	68 pF	L151	24-80299D01	tunable 17-3/4 turns
C308	21-13740B45	68 pF	L152	24-11087A35	chip 5.6 uH 10%
C309	21-13740B45	68 pF	L202	24-80148M01	tunable 1-1/2 turns BRN
C310	21-13740B45	68 pF	L203	24-62587N55	chip .15 uH 5%
C311	21-13740B45	68 pF	L204 L205	24-11030B09	4-1/2 turns BRN
C312	21-13740B45	68 pF	L206	24-62587N55 24-62587N55	chip .15 uH 5% chip .15 uH 5%
C313 C314	21-13740B45	68 pF not used	L207	24-62587N57	chip .13 uH 5%
0314		not used	L209	24-11030B05	2-1/2 turns GRN
Diodes (see no	te)		L210	24-11030B08	4-1/2 turns BRN
Diodes (see no	10)		L211	24-62587N57	chip .22 uH 5%
CR2	48-80154K03	dual Schottky SOT	L213	24-80148M01	tunable 1-1/2 turns BRN
CR3	48-80939T01	Schottky SQT	L214	24-62587N61	chip .47 uH 5%
CR5	48-80142L01	silicon PIN SOT MMBV3401	L215	24-11030B06	2-1/2 turns BLU
CR51	48-05129M76	silicon SOT	L216	24-62587N54	chip .12 uH 5%
CR52	48-05129M76	silicon SOT	L217	24-62587N54	chip .12 uH 5%
CR101	48-05129M76	silicon SOT	L218	24-62587N56	chip .18 uH 5%
CR102	48-05129M76	silicon SOT	L220	24-11030B05	2-1/2 turns GRN
CR151	48-80006E10	silicon varactor SOT	L221	24-11030B01	1-1/2 turns BRN
CR152	48-80006E10	silicon varactor SOT	L222	24-62587N56	chip .18 uH 5%
CR153	48-84336R03	dual silicon SOT MMBD7000	L223		not used
CR203	48-84534N02	silicon varactor SOT			
CR205	48-84534N02	silicon varactor SOT	Transistors (se	e note)	
CR206	48-80154K02	dual Schottky SOT	04	40 000E0V04	NDN: time MEOVO1
CR209	48-84534N02	silicon varactor SOT	Q1 O2	48-80950X01	NPN; type M50X01
CR211 CR213	48-84534N02	silicon varactor SOT	Q2 Q3	48-05128M67 48-05128M67	PNP; type MMBT3906
CR213 CR214	48-84534N02	silicon varactor SOT	Q3 Q4	48-05128M67	PNP; type MMBT3906 PNP; type MMBT3906
UN2 14	48-80939T01	Schottky SOT	Q4 Q5	48-05128M67	PNP; type MMBT3906
Filters			Q6	48-80214G02	NPN; type MMBT3904
			Q51	48-05128M66	field effect; type MMBFU310
FL51(N)	91-80097D04	455 kHz 6F	Q52	48-05128M66	field effect; type MMBFU310
FL51(W)	91-80097D06	455 kHz 6D	Q53	48-80214G02	NPN; type MMBT3904
FL52(N)	91-80098D04	455 kHz 4F	Q101	48-05128M67	PNP; type MMBT3906
FL52(W)	91-80098D06	455 kHz 4D	Q102	48-80182D20	NPN; type M82D20/M9987
` '			Q103	48-80182D20	NPN; type M82D20/M9987
			Q104	48-05128M67	PNP; type MMBT3906

Q105	48-80214G02	NPN; type MMBT3904	R158	06-11077A74	1k
Q106	48-80214G02	NPN; type MMBT3904	R159	06-11077A74	1k
Q107	48-11043C19	NPN; type M43C19/M9658			
_	_		R161	06-11077A98	10k
Q151	48-11043C19	NPN; type M43C19/M9658	R162		not used
Q152	48-11043C06	PNP; type M43C06/M9643	R163(N)	06-11077B23	100k
Q203	48-05128M66	field effect; type MMBFU310	R163(W)	06-11077B17	56k
Q204	48-80950X01	NPN; type M50X01	R164` ´	18-05500L08	variable 22k
Q205	48-80950X01	NPN; type M50X01	R165(N)	06-11077A98	10k
Q206	48-05128M66	field effect; type MMBFU310	1 . 1		
			R165(W)	06-11077B03	15k
Q207	48-80950X01	NPN; type M50X01	R176	06-11077G26	22.6k 1%
Q208	48-80950X01	NPN; type M50X01	R177	06-11077G18	18.7k 1%
Q276	48-80214G02	NPN; type MMBT3904	R178	06-11077F91	10.0k 1%
Q277	48-05128M67	PNP; type MMBT3906	R179	06-11077F91	10.0k 1%
Q278	48-05128M67	PNP; type MMBT3906	R180	06-11077G52	42.2k 1%
Q279	48-05128M67				
GZ/9	40-03 (2010)	PNP; type MMBT3906	R181	06-11077F91	10.0k 1%
			R182	06-11077G28	23.7k 1%
Hesistors, chip,	. 5%, 1/10 waπ, u	nless otherwise indicated.	R207	06-11077A44	56
			R208	06-11077A44	56
R1	06-11077A84	2.7k	R209	06-11077A34	22
R2	06-11077A54	150	R210		
R3				06-11077A98	10k
	06-11077A60	270	R212	06-11077A84	2.7k
R4	06-11077B01	12k	R213	06-11077A72	820
R5	06-11077B03	15k	R214	06-11077A54	150
R6	06-11077A90	4.7k	R215	06-11077A84	2.7k
R7	06-11077A98	10k	R216	06-11077A72	820
R8	06-11077A98	10k			
			R217	06-11077A64	390
R9	06-11077A90	4.7k	R218	06-11077A65	430
R10	06-11077B07	22k	R219	06-11077A34	22
R11	06-11077B15	47k	R220	06-11077A65	430
R12	06-11077A45	62	R222	06-11077A88	3.9k
R13	06-11077A65	430			
			R223	06-11077A94	6.8k
R51	06-11077A44	56	R224	06-11077B23	100k
R52	06-11077A54	150	R225	06-11077A90	4.7k
R53	06-11077A88	3.9k	R226	06-11077A44	56
R54	06-11077A54	150	R227	06-11077A34	22
R56	06-11077B45	820k	R228		33
R57		820		06-11077A38	
	06-11077A72		R229	06-11077A98	10k
R58	06-11077B23	100k	R231	06-11077A84	2.7k
R59	06-11077B27	150k	R232	06-11077A72	820
R60	18-05500L08	variable 22k	R233	06-11077A44	56
R61(N)	06-11077B07	22k	R234	06-11077A84	2.7k
R61(W)	06-11077B19	68k			
			R235	06-11077A72	820
R62(N)	06-11077A26	10	R236	06-11077A44	56
R62(W)	06-11077B09	27k	R237	06-11077A66	470
R63	06-11077B21	82k	R238	06-11077A28	12
R102	06-11077A62	330	R239	06-11077A66	470
R103	06-11077A98	10k	R240	00 110///00	_
R104				00.440==000	not used
	06-11077A98	10k	R243	06-11077B23	100k
R105	06-11077B11	33k	R244	06-11077A74	1k
R106	06-11077A73	910	R245	06-11077A74	1k
R107	06-11077A78	1.5k	R246	06-11077B09	27k
R108	06-11077A26	10	R276	06-11077A98	10k
R109	06-11077A26	10			
			R277	06-11077A60	270
R110	06-11077B03	15k	R278	06-11077A26	10
R111	06-11077A54	150	R279	06-11077A90	4.7k
R112	06-11077A72	820	R280	06-11077A98	10k
R113	06-11077A58	220	R281	06-11077A90	4.7k
R114	06-11077A54	150	R301(N)	06-11077B03	15k
R115	06-11077A70	680			
			R301(W)	06-11077A82	2.2k
R116	06-11077A92	5.6k	R302	18-05500L08	variable 22k
R118	06-11077A70	680	R303	06-11077A94	6.8k
R119	06-11077A88	3.9k			
R120	06-11077A88	3.9k	Transformers		
R121	06-11077A84	2.7k			
R122			T4	05 001601400	halim
	06-11077A88	3.9k	T1	25-80163M02	balun
R123	06-11077A74	1k	T2	25-80163M02	balun
R124	06-11077A78	1.5k			
R125	06-11077A44	56	Integrated circu	its and modules	(see note)
R126	06-11077A50	100			
R127	06-11077A84	2.7k	U1	40 00174004	auad Sahattlas sina SOIO
				48-80174R01	quad Schottky ring SOIC
R128	06-11077A72	820	U51	51-05479G05	receiver system
R151	06-11077B15	47k	U101	51-84704M75	synthesizer
R152	06-11077B11	33k	U102	51-83977M45	prescaler
R153	06-11077B15	47k	U176	51-80932W01	dual op-amp
R154	06-11077A34	22	5	J. 505021101	asm op willp
			Valtana randit	ora /aan	
R155	06-11077A98	10k	Voltage regulat	ois (see note)	
R156	06-11077B03	15k			
R157	06-11077A78	1.5k	VR176	48-82256C11	zener diode 10V 5%

Y51 (N) 91-80022M03 filter 45.1 MHz 12.5 kHz Y51 (W) 91-80022M02 filter 45.1 MHz 25 kHz Y52 48-80008K02 44.645 MHz Y151 48-80174D05 14.4 MHz

Non-referenced items

26-80097M01 shield coil can (for L151) shield coil can (17 used) shield can (for J4) shield VCO frame shield image ground clip ground clip insulator (for Y151) insulator (3 used, for Y51A/B, Y52)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

11/30/92

PL-921034-O

HLE8228A RF Board, 490-520 MI HLE8227A RF Board, 490-520 MI			C101 C102 _ C103	23-11048B13 08-11051A13 21-11032B15	lytic 10 uF 20% 16V poly .1 uF 63V .22 uF +80/-20%
REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION	C104 C105	21-13741B45 23-11048B13	.01 uF lytic 10 uF 20% 16V
Capacitor, chip, 5%, 50V unless		otherwise indicated.	C106 C107 C108	21-13740B29 21-13741B69 21-13741B69	15 pF .1 uF .1 uF
C1 C2	21-13740G21 21-13740G17	5.6 +/1 pF 3.9 +/1 pF	C109 C110	08-11051A13 08-11051A19	poly .1 uF 63V poly 1 uF 63V
C3	21-13740G15	3.3 +/1 pF	C111	08-11051A09	poly .022 uF 63V
C4 C5	21-13740G28 21-13740G14	9.1 +/1 pF 3.0 +/1 pF	C112 C113	08-11051A01 21-13741B45	poly .001 uF 63V .01 uF
C6	21-13740G14	3.0 +/1 pF	C114	21-13740B45	68 pF
C7 C8	21-13740G28 21-13740G13	9.1 +/1 pF 2.7 +/1 pF	C115 C116	21-13741B45 21-13740B49	.01 uF 100 pF
C9	21-13740G13	2.7 +/1 pF	C117	21-13741B69	.1 uĖ
C10 C11	21-13740G24 21-13740G36	6.8 +/1 pF 20 pF 2%	C118 C119	21-13740B45 21-13740B45	68 pF 68 pF
C12	21-13740B45	68 pF	C120	21-13740B45	68 pF
C13 C14	21-13740G17 21-13740G12	3.9 +/1 pF 2.4 +/1 pF	C121 C122	21-13740B15 21-13740B49	3.9 +/25 pF 100 pF
C15	21-13740G13	2.7 +/1 pF	C123	21-13740B45	68 pF
C16 C17	21-13740G14 21-13740G31	3.0 +/1 pF 12 pF 2%	C124 C125	21-13740B25 21-13740B73	10 pF 1000 pF
C18	21-13740G14	3.0 +/1 pF	C126		not used
C19 C20	21-13740G13 21-13740G31	2.7 +/1 pF 12 pF 2%	C127 C128	21-11032B15 21-11032B15	.22 uF +80/-20%
C21	21-13740G31 21-13740G11	2.2 +/1 pF	C128 C129	21-11032B15	.22 uF +80/-20% .22 uF +80/-20%
C22	21-13740G14	3.0 +/1 pF	C130	21-11032B15	.22 uF +80/-20%
C23 C24	21-13740G33 21-13740G13	15 pF 2% 2.7 +/1 pF	C131 C132	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%
C25	21-13740G16	3.6 +/1 pF	C133	21-13740B49	100 pF
C26 C27	21-13740G30 21-11032B15	11 pF 2% .22 uF +80/-20%	C151 C152	21-13740B73 21-13740B47	1000 pF 82 pF
C28	21-13740B45	68 pF	C153	21-13740B25	10 pF
C29 C30	21-13740B45 21-11032B15	68 pF .22 uF +80/-20%	C154 C155	21-13741B45 21-13740B55	.01 uF 180 pF
C33	21-11002010	not used	C156	21-13740B55	180 pF
C51 C52	21-13740B55 21-13740B27	180 pF 12 pF	C157 C158	08-11051A15	not used poly .22 uF 63V
C53	21-13740B47	82 pF	C159	21-13740B35	27 pF
C54	21-13740B61	330 pF	C160	21-13740B29	15 pF
C55 C56	21-13741B45 21-13741B45	.01 uF .01 uF	C161 C162	21-13740B73 23-11048B13	1000 pF lytic 10 uF 20% 16V
C57(N)	21-13740B29	15 pF	C163	08-11051A17	poly .47 uF 63V
C57(W) C58(N)	21-13740B31 21-13740B25	18 pF 10 pF	C164 C165	21-13741B33	not used .0033 uF
C58(W)	21-13740B27	12 pF	C176	21-13740B73	1000 pF
C59(N) C59(W)	21-13740B29 21-13740B31	15 pF 18 pF	C201 C205	23-11048B13 21-13740B45	lytic 10 uF 20% 16V 68 pF
C60	21-13741B45	.01 uF	C206	21-13740B15	3.9 +/25 pF
C61 C65	21-13741B45	.01 uF .22 uF +80/-20%	C207 C208	21-13740B24 21-13740B19	9.1 +/25 pF 5.6 +/25 pF
C66	21-11032B15 21-13741B45	.01 uF	C208 C209	21-13740B19	5.6 +/25 pF
C67	23-13749C39	tantalum 10 uF 10% 20V	C210	21-13740B49	100 pF
C68 C69	21-13740B33 21-13740B39	22 pF 39 pF	C212 C213	21-13740B49 21-13740B01	100 pF 1 +/25 pF
C70	21-13740B29	15 pF_	C214	21-13740B13	3.3 +/25 pF
C71 C72	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%	C215 C216	21-13740B49 21-13740B13	100 pF 3.3 +/25 pF
C73	23-13749C39	tantalum 10 uF 10% 20V	C218	21-13740B49	100 pF
C74 C75	23-11048B13 21-13741B69	lytic 10 uF 20% 16V .1 uF	C220 C221	21-13740B23 21-13740B05	8.2 +/25 pF 1.5 +/25 pF
C76	23-11048B05	lytic 1 uF 20% 50V	C222	21-13740B49	100 pF
C77 C78	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%	C224 C225	21-13740B49 21-13740B49	100 pF 100 pF
C79	21-13741B29	.0022 uF	C228	21-13741B29	.0022 uF
C80 C81	21-11032B15	.22 uF +80/-20%	C230	21-13740B01	1 +/25 pF
C82	21-13740B55 21-11032B15	180 pF .22 uF +80/-20%	C231 C233	21-13740B01 21-13740B11	1 +/25 pF 2.7 +/25 pF
C83	21-11032B15	.22 uF +80/-20%	C234	21-13740B18	5.1 +/25 pF
C84 C85	21-13740B09 21-13740B27	2.2 +/25 pF 12 pF	C235 C236	21-13740B09 21-13740B09	2.2 +/25 pF 2.2 +/25 pF
C86		not used	C237	21-13740B45	68 pF
C87 C90	21-11032B15 21-11032B15	.22 uF +80/-20% .22 uF +80/-20%	C239 C240	21-13740B45 21-13740B01	68 pF 1 +/25 pF
C91	21-13740B49	100 pF	C242	21-13740B45	68 pF

C243	21-13740B09	2.2 +/25 pF	Connector res	41-	
C244	21-13740B09 21-11032B15	.22 uF +80/-20%	Connector, rece	eptacie	
C245	21-13740B45	68 pF	J4	09-80135M01	coaxial (RX)
C247	21-13740B16	4.3 +/25 pF	J5	09-80135M01	coaxial (TX)
C248	21-13740B09	2.2 +/25 pF	J6	09-80130M03	14-pin, RF board
C249 C251	21-13740B45	68 pF			
C251	21-13740B45 21-13740B45	68 pF 68 pF	Jumpers		
C253	21-13740B45	68 pF	JU1		not used
C255		not used	JU2		not used
C256	21-13741B45	.01 uF	JU3	06-11077A01	jumper
C257	21-13741B45	.01 uF	JU51		not used
C258	08-11051A07	poly .01 uF 63V	JU52		not used
C259 C260	21-13740B22	7.5 +/25 pF	JU201	06-11077A01	jumper
C260 C261	21-13741B45	not used .01 uF	JU202	06-11077A01	jumper
C262	21-10/410-0	not used	Coils		
C263		not used	••••		
C264		not used	L1	24-84562T04	4 turns airwound
C265		not used	L2	24-84562T04	4 turns airwound
C266	21-13740B03	1.2 +/25 pF	L3	24-84562T04	4 turns airwound
C267	21-13740B01	1 +/25 pF	<u>L4</u>	24-84562T04	4 turns airwound
C268 C269	21-13740B13	3.3 +/25 pF 2.2 +/25 pF	L5 L6	24-84562T04	4 turns airwound
C209 C270	21-13740B09	not used	L7	24-84562T04 24-84562T04	4 turns airwound 4 turns airwound
C271		not used	L8	24-11030B07	3-1/2 turns WHT
C272	21-13740B45	68 pF	L9	24-11030B07	3-1/2 turns WHT
C273	21-13740B49	100 pF	L10	24-62587N53	chip .1 uH 5%
C274	21-13740B49	100 pF	L51	24-11030B12	7-1/2 turns YEL
C275		not used	L52	24-62587N68	chip 1 uH 5%
C276	21-13741B45	.01 uF	L53	24-62587N56	chip .18 uH 5%
C277 C278	23-11048B19	lytic 47 uF 20% 16V	L54 L55	24-62587N76	chip 4.7 uH 5%
C279	23-11048B19 21-13740B45	lytic 47 uF 20% 16V 68 pF	L56	24-80164M02 24-80164M01	tunable .7 uH E715 tunable .7 uH E713
C280	21-11032B15	.22 uF +80/-20%	L57	24-80164M04	tunable .7 uH E714
C301	21-13741B45	.01 uF	L58	24-62587N76	chip 4.7 uH 5%
C302	21-13740B45	68 pF	L59	24-80164M03	tunable .7 uH E716
C303	21-13740B45	68 pF	L60	24-62587N69	chip 1.2 uH 5%
C304	21-13740B45	68 pF	L61	25-80000E01	tunable 455 kHz with cap
C305	21-13740B45	68 pF	L101	24-62587N56	chip .18 uH 5%
C306 C307	21-13740B45	68 pF	L102	24-62587N47	chip 33 nH 5%
C308	21-13740B45 21-13740B45	68 pF 68 pF	L151 L152	24-80299D01 24-11087A35	tunable 17-3/4 turns chip 5.6 uH 10%
C309	21-13740B45	68 pF	L202	24-80148M01	tunable 1-1/2 turns BRN
C310	21-13740B45	68 pF	L203	24-62587N55	chip .15 uH 5%
C311	21-13740B45	68 pF	L204	24-11030B07	3-1/2 turns WHT
C312	21-13740B45	68 pF	L205	24-62587N55	chip .15 uH 5%
C313	21-13740B45	68 pF	L206	24-62587N55	chip .15 uH 5%
C314		not used	L207	24-62587N57	chip .22 uH 5%
Diodes (see not	(۵		L209 L210	24-11030B05 24-11030B08	2-1/2 turns GRN 4-1/2 turns BRN
Diodes (see not	e)		L211	24-62587N57	chip .22 uH 5%
CR2	48-80154K03	dual Schottky SOT	L213	24-80148M01	tunable 1-1/2 turns BRN
CR3	48-80939T01	Schottky SOT	L214	24-62587N60	chip .39 uH 5%
CR5	48-80142L01	silicon PIN SOT MMBV3401	L215	24-11030B06	2-1/2 turns BLU
CR51	48-05129M76	silicon SOT	L216	24-62587N54	chip .12 uH 5%
CR52	48-05129M76	silicon SOT	L217	24-62587N54	chip .12 uH 5%
CR101	48-05129M76	silicon SOT	L218	24-62587N56	chip .18 uH 5%
CR102 CR151	48-05129M76 48-80006E10	silicon SOT silicon varactor SOT	L220 L221	24-11030B05 24-11030B01	2-1/2 turns GRN 1-1/2 turns BRN
CR152	48-80006E10	silicon varactor SOT	L222	24-62587N56	chip .18 uH 5%
CR153	48-84336R03	dual silicon SOT MMBD7000	 L223	0_0000	not used
CR203	48-84534N02	silicon varactor SOT			
CR205	48-84534N02	silicon varactor SOT	Transistors (see	e note)	
CR206	48-80154K02	dual Schottky SOT_			
CR209	48-84534N02	silicon varactor SOT	Q1 02	48-80950X01	NPN; type M50X01
CR211 CR213	48-84534N02 48-84534N02	silicon varactor SOT silicon varactor SOT	Q2 Q3	48-05128M67	PNP; type MMBT3906 PNP; type MMBT3906
CR214	48-80939T01	Schottky SOT	Q3 Q4	48-05128M67 48-05128M67	PNP; type MMBT3906
J	.0 00003101	John Mary John	Q5	48-05128M67	PNP; type MMBT3906
Filters			Q6	48-80214G02	NPN; type MMBT3904
			Q51	48-05128M66	field effect; type MMBFU310
FL51(N)	91-80097D04	455 kHz 6F	Q52	48-05128M66	field effect; type MMBFU310
FL51(W)	91-80097D06	455 kHz 6D	Q53	48-80214G02	NPN; type MMBT3904
FL52(N) FL52(W)	91-80098D04	455 kHz 4F 455 kHz 4D	Q101 O102	48-05128M67	PNP; type MMBT3906
1 LUZ(VV)	91-80098D06	455 kHz 4D	Q102 Q103	48-80182D20 48-80182D20	NPN; type M82D20/M9987 NPN; type M82D20/M9987
			Q104	48-05128M67	PNP; type MMBT3906
					* *

Q105	48-80214G02	NPN; type MMBT3904	R158	06-11077A74	1k
Q106	48-80214G02	NPN; type MMBT3904	R159	06-11077A74	1k
Q107	48-11043C19	NPN; type M43C19/M9658	R161	06-11077A98	10k
Q151	48-11043C19	<u> </u>		00-110//A96	
_		NPN; type M43C19/M9658	R162		not used
Q152	48-11043C06	PNP; type M43C06/M9643	R163(N)	06-11077B23	100k
Q203	48-05128M66	field effect; type MMBFU310	R163(W)	06-11077B17	56k
Q204	48-80950X01	NPN; type M50X01	R164	18-05500L08	variable 22k
Q205	48-80950X01	NPN; type M50X01	R165(N)	06-11077A98	10k
Q206	48-05128M66	field effect; type MMBFU310	R165(W)	06-11077B03	15k
Q207	48-80950X01	NPN; type M50X01	R176	06-11077G26	22.6k 1%
Q208	48-80950X01	NPN; type M50X01	R177	06-11077G18	18.7k 1%
Q276	48-80214G02	NPN; type MMBT3904	R178	06-11077G18	
Q277	48-05128M67	PNP; type MMBT3906	_		10.0k 1%
Q278			R179	06-11077F91	10.0k 1%
	48-05128M67	PNP; type MMBT3906	R180	06-11077G52	42.2k 1%
Q279	48-05128M67	PNP; type MMBT3906	R181	06-11077F91	10.0k 1%
			R182	06-11077G28	23.7k 1%
Hesistors, chip,	5%, 1/10 watt, u	nless otherwise indicated.	R207	06-11077A44	56
			R208	06-11077A44	56
R1	06-11077A84	2.7k	R209	06-11077A34	22
R2	06-11077A54	150	R210	06-11077A98	10k
R3	06-11077A60	270	R212	06-11077A84	2.7k
R4	06-11077B01	12k			
R5			R213	06-11077A72	820
	06-11077B03	15k	R214	06-11077A50	100
R6	06-11077A90	4.7k	R215	06-11077A84	2.7k
R7	06-11077A98	10k	R216	06-11077A72	820
R8	06-11077A98	10k	R217	06-11077A66	470
R9	06-11077A90	4.7k	R218	06-11077A56	180
R10	06-11077B07	22k	R219	06-11077A38	33
R11	06-11077B15	47k	R220	06-11077A56	180
R12	06-11077A45	62	R222	06-11077A88	3.9k
R13	06-11077A65	430	R223		
R51	06-11077A44	56		06-11077A94	6.8k
R52			R224	06-11077B23	100k
	06-11077A54	150	R225	06-11077A90	4.7k
R53	06-11077A88	3.9k	R226	06-11077A44	56
R54	06-11077A54	150	R227	06-11077A34	22
R56	06-11077B45	820k	R228	06-11077A38	33
R57	06-11077A72	820	R229	06-11077A98	10k
R58	06-11077B23	100k	R231	06-11077A84	2.7k
R59	06-11077B27	150k	R232	06-11077A72	820
R60	18-05500L08	variable 22k	R233		
R61(N)	06-11077B07	22k		06-11077A46	68
1 . 1			R234	06-11077A84	2.7k
R61(W)	06-11077B19	68k	R235	06-11077A72	820
R62(N)	06-11077A26	10	R236	06-11077A46	68
R62(W)	06-11077B09	27k	R237	06-11077A66	470
R63	06-11077B21	82k	R238	06-11077A28	12
R102	06-11077A62	330	R239	06-11077A66	470
R103	06-11077A98	10k	R240		not used
R104	06-11077A98	10k	R243	06-11077B23	100k
R105	06-11077B11	33k			
R106	06-11077A73	910	R244	06-11077A74	1k
			R245	06-11077A74	1k
R107	06-11077A78	1.5k	R246	06-11077B09	27k
R108	06-11077A26	10	R276	06-11077A98	10k
R109	06-11077A26	10	R277	06-11077A60	270
R110	06-11077B03	15k	R278	06-11077A26	10
R111	06-11077A54	150	R279	06-11077A90	4.7k
R112	06-11077A72	820	R280	06-11077A98	10k
R113	06-11077A58	220	R281	06-11077A90	4.7k
R114	06-11077A54	150			15k
R115	06-11077A70	680	R301(N)	06-11077B03	- ·
R116	06-11077A92	5.6k	R301(W)	06-11077A82	2.2k
			R302	18-05500L08	variable 22k
R118	06-11077A70	680	R303	06-11077A94	6.8k
R119	06-11077A88	3.9k			
R120	06-11077A88	3.9k	Transformers		
R121	06-11077A84	2.7k			
R122	06-11077A88	3.9k	T1	25-80163M02	balun
R123	06-11077A74	1k	T2	25-80163M02	balun
R124	06-11077A78	1.5k	•-		
R125	06-11077A44	56	Integrated sire	ite and madulas	(see note)
R126		100	integrated circu	it s a nd modules	(See HOID)
	06-11077A50		114	40.004=450	and Oak and a second
R127	06-11077A84	2.7k	U1	48-80174R01	quad Schottky ring SOIC
R128	06-11077A72	820	U51	51-05479G05	receiver system
R151	06-11077B15	47k	U101	51-84704M75	synthesizer
R152	06-11077B11	33k	U102	51-83977M45	prescaler
R153	06-11077B15	47k	U176	51-80932W01	dual op-amp
R154	06-11077A34	22	_		•
R155	06-11077A98	10k	Voltage regulate	ors (see note)	
R156	06-11077B03	15k			
R157	06-11077A78	1.5k	VR176	48-82256C11	zener diode 10V 5%
	55 . 10//A/S	non-	¥1117U	TO 022500	291191 GIUGE 1UV 376

Y51(N)	91-80022M03	filter 45.1 MHz 12.5 kHz
Y51(W)	91-80022M02	filter 45.1 MHz 25 kHz
Y52	48-80008K02	44.645 MHz
Y151	48-80174D05	14.4 MHz

Non-referenced items

26-80097M01 shield coil can (for L151) shield coil can (17 used) shield can (for J4) shield vCO frame shield image ground clip (2 used) 42-80957X01 ground clip (2 used) 75-05295B02 r5-05295B07 shield vCO frame shield image ground clip (2 used) ground clip insulator (for Y151) insulator (3 used, for Y51A/B, Y52)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

11/25/92

PL-921022-O

HLN8074A Logic Board 2-Layer Masked			C666	21-13740B74	1200 pF
REFERENCE	MOTOROLA	DESCRIPTION	C667 C668	08-11051A08 08-11051A13	poly .015 uF 63V poly .1 uF 63V
NUMBER	PART NO.		C701	21-13740B78	1800 pF_
Capacitor, chip	. 5%. 50V unless	otherwise indicated.	C703 C704	23-11048B05 08-11051A12	lytic 1 uF 20% 50V poly .068 uF 63V
	, 0 /0, 000 0000	callet Wide Infalcator.	C705	08-11051A12	poly .33 uF 63V
C401	21-13741B45	.01 uF	C706	08-11051A03	poly .0022 uF 63V
C402 C403	08-11051A09 21-13741B45	poly .022 uF 63V .01 uF	C707	21-13740B69	680 pF
C404	23-11048B19	lytic 47 uF 20% 16V	C801 C802	21-13740B49 21-13740B49	100 pF 100 pF
C405	23-11048B13	lytic 10 uF 20% 16V	C803	21-107-100-19	not used
C406 C407	08-11051A15	poly .22 uF 63V	C804		not used
C407 C408	23-11013A56 23-11048B19	tantalum 47 uF 20% 6V lytic 47 uF 20% 16V	C805 C808	21-13740B73 21-13740B49	1000 pF
C409	08-11051A17	poly .47 uF 63V	C809	21-13740B49	100 pF 100 pF
C451	23-11048B19	lytic 47 uF 20% 16V	C819	21-13740B73	1000 pF
C452 C453	21-13741B45 21-11032B14	.01 uF .15 uF +80/-20%	C824	21-13740B49	100 pF
C454	21-13741B45	.13 uF +80/-20%	C827 C828	23-11048B05 21-13741B69	lytic 1 uF 20% 50V .1 uF
C455	08-11051A15	poly .22 uF 63V	C829	21-13741B45	.01 uF
C458	21-13740B36	30 pF	C830	21-13740B31	18pF
C459 C460	21-13740B36 21-13741B45	30 pF .01 uF	C831 C832	21-13740B21	6.8 +/25 pF
C461	21-13741B45	.01 uF	C834	21-13740B30 21-13741B69	16 pF .1 uF
C463	21-13740B36	30 pF	C835	21-13741B69	.1 uF
C464 C465	21-13740B36	30 pF	C836	21-13740B73	1000 pF
C466	21-13740B36	30 pF not used	C841 C843	21-13740B73 21-13740B73	1000 pF 1000 pF
C501	08-11051A22	poly .039 uF 63V	C844	21-13740B73	1000 pF
C502	21-13740B76	1500 pF	C845	21-13740B73	1000 pF
C503 C504	21-13741B69 23-11048B13	.1 uF lytic 10 uF 20% 16V	C846 C847	21-13740B73	1000 pF
C505	08-11051A17	poly .47 uF 63V	C851	21-13740B73 21-13740B73	1000 pF 1000 pF
C506	08-11051A17	poly .47 uF 63V	C854	21-13740B73	1000 pF
C507 C551	02 11040040	not used	C855	23-11013A56	tantalum 47 uF 20% 6V
C552	23-11048B13 21-13740B36	lytic 10 uF 20% 16V 30 pF	C856 C857	21-13740B49 21-13740B73	100 pF
C553	21-13740B71	820 pF	C858	21-13740B73	1000 pF 1000 pF
C554	08-11051A03	poly .0022 uF 63V	C869	21-13740B73	1000 pF
C555 C556	21-13740B51 08-11051A12	120 pF poly .068 uF 63V	C870	21-13740B49	100 pF
C557	08-11051A12	poly .068 uF 63V	C914 C915		not used not used
C558	08-11051A12	poly .068 uF 63V	C916		not used
C559 C560	08-11051A13	poly .1 uF 63V	C917		not used
C561	08-11051A13 08-11051A15	poly .1 uF 63V poly .22 uF 63V	C918 C919		not used not used
C562	08-11051A09	poly .022 uF 63V	C920		not used
C563	21-13741B69	.1 uF	C922		not used
C564 C565	21-13740B49 23-11048B13	100 pF lytic 10 uF 20% 16V	Diedes (see se		
C566	21-13741B45	.01 uF	Diodes (see no	ote)	
C567	21-13741B45	.01 uF	CR401	48-05129M76	silicon SOT
C568	23-11048B19	lytic 47 uF 20% 16V	CR402	48-83654H02	silicon
C601 C604	23-11048B05	lytic 1 uF 20% 50V not used	CR403 CR451	48-05129M76	silicon SOT
C605		not used	CR551	48-05129M76 48-05129M76	silicon SOT silicon SOT
C606	08-11051A22	poly .039 uF 63V	CR603	48-84336R03	dual silicon SOT MMBD7000
C607 C608	08-11051A13 08-11051A05	poly .1 uF 63V	CR651	48-05129M76	silicon SOT
C609	21-13740B60	poly .0047 uF 63V 300 pF	CR801	48-05129M76	silicon SOT
C610	08-11051A16	poly .33 uF 63V	Fuse		
C611	21-13740B49	100 pF	F		
C612 C651	23-11048B19 23-11048B19	lytic 47 uF 20% 16V lytic 47 uF 20% 16V	F801	65-05214E04	2 amp axial lead
C652	08-11051A06	poly .0068 uF 63V	Connector, rec	eptacle	
C653	08-11051A15	poly .22 uF 63V	·	•	
C656	23-11048B13	lytic 10 uF 20% 16V	J3	28-80923V01	16-pin, accessories
C657 C658	21-13741B69 21-13741B45	.1 uF .01 uF	J6 J7	09-80130M03 28-80128M03	14-pin, RF board 6 pin, RF power amplifier
C659	23-11013A56	tantalum 47 uF 20% 6V	J8	28-80600B01	27-pin, includes J8 and J9
C660	23-11048B13	lytic 10 uF 20% 16V			F,
C661 C662	21-13740B74	1200 pF	Jumpers		
C663	08-11051A07 21-13740B50	poly .01 uF 63V 110 pF	JU551	09-80601B01	push-on jumper, 2-pin
C664	23-11048B09	lytic 4.7 uF 20% 35V	JU601	09-80601B01	push-on jumper, 2-pin
C665	21-13740B36	30 pF	JU651	09-80601B01	push-on jumper, 2-pin
			JU809	09-80601B01	push-on jumper, 2-pin

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Coils			R474	06-11077A98	10k
			R501	06-11077B23	100k
L801	24-11087A42	chip 22 uH ferrite	R502	06-11077A90	4.7k
L802	24-11087A42	chip 22 uH ferrite	R503	06-11077A78	1.5k
L803	24-11087A42	chip 22 uH ferrite	R551	06-11077A94	6.8k
			R552	06-11077B37	390k
Connector, Plu	ng		R553	06-11077B18	62k
Dec4	00.000000000	O ata basadas	R554	06-11077B18	62k
P551	28-80002R03	3-pin header	R555	06-11077B18	62k
P601	28-80002R03	3-pin header	R556	06-11077F53	4.02k 1%
P651	28-80002R03	3-pin header	R557	06-11077F20	1.82k 1%
P809	28-80002R03	3-pin header	R558	06-11077G42	33.2k 1%
Transistors (se	an notal		R559	06-11077G88	100k 1%
mansistors (se	e note,		R560	06-11077E77	665 1%
Q401	48-00869619	PNP, type M9619	R561	06-11077G88	100k 1%
Q402	48-80214G02	NPN; type MMBT3904	R562 R563	06-11077B16	51k 47k
Q403	48-05128M67	PNP; type MMBT3906	R567	06-11077B15 06-11077A86	3.3k
Q404	48-80214G02	NPN; type MMBT3904	R568	06-11077B07	22k
Q452	48-00869619	PNP, type M9619	R569	06-11077B07	47
Q453	48-80214G02	NPN; type MMBT3904	R570	06-11077B23	100k
Q454	48-80214G02	NPN; type MMBT3904	R573	06-11077B09	27k
Q455	48-80141L03	PNP, type M41L03	R574	06-11077A98	10k
Q501	48-80214G02	NPN; type MMBT3904	R575	06-11077B10	30k
Q551	48-80949V01	field effect; type MMBF5484	R576	06-11077B10	30k
Q651	48-05128M67	PNP; type MMBT3906	R577	06-11077B13	100k
Q652	48-80214G02	NPN; type MMBT3904	R578	06-11077B23	47
Q801	48-80214G02	NPN; type MMBT3904	R581	06-11077A68	560
Q802	48-80141L03	PNP, type M41L03	R601	06-11077A98	10k
Q803	48-80947V01	digital NPN; type DTC144W	R602	06-11077B47	1 meg
Q804	48-80214G02	NPN; type MMBT3904	R603	06-11077A74	1k
Q805	48-80947V01	digital NPN; type DTC144W	R607	00 110111111	not used
Q806	48-80947V01	digital NPN; type DTC144W	R608		not used
Q807	48-80214G02	NPN; type MMBT3904	R609	06-11077B11	33k
Q808	48-80214G02	NPN; type MMBT3904	R610	06-11077B15	47k
Q809	48-80214G02	NPN; type MMBT3904	R611	06-11077G42	33.2k 1%
Q810	48-80214G02	NPN; type MMBT3904	R612	06-11077G42	33.2k 1%
Q811	48-80947V01	digital NPN; type DTC144W	R613	06-11077G42	33.2k 1%
Q812	48-80947V01	digital NPN; type DTC144W	R615	06-11077G95	118k 1%
Q821	48-80214G02	NPN; type MMBT3904	R616	06-11077G31	25.5k 1%
			R617	06-11077A82	2.2k
Resistors, chi	p, 5%, 1/10 watt, u	nless otherwise indicated.	R620	06-11077A98	10k
			R622	06-11077B31	220k
R401	06-11077A70	680	R651	06-11077A68	560
R402	06-80195M37	330 1/2 watt	R652	06-11077A50	100
R403	06-11077A70	680	R653	06-11077A98	10k
R404	06-11077F18	1.74k 1%	R654	06-11077A98	10k
R405	06-11077F28	2.21k 1%	R655	06-11077A90	4.7k
R406	06-11077A98	10k	R656	06-11077B39	470k
R407	06-11077A76	1.2k	R657	06-11077B42	620k
R408	06-11077F91	10.0k 1%	R658	06-11077H65	619k 1%
R409	06-11077F91	10.0k 1%	R659	06-11077A82	2.2k
R410	06-11077A80	1.8k	R660	06-11077B19	68k
R411	06-11077A78	1.5k	R661	06-11077B03	15k
R412	06-11077A84	2.7k	R662	06-11077B17	56k
R413	06-11077A98	10k	R663	06-11077B18	62k
R414	06-11077A98	10k	R664	06-11077B07	22k
R453	06-11077A70	680	R665	06-11077A84	2.7k
R454	06-80195M37	330 1/2 watt	R666	06-11077B23	100k
R455	06-11077A70	680	R667	06-11077B23	100k
R456 R457	06-11077A82	2.2k	R668	06-11077G56	46.4k 1%
R458	06-11077A76 06-11077A90	1.2k 4.7k	R669	06-11077G42	33.2k 1%
R459	06-11077A90	4.7k 4.7k	R670	06-11077G42	33.2k 1%
R460	06-11077B01	12k	R671	06-11077A61	300
R461	06-11077A70	680	R672	06-11077B17	56k
R462	06-11077B29	180k	R673	06-11077B23	100k
R463	06-11077B25	120k	R674	06-11077A82	2.2k
R464	06-11077G88	100k 1%	R701	06-11077G88	100k 1%
R465	06-11077G88	100k 1%	R702	06-11077H13	178k 1%
R466	06-11077G66 06-11077F91	10.0k 1%	R703	06-11077G31	25.5k 1%
R467	06-11077F91	10.0k 1%	R705	06-11077H13	178k 1%
R468	06-11077F91	270	R706	06-11077G56	46.4k 1%
R469	06-11077A74	1k	R707	06-11077G95	118k 1%
R470	06-11077A98	10k	R708	06-11077B15	47k
R470 R471	06-11077B07	22k	R709	06-11077B19	68k
R472	06-11077A92	5.6k	R710	06-11077G13	16.5k 1%
R473	06-11077B09	27k	R711	06-11077G13 06-11077B10	16.5k 1% 30k
	55 1 1077 503	···	R714	00-110/7010	JUK

R7		06-11077B05	18k	U652	51-02198J22	dual op-amp 4558 SOIC
R7	16	06-11077A86	3.3k	U653	51-80059M01	voltage-controlled attenuator
R8	01	06-11077A78	1.5k	U801	51-80135C10	D/A converter MC144110
R8	02	06-11077A84	2.7k	U802	51-80649B01	microcomputer
R8		06-11077A98	10k	0002	31-00049001	
						MC68HC11E9
R8		06-11077A90	4.7k			
R8		06-11077B15	47k	Voltage regulato	rs (see note)	
R8	08	06-11077A90	4.7k		•	
R8	09	06-11077A90	4.7k	VR401	48-83461E40	zener diode 5.1V 1%
R8		06-11077B17	56k	VR402	48-80140L06	zener diode 5.1V SOT
R8	11		56k			
		06-11077B17		VR551	48-80140L15	zener diode 10V SOT
R8		06-11077A90	4.7k	VR552	48-80140L15	zener diode 10V SOT
R8	13	06-11077A90	4.7k	VR801	48-80948V01	zener diode 27V SOT
R8	14	06-11077A90	4.7k	VR802	48-80948V01	zener diode 27V SOT
R8	15	06-11077A90	4.7k	VR803		not used
R8		06-11077B23	100k	VR804		
R8						not used
		06-11077B23	100k	VR805		not used
R8		06-11077B23	100k	VR807		not used
R8	22	06-11077B15	47k	VR811	48-80948V01	zener diode 27V SOT
R8	25	06-11077B15	47k	VR812	48-82256C20	zener diode 27V
R8	26	06-11077A90	4.7k	VR813	48-80948V01	zener diode 27V SOT
R8		06-11077A98	10k	VR814	48-80948V01	
R8				VD014	40-00940 VU I	zener diode 27V SOT
		06-11077A98	10k			
R8		06-11077A74	1k	Crystais		
R8		06-11077A74	1k			
R8	33	06-11077A98	10k	Y801	48-80173D09	7.776 MHz
R8		06-11077A98	10k			
R8		06-11077A74	1k	Non-referenced	items	
R8		06-11077A74	1k	Hon-releicited	iteilis	
					00.400401404	
R8		06-11077A98	10k		03-10943M04	screw M2.5 X 8 (2 used, for
R8		06-11077A74	1k			Q401 and Q452)
R8		06-11077A98	10k		03-80271L01	screw (2 used for U501)
R8	50	06-11077A74	1k		04-00136334	washer flat (2 used for U501)
R8	51	06-11077B15	47k		14-83820M05	insulator (2 used, for Q401
R8	52	06-11077B15	47k			and Q452)
R8		06-11077B45	820k		26-80497B01	heatsink
R8		06-11077A90	4.7k			
					01-80701Y58	connector assembly (mates
R8		06-11077A98	10k			with J3)
HX						
	58	06-11077A98	10k		09-82071K09	14 pin socket (2 used for
R8	59	06-11077A98 06-11077A98	10k 10k		09-82071K09	14 pin socket (2 used for U804)
	59				09-82071K09 26-80123M02	U804)
R8 R8	59 60	06-11077A98 06-11077A98	10k 10k			
R8 R8 R8	59 60 62	06-11077A98 06-11077A98 06-11077F95	10k 10k 11.0k 1%	Note: For optimi	26-80123M02	U804) logic shield frame
R8 R8 R8 R8	59 60 62 63	06-11077A98 06-11077A98 06-11077F95 06-11077F91	10k 10k 11.0k 1% 10.0k 1%		26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8	59 60 62 63 64	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20	10k 10k 11.0k 1% 10.0k 1% 1.82k 1%		26-80123M02	U804) logic shield frame
R8 R8 R8 R8 R8	59 60 62 63 64 65	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k		26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68 69	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68 69 70	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 66 67 68 69 70 71	06-11077A98 06-11077F95 06-11077F95 06-11077F91 06-11077F20 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68 69 770 771	06-11077A98 06-11077F99 06-11077F91 06-11077F90 06-11077F20 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68 69 69 77 71 77 77	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 66 67 68 69 70 71 77 77 77	06-11077A98 06-11077F99 06-11077F91 06-11077F90 06-11077F20 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 66 67 68 69 70 71 77 77 77	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R	59 60 62 63 64 65 66 67 68 69 70 71 72 77 78	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8 R8	59 60 62 63 64 65 66 67 68 69 70 71 72 76 77 78 79	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 667 68 69 77 77 77 77 78 79 80 83	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B23 06-11077B23	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k 10k 10k 10k 10k 10k 10k 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 67 68 69 770 771 772 776 777 779 80 83 84	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B23 06-11077B23 06-11077B23	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 67 68 69 770 771 772 776 777 778 80 83 84	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B93 06-11077B93 06-11077B15 06-11077B15 06-11077A90	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 66 67 68 69 77 71 77 77 78 77 78 80 83 84 87 89	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A90	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 67 68 69 770 771 772 776 777 778 80 83 84	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B93 06-11077B93 06-11077B15 06-11077B15 06-11077A90	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 66 67 68 69 70 71 77 77 78 77 78 83 84 84 87 89	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A90	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 66 67 68 69 77 71 77 77 78 77 78 80 83 84 87 89 90	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077B15 06-11077A90 06-11077A90	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 66 67 68 69 77 71 77 77 78 77 78 80 83 84 87 89 90	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F20 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077B15 06-11077A90 06-11077A90 06-11077A90 06-11077A90	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 67 68 69 70 71 77 78 77 78 80 83 84 87 89 90 91 18	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F20 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077B15 06-11077A90 06-11077A90 06-11077A90 06-11077A90	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 67 68 69 77 71 77 78 77 80 83 84 87 89 90 118 119 egrated circuit	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A98 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A98	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 70 71 72 76 77 88 89 90 118 119 egrated circuit	06-11077A98 06-11077F95 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077B15 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 70 71 72 776 778 87 89 90 118 119 egrated circuit	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 70 71 72 76 77 80 83 84 87 89 90 118 119 egrated circuit: 01 02 51	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077B15 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 66 67 68 69 77 71 72 76 77 78 80 83 84 87 89 90 918 119 egrated circuit	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077B15 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 77 71 72 76 77 78 80 83 84 87 89 90 9118 119 egrated circuit	06-11077A98 06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 770 771 772 776 778 80 83 84 87 89 90 918 119 egrated circuit: 01 02 51 01 551	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 77 71 77 78 77 89 80 83 84 87 89 90 118 91 egrated circuit 51 51 551	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 77 71 77 78 77 89 80 83 84 87 89 90 118 91 egrated circuit 51 51 551	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 70 71 72 76 77 78 80 83 84 87 89 90 118 119 egrated circuit 01 02 51 101 551 552 153 101	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 70 71 72 77 78 79 80 83 84 87 89 90 118 119 egrated circuit: 01 02 51 01 01 02 51	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8888888888888888888888888888888888888	59 60 62 63 64 65 666 67 68 69 770 771 772 76 778 89 80 83 84 87 89 90 918 119 egrated circuit 01 02 51 01 51 553 501	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-
R8 R	59 60 62 63 64 65 666 67 68 69 770 771 772 76 778 89 80 83 84 87 89 90 918 119 egrated circuit 01 02 51 01 51 553 501	06-11077A98 06-11077F95 06-11077F91 06-11077F91 06-11077F90 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077B23 06-11077B23 06-11077B23 06-11077B15 06-11077B15 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98 06-11077A98	10k 10k 10k 11.0k 1% 10.0k 1% 1.82k 1% 10k	tegrated circuits	26-80123M02	U804) logic shield frame diodes, transistors, and in-

REFERENCE	MOTOROLA	DESCRIPTION	C666 C667	21-13740B74 08-11051A08	1200 pF poly .015 uF 63V
IUMBER	PART NO.	DESCRIPTION	C668	08-11051A08	poly .015 uF 63V
ONIDEN	i Aiti NO.		C701	21-13740B78	1800 pF
apacitor, chip	. 5%. 50V unless	otherwise indicated.	C703	23-11048B05	lytic 1 uF 20% 50\
	, ,		C704	08-11051A12	poly .068 uF 63V
401	21-13741B45	.01 uF	C705	08-11051A16	poly .33 uF 63V
402	08-11051A09	poly .022 uF 63V	C706	08-11051A03	poly .0022 uF 63\
403	21-13741B45	.01 uF	C707	21-13740B69	680 pF
404	23-11048B19	lytic 47 uF 20% 16V	C801	21-13740B49	100 pF
405 406	23-11048B13 08-11051A15	lytic 10 uF 20% 16V	C802 C803	21-13740B49	100 pF 1000 pF
407	23-11013A56	poly .22 uF 63V tantalum 47 uF 20% 6V	C804	21-13740B73 21-13740B73	1000 pF
408	23-11048B19	lytic 47 uF 20% 16V	C805	21-13740B73	1000 pF
409	08-11051A17	poly .47 uF 63V	C806	21-13740B73	1000 pF
451	23-11048B19	lytic 47 uF 20% 16V	C807	21-13740B73	1000 pF
452	21-13741B45	.01 uF	C808	21-13740B49	100 pF
453	21-11032B14	.15 uF +80/-20%	C809	21-13740B49	100 pF
454	21-13741B45	.01 uF	C810	21-13740B73	1000 pF
455	08-11051A15	poly .22 uF 63V	C811	21-13740B73	1000 pF
458	21-13740B36	30 pF	C812	21-13740B73	1000 pF
459	21-13740B36	30 pF_	C813	21-13740B73	1000 pF
460	21-13741B45	.01 uF	C814	21-13740B73	1000 pF
461	21-13741B45	.01 uF	C815	21-13740B73	1000 pF
:462 :463	21-11032B15 21-13740B36	.22 uF +80/-20% 30 pF	C816 C817	21-13740B73	1000 pF 1000 pF
;464		30 pF	C818	21-13740B73	
.465	21-13740B36 21-13740B36	30 pF	C819	21-13740B73 21-13740B73	1000 pF 1000 pF
7465 7466	£ 1- 107 7 0000	not used	C820	21-13740B73	1000 pF
501	08-11051A22	poly .039 uF 63V	C821	21-13740B73	1000 pF
502	21-13740B76	1500 pF	C822	21-13740B73	1000 pF
503	21-13741B69	.1 uF	C823	21-13740B73	1000 pF
504	23-11048B13	lytic 10 uF 20% 16V	C824	21-13740B49	100 pF
505	08-11051A17	poly .47 uF 63V	C825	21-13740B49	100 pF
507		not used	C826	21-13740B73	1000 pF
C551	23-11048B13	lytic 10 uF 20% 16V	C827	23-11048B05	lytic 1 uF 20% 50
C552	21-13740B36	30 pF_	C828	21-13741B69	.1 uF_
D553	21-13740B71	820 pF	C829	21-13741B45	.01 uF
C554	08-11051A03	poly .0022 uF 63V	C830	21-13740B25	10 pF
)555 SEE	21-13740B51	120 pF	C831	21-13740B19	5.6 +/25 pF
0556 0557	08-11051A12 08-11051A12	poly .068 uF 63V	C832 C833	21-13740B25	10 pF
)))))	08-11051A12	poly .068 uF 63V poly .068 uF 63V	C834	21-13740B73 21-13741B69	1000 pF .1 uF
C559	08-11051A12	poly .1 uF 63V	C835	21-13741B69	.1 uF
560	08-11051A13	poly .1 uF 63V	C836	21-13740B73	1000 pF
561	08-11051A15	poly .22 uF 63V	C837	21-13741B45	.01 uF
C562	08-11051A09	poly .022 uF 63V	C838	21-13741B45	.01 uF
563	21-13741B69	.1 uF	C839	21-13741B45	.01 uF
C564	21-13740B49	100 pF	C840	21-13741B45	.01 uF
565	23-11048B13	lytic 10 uF 20% 16V	C841	21-13740B73	1000 pF
C566	21-13741B45	.01 uF	C842	21-13740B73	1000 pF
567	21-13741B45	.01 uF	C843	21-13740B73	1000 pF
C568	23-11048B19	lytic 47 uF 20% 16V	C844	21-13740B73	1000 pF
569 601	21-13740B33	22 pF	C845	21-13740B73	1000 pF
2601 2604	23-11048B05	lytic 1 uF 20% 50V	C846	21-13740B73	1000 pF
2604 2605		not used	C847	21-13740B73	1000 pF
2605 2606	08-11051A22	not used poly .039 uF 63V	C848 C849	21-13740B73 21-13740B49	1000 pF
2607	08-11051A22	poly .039 ur 63V poly .1 uF 63V	C850	21-13740B49 21-13740B73	100 pF 1000 pF
608	08-11051A15	poly .0047 uF 63V	C851	£1-101 -1 0013	not used
2609	21-13740B60	300 pF	C852	21-13741B45	.01 uF
2610	08-11051A16	poly .33 uF 63V	C853	21-13741B45	.01 uF
2611	21-13740B49	100 pF	C854	21-13740B73	1000 pF
2612	23-11048B19	lytic 47 uF 20% 16V	C855	23-11013A56	tantalum 47 uF 2
2651	23-11048B19	lytic 47 uF 20% 16V	C856	21-13740B49	100 pF
652	08-11051A06	poly .0068 uF 63V	C857	21-13740B73	1000 pF
2653	08-11051A15	poly .22 uF 63V	C858	21-13740B73	1000 pF
2656	23-11048B13	lytic_10 uF 20% 16V	C860	21-13741B53	.022 uF
2657	21-13741B69	.1 uF_	C861	21-13740B73	1000 pF
C658	21-13741B45	.01 uF	C862	21-13741B53	.022 uF
C659	23-11013A56	tantalum 47 uF 20% 6V	C863	21-13740B73	1000 pF
C660	23-11048B13	lytic 10 uF 20% 16V	C864	21-13740B49	100 pF
C661	21-13740B74	1200 pF	C865	21-13740B73	1000 pF
`eeo	08-11051A07	poly .01 uF 63V	C866	21-13740B49	100 pF
0662 0663 0664	21-13740B50 23-11048B09	110 pF lytic 4.7 uF 20% 35V	C867 C868	21-13740B73 21-13740B73	1000 pF 1000 pF

Diodes (see not	e)		Q810	48-80214G02	NPN; type MMBT3904
OD404	10.071001570		Q811	48-80947V01	digital NPN; type DTC144W
CR401	48-05129M76	silicon SOT	Q812	48-80947V01	digital NPN; type DTC144W
CR402	48-83654H02	silicon	Q813	48-80947V01	digital NPN; type DTC144W
CR403	48-05129M76	silicon SOT	Q814	48-80214G02	NPN; type MMBT3904
CR451 CR551	48-05129M76	silicon SOT	Q815	48-80947V01	digital NPN; type DTC144W
CR603	48-05129M76	silicon SOT dual silicon SOT MMBD7000	Q816	48-80214G02	NPN; type MMBT3904
CR651	48-84336R03 48-05129M76	silicon SOT MMBD/000	Q817	48-80947V01	digital NPN; type DTC144W
OHOOT	70-05 (25W) 0	SINCOTI SOT	Q818	48-80214G02	NPN; type MMBT3904
Fuse			Q819 Q820	48-80214G02 48-80947V01	NPN; type MMBT3904 digital NPN; type DTC144W
F801	65-05214E04	2 amp axial lead			
_		z amp axiai icau	mesistors, cr	πρ, 5%, 1/10 waπ, ui	nless otherwise indicated.
Connector, rece	eptacle		R401 R402	06-11077A70	680 330 1/2 watt
J3	28-80923V01	16-pin, accessories	R403	06-80195M37 06-11077A70	680
J6	09-80130M03	14-pin, RF board	R404	06-11077F18	1.74k 1%
J7	28-80128M03	6 pin, RF power amplifier	R405	06-11077F28	2.21k 1%
J8/J9	28-80600B01	27-pin, includes J8 and J9	R406	06-11077A98	10k
1			R407	06-11077A76	1.2k
Jumpers			R408	06-11077F91	10.0k 1%
JU551	09-80601B01	push-on jumper, 2-pin	R409	06-11077F91	10.0k 1%
JU601	09-80601B01	push-on jumper, 2-pin	R410	06-11077A80	1.8k
JU651	09-80601B01	push-on jumper, 2-pin	R411	06-11077A98	10k
JU701	09-80601B01	push-on jumper, 2-pin	R412 R413	06-11077A74	1k
JU802	06-11077A01	jumper	R414	06-11077A98 06-11077A98	10k 10k
JU803		not used	R453	06-11077A70	680
JU804	06-11077A01	jumper	R454	06-80195M37	330 1/2 watt
JU805		not used	R455	06-11077A70	680
JU806	06-11077A01	jumper	R456	06-11077A82	2.2k
JU807	06-11009B23	jumper	R457	06-11077A76	1.2k
JU808	09-80601B01	push-on jumper, 2-pin	R458	06-11077A90	4.7k
JU810	06 11077401	not used	R459	06-11077A90	4.7k
JU811	06-11077A01	jumper	R460	06-11077B01	12k
Coils			R461	06-11077A70	680
00110			R462 R463	06-11077B29	180k
L801	24-11087A42	chip 22 uH ferrite	R464	06-11077B25 06-11077G88	120k 100k 1%
L802	24-83961B02	5 turns GRN	R465	06-11077G88	100k 1%
L803	24-83961B02	5 turns GRN	R466	06-11077F91	10.0k 1%
0			R467	06-11077F91	10.0k 1%
Connector, Plug	9		R468	06-11077A60	270
P551	28-80002R03	2 nin hondor	R469	06-11077A74	1k
P601	28-80002R03	3-pin header 3-pin header	R470	06-11077A98	10k
P651	28-80002R03	3-pin header	R471	06-11077B07	22k
P701	28-80002R03	3-pin header	R472	06-11077A92	5.6k
P808	28-80002R03	3-pin header	R473	06-11077B09	27k
P810	28-80002R03	3-pin header	R474 R475	06-11077A98 06-11077G88	10k 100k 1%
P811	28-80002R03	3-pin header	R476	06-11077G57	47.5k 1%
		•	R477	06-11077A90	4.7k
Transistors (see	note)		R501	06-11077B23	100k
0404	40.0000040	515	R502	06-11077A90	4.7k
Q401 O403	48-00869619	PNP, type M9619	R503	06-11077A78	1.5k
Q402 Q403	48-80214G02	NPN; type MMBT3904	R551	06-11077A94	6.8k
Q404	48-80516C01 48-80214G02	TMOS; type MTD4P06 NPN; type MMBT3904	R552	06-11077B37	390k
Q452	48-00869619	PNP, type M9619	R553	06-11077B18	62k
Q453	48-80214G02	NPN; type MMBT3904	R554	06-11077B18	62k
Q454	48-80214G02	NPN; type MMBT3904	R555	06-11077B18	62k
Q455	48-80141L03	PNP, type M41L03	R556 R557	06-11077F53 06-11077F20	4.02k 1% 1.82k 1%
Q456	48-80214G02	NPN; type MMBT3904	R558	06-11077G42	33.2k 1%
Q501	48-80214G02	NPN; type MMBT3904	R559	06-11077G88	100k 1%
Q551	48-80949V01	field effect; type MMBF5484	R560	06-11077E77	665 1%
Q601	48-80214G02	NPN; type MMBT3904	R561	06-11077G88	100k 1%
Q651 Q652	48-05128M67	PNP; type MMBT3906	R562	06-11077B16	51k
Q652 Q801	48-80214G02	NPN; type MMBT3904	R563	06-11077B15	47k
Q802	48-80214G02 48-80141L03	NPN; type MMBT3904 PNP, type M41L03	R567	06-11077A86	3.3k
Q803	48-80947V01	digital NPN; type DTC144W	R568	06-11077B07	22k
Q804	48-80214G02	NPN; type MMBT3904	R569	06-11077A42	47
Q805	48-80947V01	digital NPN; type DTC144W	R570	06-11077B23	100k
Q806	48-80947V01	digital NPN; type DTC144W	R573 R574	06-11077B09	27k
Q807	48-80214G02	NPN; type MMBT3904	R575	06-11077A98 06-11077B10	10k 30k
Q808	48-05128M67	PNP; type MMBT3906	R576	06-11077B10	30k
Q809	48-05128M67	PNP; type MMBT3906	R577	06-11077B23	100k

R578	06-11077A42	47	R828	06-11077A98	10k
R579	06-11077B37	390k	R829	06-11077A74	1k
R580	06-11077B09	27k	R830		1k
R581	06-11077A68	560		06-11077A74	
R601	06-11077A98	10k	R831	06-11077A50	100
R602	06-11077B47		R832	06-11077A50	100
R603		1 meg	R833	06-11077A98	10k
	06-11077A74	1k	R834	06-11077F91	10.0k 1%
R607		not used	R835	06-11077B05	18k
R608		not used	R836	06-11077A98	10k
R609	06-11077B11	33k	R837	06-11077B05	18k
R610	06-11077B15	47k	R838	06-11077F91	10.0k 1%
R611	06-11077G42	33.2k 1%	R839	06-11077A98	10k
R612	06-11077G42	33.2k 1%	R840	06-11077A98	10k
R613	06-11077G42	33.2k 1%	R841	06-11077A98	10k
R615	06-11077G95	118k 1%	R842	06-11077A74	1k
R616	06-11077G31	25.5k 1%	R843	06-11077A98	10k
R617	06-11077A82	2.2k	R844	06-11077A98	10k
R618	06-11077B23	100k	R845	06-11077A74	1k
R619	06-11077A98	10k	R846	06-11077A98	10k
R620	06-11077A98	10k	R847	06-11077A50	100
R622	06-11077B31	220k	R848	06-11077A74	1k
R651	06-11077A68	560	R849	06-11077A98	10k
R652	06-11077A50	100	R850	06-11077A74	1k
R653	06-11077A98	10k	R851	06-11077B15	47k
R654	06-11077A98	10k	R852	06-11077B15	47k
R655	06-11077A90	4.7k	R853	06-11077B15	820k
R656	06-11077B39	470k	R854	06-11077A90	4.7k
R657	06-11077B42	620k	R855		4.7k 47k
R658	06-11077H65	619k 1%	R856	06-11077B15	
R659	06-11077A82	2.2k		06-11077A74	1k
R660	06-11077B19	68k	R857	06-11077A98	10k
R661	06-11077B19	15k	R858	06-11077A98	10k
R662		_	R859	06-11077A98	10k
R663	06-11077B17	56k	R860	06-11077A98	10k
	06-11077B18	62k	R861	06-11077B23	100k
R664	06-11077B07	22k	R862	06-11077F95	11.0k 1%
R665	06-11077A84	2.7k	R863	06-11077F91	10.0k 1%
R666	06-11077B23	100k	R864	06-11077F20	1.82k 1%
R667	06-11077B23	100k	R865	06-11077A98	10k
R668	06-11077G56	46.4k 1%	R866	06-11077A98	10k
R669	06-11077G42	33.2k 1%	R867	06-11077A98	10k
R670	06-11077G42	33.2k 1%	R868	06-11077A98	10k
R671	06-11077A61	300	R869	06-11077A98	10k
R672	06-11077B17	56k	R870	06-11077A98	10k
R673	06-11077B23	100k	R871	06-11077A98	10k
R674	06-11077A82	2.2k	R872	06-11077A98	10k
R701	06-11077G88	100k 1%	R873	06-11077A98	10k
R702	06-11077H13	178k 1%	R874	06-11077A74	1k
R703	06-11077G31	25.5k 1%	R875	06-11077A98	10k
R705	06-11077H13	178k 1%	R876	06-11077A98	10k
R706	06-11077G56	46.4k 1%	R877	06-11077B23	100k
R707	06-11077G95	118k 1%	R878	06-11077B23	100k
R708	06-11077B15	47k	R879	06-11077B23	100k
R709	06-11077B19	68k	R880	06-11077B15	47k
R710	06-11077G13	16.5k 1%	R883	06-11077A90	4.7k
R711	06-11077G13	16.5k 1%	R884		
R714	06-11077B10	30k	R887	06-11077B15 06-11077A90	47k 4.7k
R715	06-11077B05	18k	R888	00-11077A90	_
R716	06-11077B03	3.3k	R889	06 11077460	not used
R801	06-11077A38	3.5k 1.5k		06-11077A68	560
R802	06-11077A/8	1.5k 2.7k	R890	06-11077A98	10k
R803	06-11077A84 06-11077A98	2.7k 10k	R899	06-11077A98	10k
R804	06-11077A90		R901	06-11077A90	4.7k
R807	06-11077B15	4.7k	R902	06-11077B15	47k
R808		47k	R903	06-11077A98	10k
R809	06-11077A90	4.7k	R904	06-11077A98	10k
	06-11077A90	4.7k	R905	06-11077A90	4.7k
R810	06-11077B17	56k	R906	06-11077B15	47k
R811	06-11077B17	56k	R907	06-11077A98	10k
R812	06-11077A90	4.7k	R908	06-11077A98	10k
R813	06-11077A90	4.7k	R909	06-11077A90	4.7k
R814	06-11077A90	4.7k	R910	06-11077B15	47k
R815	06-11077A90	4.7k	R911	06-11077A98	10k
R816	06-11077B23	100k	R912	06-11077A98	10k
R817	06-11077B23	100k	R913	06-11077A98	10k
R818	06-11077B23	100k	R914	06-11077A90	4.7k
R822	06-11077B15	47k	R915	06-11077B15	47k
R825	06-11077B15	47k	R916	06-11077A98	10k
R826	06-11077A90	4.7k	R917	06-11077A74	1k
R827	06-11077A98	10k	R918	06-11077A98	10k
			. ~		

Integrated circuits and modules (see note)

U401 U402 U451 U501	51-02198J22 51-80942T01 51-02198J22 51-80147R01	dual op-amp 4558 SOIC regulator, 5V with reset dual op-amp 4558 SOIC audio power amp TDA1519A
U551 U552	51-02198J22 51-02198J22	dual op-amp 4558 SOIC dual op-amp 4558 SOIC
U553	51-02198J22	dual op-amp 4558 SOIC
U601 U602	51-02198J23	dual comparator 2903 SOIC
U603	51-02198J22 51-02198J22	dual op-amp 4558 SOIC dual op-amp 4558 SOIC
U651	51-02198J22	dual op-amp 4558 SOIC
U652	51-02198J22	dual op-amp 4558 SOIC
U653 U701	51-80059M01	voltage-controlled attenuator
U801	51-02198J22 51-80135C10	dual op-amp 4558 SOIC D/A converter MC144110
U802	51-80960T01	microcomputer
U803	51-82862N09	gate array
U804	HLN8121A	ROM kit
U805	51-80901W01	EEPROM
U806	51-80914V01	static RAM

Voltage regulators (see note)

VR401 VR402 VR403 VR551 VR552 VR801 VR802 VR803 VR804 VR805 VR806	48-83461E40 48-80140L06 48-80948V01 48-80140L15 48-80140L15 48-80948V01 48-80948V01	zener diode 5.1V 1% zener diode 5.1V zener diode 27V SOT zener diode 10V SOT zener diode 10V SOT zener diode 27V SOT zener diode 27V SOT not used zener diode 27V SOT not used not used
VR806 VR807		not used
VR808 VR809	48-80948V01	zener diode 27V SOT
VR810	48-80948V01 48-80948V01	zener diode 27V SOT zener diode 27V SOT
VR811 VR812	48-80948V01 48-82256C20	zener diode 27V SOT zener diode 27V

Crystals

Y801 48-80173D09 7.776 MHz

Non-referenced items

03-10943M04	screw M2.5 X 8 (2 used, for
	Q401 and Q452)
03-80271L01	screw (2 used for U501)
04-00136334	washer flat (2 used for U501)
14-83820M05	insulator (2 used, for Q401
	and Q452)
26-80497B01	heatsink
01-80701Y58	connector assembly (mates
	with J3)
09-82071K09	14 pin socket (2 used for
	U804)
26-80123M02	logic shield frame

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

11/24/92

PL-921012-A

24-11030A03 4 turns YEL

HLD8299A PA 8	Board,	146-174	MHz,	1-10	Watt

TIEDOESSATA I	Dodia, 140-174 W	1112, 1-10 Wall	L2211	24-11030A03 24-11030E05	1/2 turn GRN
REFERENCE	MOTOROLA	DESCRIPTION	L2213	24-11030E03	10-1/2 turns WHT
NUMBER	PART NO.		L2214	24-11030B11	6-1/2 turns ORN
			L2215	24-11030B10	5-1/2 turns RED
Capacitor, chip	, 5%, 50V unless	otherwise indicated.	L2223	24-82723H46	.2 uH
C2210	01 10740040	100 - 5	L2230	24-11030B15	10-1/2 turns WHT
C2210	21-13740B49	100 pF	L2231	24-11030B07	3-1/2 turns WHT
C2212	21-13740B34	24 pF not used	L2240 L2250	24-11030B07 24-11087B28	3-1/2 turns WHT
C2213	21-13740B65	470 pF	L2250 L2251	24-11030B10	chip 1.5 uH 5-1/2 turns RED
C2214	21-13740B65	470 pF	L2252	24-11087B28	chip 1.5 uH
C2215	21-13740B47	82 pF	L2260	24-11030B11	6-1/2 turns ORN
C2216	21-13741B69	.1 uF	L2261	24-11030B12	7-1/2 turns YEL
C2217	21-13740B73	1000 pF	L2262	24-11030B12	7-1/2 turns YEL
C2218	21-13740B65	470 pF	L2263	24-11030B11	6-1/2 turns ORN
C2219	21-13741B69	.1 uF	L2264	24-11030B15	10-1/2 turns WHT
C2220 C2221	21 127/0065	not used	Transistars	(-)	
C2223	21-13740B65 21-13740B65	470 pF 470 pF	Transistors ((see note)	
C2224	E1-107-10D03	not used	Q2210	48-82233P39	NPN; type MRF559
C2225		not used	Q2220	48-80225C23	NPN; type MRF237
C2226	21-13741B69	.1 uF		10 000000	, .,,,,,
C2227	21-13740B65	470 pF	Resistors, ch	nip, 5%, 1/10 watt, u	nless otherwise indicated.
C2229	21-13740B73	1000 pF		•••	
C2230	21-13740B53	150 pF	R2210	06-11077A60	270
C2231	21-13740B47	82 p <u>F</u>	R2211	06-11077A58	220
C2234	21-13741B69	.1 uF _	R2212	06-11077A52	120
C2235	21-13740B65	470 pF	R2213	06-11077A38	33
C2236 C2240	21-13741B69	.1 uF	R2214 R2215	06-11077A40	39 10
C2240 C2241		not used not used	R2216	06-11077A26	not used
C2242		not used	R2217	06-11077A43	51
C2243	21-13740B46	75 pF	R2218	06-11077A33	20
C2244	21-13740B34	24 pF	R2219	06-11077A26	10
C2245	21-13740B40	43 pF	R2220	06-11077A38	33
C2250	21-13740B65	470 pF	R2230	06-11077A26	10
C2251	21-13740B19	5.6 +/25 pF	R2233	06-11077A26	10
C2252	21-13740B40	43 pF_	R2250	06-80194M15	39 1 watt
C2253	21-13740B65	470 pF	R2251	06-80194M15	39 1 watt
C2260 C2261	21-13740B33	22 pF	R2270	06-11077B11	33k
C2262	21-13740B34 21-13740B35	24 pF	R2271 R2272	06-11077A80 06-05621T02	1.8k thermistor 50k
C2263	21-13740B34	27 pF 24 pF	R2273	06-11077A44	56
C2264	21-13740B30	16 pF	R2274	06-11086D01	0.2 2 watt
C2265	21-13740B65	470 pF			
C2270	21-13740B65	470 pF	Non-referen	ced items	
C2271	21-13740B49	100 pF			
C2272	21-13740B73	1000 pF		26-80158L01	heat sink (for Q2220)
C2273	21-13741B69	.1 uF _		29-80014A03	clip coax terminal (2 used)
C2274	21-13740B65	470 pF			
C2275 C2276	21-13740B65	470 pF	Note: For or	timum nadarmana	diadas Aransistass and in
C2276 C2277	21-13740B65 21-13741B69	470 pF .1 uF			e, diodes, transistors, and in- ed by Motorola part numbers.
C2278	21-13741B09 21-13740B49	100 pF	legrateu cirt	duits must be ordere	d by Motorola part numbers.
C2279	21-13740B49 21-13740B65	470 pF	1/7/93		PL-921028-C
C2280	21-13740B49	100 pF			
C2281	21-13741B69	.1 uF			
C2282	08-11051A17	poly .47 uF 63V			
C2283		not used			
Diodes (see no	te)				
CR2250	48-80010E01	PIN UM9401			
CR2251	48-80010E01	PIN UM9401			
CR2270	48-80236E07	transient suppressor diode			
Ferrite Beads					
E2210	24-84657R01	ferrite bead			
E2211	24-84657R01	ferrite bead			
E2230	24-84657R01	ferrite bead			
E2270	24-84657R01	ferrite bead			
E2271	24-84657R01	ferrite bead			
Coils					
L2210	24-11030B10	5-1/2 turn RED			
		/			

L2211

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	l items	
	01-80556B01	6-wire cable assembly (in- cludes P7)
	01-80634B01	feedthru bracket assembly (includes C2201 through C2206, 470 pF feedthru capacitors, 6 used)

HLN8274A PA Hardware Kit, 146-174 MHz, 1-10 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitor, chip		
C2238 C2239	21-11078B25 21-11078B25	27 pF 100V 27 pF 100V
Connector, recep	otacle	
J1 J2	09-80131M01 09-80255E01	mini UHF coax power (includes feedthru)
Connector, plug		
P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138M07	plug coaxial cable 150 mm with plug
Transistors		
Q2230	48-80225C18	NPN; type MRF2628
Non-referenced i	tems	
	02-00007003 03-10943M10 03-10943M11 04-00131974 04-05587G01 04-80943V01 26-80124L01 26-80223M07 32-80014N03 42-80520B01	nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (6 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield gasket, accessory connector ground clip, pc board (2 used)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

1/7/93

PL-921029-O

TLUBUSSA PA	Board, 146-174 M	1Hz, 10-25 Watt	L2323 L2324	24-80036A01 24-82723H46	ferrite bead 1/2 turn .2 uH
REFERENCE	MOTOROLA	DESCRIPTION	L2325	24-11030B02	1-1/2 turns RED
NUMBER	PART NO.		L2330	24-11030E04	1/2 turn YEL
			L2331	24-11030B07	3-1/2 turn WHT
Capacitor, chip	, 5%, 50V unless	otherwise indicated.	L2332	24-80036A01	ferrite bead 1/2 turn
			L2333	24-11030B07	3-1/2 turns WHT
C2308		not used	L2334	24-11030E04	1/2 turn YEL
C2309		not used	L2335	24-11030A02	3 turns ORG
C2310	21-13740B65	470 pF	L2336	24-11030A03	4 turns YEL
C2311	21-13740B27	12 pF	L2350	24-82723H49	1.2 uH
C2312	21-13740B65	470 pF	L2351	24-11030B10	5-1/2 turns RED
C2313	21-13740B65	470 pF	L2352	24-82723H44	.039 uH
C2314	21-13741B69	.1 uĖ	L2353	24-82723H49	1.2 uH
C2315	21-13740B51	120 pF	L2360	24-11030A05	6 turns BLU
C2316	21-13740B65	470 pF	L2361	24-11030B12	7-1/2 turns YEL
C2317	21-13740B41	47 pF	L2362	24-11030B12	7-1/2 turns YEL
C2318	21-13740B49	100 pF	L2363	24-11030A05	6 turns BLU
C2319	21-13740B65	470 pF	L2364	24-11030B15	10-1/2 turns WHT
C2320	21-13740B65	470 pF	L2370	24-84346A02	.23 uH
C2321	21-11032B15	.22 uF +80/-20%	110.0	2-0-0-0-0-02	.23 di i
C2322	21-13741B69	.1 uF	Transistors ((see note)	
C2323	21-13740B65	470 pF	Transistors :	(see note)	
C2324	21-13740B32	20 pF	Q2310	48-82233P39	NPN; type 33P39
C2325	21-13740B35	27 pF	Q2310 Q2320	48-80225C23	
C2326	21-13740B41	47 pF	GESEU	10-00223023	NPN; type MRF237
C2327	21-13740B65	47 pr 470 pF	Recietore of	hin 5% 1/10 wat	nless otherwise indicated.
C2330	21-13740B41	47 pF	nesisiois, ci	iiip, 5%, 1/10 waii, u	mess otherwise indicated.
C2331			R2307	06 11077460	330
C2332	21-13740B47	82 pF	R2310	06-11077A62	330
C2334		not used		06-11077A46	68
C2336	21 000001442	not used	R2311	06-11077A58	220
	21-80060M43	100 pF 100V	R2312	06-11077A60	270
C2337	21-80060M39	68 pF 500V	R2313	06-11077A26	10
C2338	21-80060M25	18 pF 500V	R2314	06-11077A26	10
C2339	21-11032B15	.22 uF +80/-20%	R2320	06-11077A26	10
C2340	21-80060M19	10 pF 500V	R2321	06-11077A50	100
C2341	21-13740B53	150 pF	R2329		not used
C2342		not used	R2331	06-80279M01	metal film 82 3 watt
C2343	21-80060M43	100 pF 100V	R2332	06-11077A26	10
C2351	21-13740B29	15 pF	R2350	06-11009A39	390 1/4 watt
C2352	21-13740B53	150 pF	R2351	06-11077A66	470
C2353	21-13740B59	270 pF	R2352	06-11077A66	470
C2354	21-13740B65	470 pF	R2353	06-11077A50	100
C2360	21-80060M29	27 pF 500V	R2370	06-11077A38	33
C2361	21-80060M29	27 pF 500V	R2371	06-80147M01	metal plate .05 2 watt
C2362	21-80060M29	27 pF 500V	R2372	06-05621T02	thermistor 50k
C2363	21-80060M30	30 pF 500V	R2373	06-11077B11	33k
C2364	21-80060M27	22 pF 500V	R2374	06-11077A74	1k
C2365	21-13740B73	1000 pF			
C2370	21-13740B65	470 pF	Non-referen	ced items	
C2371	21-13741B69	.1 uF			
C2372	21-13740B51	120 pF		26-80158L01	heat sink (for Q2320)
C2373	21-13740B65	470 pF		26-80275M01	heat sink, diode (2 used for
C2374	21-13740B65	470 pF			CR2350 and CR2351)
C2375	21-13740B65	470 pF		29-80014A03	clip coax terminal (2 used)
C2376	21-13741B69	.1 uF		20 000 1 17 100	onp coux tommar (2 asca)
C2378	23-11048A17	lytic 33 uF 20% 25V	Note: For or	timum performance	e, diodes, transistors, and in-
C2379	21-13740B65	470 pF			d by Motorola part numbers.
C2380			tegrated circ	raits illust be oldele	d by Motorola part numbers.
U230U	21-13740865	470 pF	8/20/92		PI 001015 /
Diodes (see no	te)		0/20/92		PL-921015-A
CDOSEO	40 00040504	alliana Dibi i ibto cod			
CR2350	48-80010E01	silicon PIN UM9401			
CR2351	48-80010E01	silicon PIN UM9401			
CR2370	48-80236E07	transient suppressor diode			
Ferrite Beads					
E2370	76-83960B01	ferrite bead 1/2 turn			
Coils					
1 2210	24 11020404	E turno CDNI			
L2310	24-11030A04	5 turns GRN			
L2311	24-11030B07	3-1/2 turns WHT			
L2312	24-11030E01	1/2 turn BRN			
L2313	24-11030B15	10-1/2 turns WHT			
L2321	24-80036A01	ferrite bead 1/2 turn			
L2322	24-11030B07	3-1/2 turns WHT			

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION				
Non-referenced items						
	01-80556B01	6-wire cable assembly (in- cludes P7)				
	01-80634B01	feedthru bracket assembly (includes C2301 through C2306, 470 pF feedthru capacitors, 6 used)				

HLN8069A PA Hardware Kit, VHF 25 Watt

Capacitors, chip C2329 C2333	REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
C2333 21-11078B52 240 pF 100V C2335 21-11078B34 47 pF 100V Connector, receptacle J1 09-80131M01 mini UHF coax power (includes feedthru) Connector, plug P4 30-80138M08 coaxial cable 200 mm with plug coaxial cable 150 mm with plug Transistors Q2330 48-80225C22 NPN; type MRF1946 Non-referenced items 02-00007003 nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield gasket, accessory connector plug button ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	Capacitors, chip		
J1 09-80131M01 mini UHF coax power (includes feedthru) Connector, plug P4 30-80138M08 coaxial cable 200 mm with plug coaxial cable 150 mm with plug Transistors Q2330 48-80225C22 NPN; type MRF1946 Non-referenced items 02-00007003	C2333		240 pF 100V
December 2015 December 201	Connector, recep	ptacle	
P4 30-80138M08 coaxial cable 200 mm with plug coaxial cable 150 mm with plug coaxial cable 150 mm with plug Transistors Q2330 48-80225C22 NPN; type MRF1946 Non-referenced items 02-00007003 nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield gasket, accessory connector plug button ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2			
P5 30-80138M07 plug coaxial cable 150 mm with plug Transistors Q2330 48-80225C22 NPN; type MRF1946 Non-referenced items 02-00007003 nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield gasket, accessory connector plug button ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	Connector, plug		
P5 30-80138M07 coaxial cable 150 mm with plug Transistors Q2330 48-80225C22 NPN; type MRF1946 Non-referenced items 02-00007003 nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) 04-00131974 washer (2 used for J2) washer nylon (for J2) washer nylon (for J2) lockwasher (for J1) heat sink 26-80124L01 passionk 26-80223M07 pA shield gasket, accessory connector plug button 32-80014N01 qzound clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	P4	30-80138M08	
Q2330 48-80225C22 NPN; type MRF1946 Non-referenced items 02-00007003 nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) 04-00131974 washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink 26-80124L01 plug button ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	P5	30-80138M07	coaxial cable 150 mm with
02-00007003 nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink 26-80223M07 PA shield gasket, accessory connector plug button ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	Transistors		
02-00007003 nut 8-32x5/16x1/8 (for J1) 03-10943M10 screw M3x.5x8 (8 used) 03-10943M11 screw M3x.5x10 (2 used for J2) 04-00131974 washer (2 used for J2) washer nylon (for J2) 04-80943V01 lockwasher (for J1) 26-80124L01 heat sink 26-80223M07 PA shield 32-80014N03 gasket, accessory connector plug button 42-80281L01 ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	Q2330	48-80225C22	NPN; type MRF1946
03-10943M10 screw M3x.5x8 (8 used) 03-10943M11 screw M3x.5x10 (2 used for J2) 04-00131974 washer (2 used for J2) washer nylon (for J2) 04-80943V01 lockwasher (for J1) 26-80124L01 heat sink 26-80223M07 PA shield 32-80014N03 gasket, accessory connector plug button 42-80281L01 ground clip (2 used for Q2330) 42-80520B01 ground clip, pc board (2	Non-referenced	items	
		03-10943M10 03-10943M11 04-00131974 04-05587G01 04-80943V01 26-80124L01 26-80223M07 32-80014N03 38-80014N01 42-80281L01	screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield gasket, accessory connector plug button ground clip (2 used for Q2330) ground clip, pc board (2

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

8/20/92

PL-921016-A

	Board, 146-174 N		L2413 L2420	24-11030A06 24-11030E06	7 turns VIO 1/2 turn BLU
REFERENCE	MOTOROLA	DESCRIPTION	L2421	24-82723H49	1.2 uH
NUMBER	PART NO.		L2422	24-11030E01	1/2 turn BRN
Canasitas abi-	- 50/ 50//		L2423	24-11030E04	1/2 turn YEL
Capacitor, chip	o, 5%, 50V unless	otherwise indicated.	L2430	24-11030B07	3-1/2 turns WHT
C2410	21-13740B65	470 pF	L2431	24-11030D03	4 turns YEL
C2411	21-13740B29	470 pr 15 pF	L2440 L2441	24-11030D03	4 turns YEL
C2412	21-13740B61	330 pF	L2443	24-80908T25	3-1/2 turns RED
C2413	21-13740B45	68 pF	L2450	24-80908T09 24-82835G25	1-1/2 turns RED 1.5 uH 5%
C2414	21-13740B65	470 pF	L2451	24-02000020	not used
C2415	21-13740B65	470 pF	L2452	24-80908T23	3-1/2 turns RED
C2420	21-13740B37	33 pF	L2453	24-82723H44	39 nH
C2421	21-13740B41	47 pF	L2460	24-80908T22	3-1/2 turns GRN
C2422	08-11051A17	poly .47 uF 63V	L2461	24-80908T23	3-1/2 turns RED
C2423	21-13740B52	130 pF	L2462	24-80908T22	3-1/2 turns GRN
C2424 C2430	21-13740B37	33 pF	L2463	24-11030B15	10-1/2 turns WHT
C2430 C2431	21-13740B49	100 pF	L2470	24-82723H46	.2 uH
C2431	21-13740B36	30 pF	L2471	24-84346A02	.23 uH
C2432 C2433	21-13740B65 21-13740B65	470 pF	Tannalataus	(
C2434	21-13740B69	470 pF	Transistors	(see note)	
C2435	08-11051A19	.1 uF poly 1 uF 63V	Q2410	40.00000000	NIDNI, A MDEEE
C2440	21-11078B59	470 pF 100V	Q2410 Q2420	48-82233P39	NPN; type MRF559
C2443	21-13740B65	470 pF 100V	WETEU	48-80225C23	NPN; type MRF237
C2444	08-11051A17	poly .47 uF 63V	Resistors of	hin 5% 1/10 wa+	nless otherwise indicated.
C2447	21-11078B38	68 pF 100V	i iodiatura, U	····ρ, J /ο, 1/10 waπ, u	mess outerwise indicated.
C2448	21-11078B38	68 pF 100V	R2410	06-11077A60	270
C2449	21-80060M42	91 pF 500V	R2411	06-11077A58	220
C2450	21-80060M34	43 pF 500V	R2412	06-11077A46	68
C2451	21-11078B59	470 pF 100V	R2413	06-11077A26	10
C2452		not used	R2414	06-11077A26	10
C2453	21-11078B44	120 pF 100V	R2415	06-11077A44	56
C2454	21-13740B25	10 pF	R2420	06-11077A50	100
C2455	21-13740B65	470 pF	R2430	06-11009C37	330 1/4 watt FCF
C2456		not used	R2431	06-11077A46	68
C2460	21-80060M30	30 pF 500V	R2440	06-11086A27	47 1 watt FMO
C2461	21-80060M30	30 pF 500V	R2450	06-80194M15	39 1 watt
C2462	21-80060M30	30 pF 500V	R2451	06-80194M15	39 1 watt
C2463	21-80060M27	22 pF 500V	R2470	06-11077A30	15
C2464	21-11078B59	470 pF 100V	R2471	06-80147M02	metal plate .01 10% 2 watt
C2468 C2469	21-11078B38	68 pF 100V	R2472	06-05621T02	thermistor 50k
C2409 C2470	21-11078B38	68 pF 100V	R2473	06-11077B11	33k
C2470	21-13740B65 21-13740B65	470 pF	R2474	06-11077A76	1.2k
C2472	21-13740B65	470 pF	Non-referen	and theme	
C2473	21-13740B65	470 pF 470 pF	MOII-leielei	cea nems	
C2474	21-13740B65	470 pF		26-80158L01	heat sink (for Q2420)
C2475	21-13740B51	120 pF		26-80275M01	heat sink (2 used for
C2476	21-13740B65	470 pF		20-002/31401	CR2450 and CR2451)
C2477	21-13741B69	.1 uF		29-80014A03	clip coax terminal (2 used)
C2478	21-13741B69	.1 uF		20 00014700	onp coax terrimar (2 useu)
C2479	21-13740B65	470 pF	Note: For or	otimum performance	, diodes, transistors, and in-
C2480	21-13741B69	.1 uF	tegrated circ	cuits must be ordere	d by Motorola part numbers.
C2481	21-13740B65	470 pF			a by motoroid part harribors.
C2482	21-13740B65	470 pF	12/2/92		PL-921035-
Diodes (see no	te)	- r			04.000
CR2450		silicon PIN			
CR2451	48-80010E01 48-80010E01	silicon PIN silicon PIN			
CR2470	48-80236E07	transient suppressor diode			
0.12470	40-00250E07	dansient suppressor diode			
Ferrite Beads					
	24-80036A01	ferrite bead 1/2 turn			
F2410	24-80036A01	ferrite bead 1/2 turn			
E2410 E2420	47"UUUUUU	ferrite bead 1/2 turn			
E2420		IVITIE DEAU IZ LUIII			
E2420 E2430	24-80036A01				
E2420 E2430 E2440	24-80036A01 24-80036A01	ferrite bead 1/2 turn			
E2420 E2430 E2440 E2470	24-80036A01 24-80036A01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn			
E2420 E2430 E2440 E2470 E2471	24-80036A01 24-80036A01	ferrite bead 1/2 turn			
E2420 E2430 E2440 E2470 E2471 Coils	24-80036A01 24-80036A01 76-83960B01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn ferrite bead 1/2 turn			
E2420 E2430 E2440 E2470 E2471 Coils	24-80036A01 24-80036A01 76-83960B01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn ferrite bead 1/2 turn 2 turns RED			
E2420 E2430 E2440 E2470 E2471 Coils L2410 L2411	24-80036A01 24-80036A01 76-83960B01 76-83960B01 24-11030A01 24-11030B07	ferrite bead 1/2 turn ferrite bead 1/2 turn ferrite bead 1/2 turn 2 turns RED 3-1/2 turns WHT			
E2420 E2430 E2440 E2470 E2471 Coils	24-80036A01 24-80036A01 76-83960B01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn ferrite bead 1/2 turn 2 turns RED			

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	l items	
	01-80556B01	6-wire cable assembly (in- cludes P7)
	01-80634B01	feedthru bracket assembly (includes C2401 through C2406, 470 pF feedthru capacitors, 6 used)

HLN8289A PA Hardware Kit, 146-174 MHz, 25-45 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chi	p	
C2436	21-11078B38	68 pF 100V
C2441	21-11078B54	300 pF 100V
C2442	21-11078B54	300 pF 100V
C2445	21-11078B25	27 pF 100V
C2446	21-11078B25	27 pF 100V
C2466	21-11078B25	27 pF 100V
C2467	21-11078B25	27 pF 100V
Connector, rece	eptacle	
J1	09-80131M01	mini UHF coax
J2	09-80255E01	power (includes feedthru)
Connector, plug	g	
P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138M07	plug coaxial cable 150 mm with plug
Transistors		
Q2430	48-80225C18	NPN; type MRF2628
Q2440	48-84411L04	NPN; type M1104
Non-referenced	l items	
	02-00007003	nut 8-32x5/16x1/8 (for J1)
	03-10943M10	screw M3x.5x8 (8 used)
	03-10943M11	screw M3x.5x10 (2 used for J2)
	04-00131974	washer (2 used for J2)
	04-05587G01	washer nylon (for J2)
	04-80943V01	lockwasher (for J1)
	26-80124L01	heat sink
	26-80223M07	PA shield
	32-80014N03	gasket, accessory connector
	42-80281L01	ground clip (2 used for Q2440)
	42-80520B01	ground clip, pc board (2 used)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

12/2/92

PL-921036-O

REFERENCE	MOTOROLA	DESCRIPTION	E2722	76-83960B01	ferrite bead 1/2 turn
NUMBER	PART NO.	DEGGIII NGIV	E2770	76-83960B01	ferrite bead 1/2 turn
			E2771	76-83960B01	ferrite bead 1/2 turn
Capacitor, chip	, 5%, 50V unless	otherwise indicated.	Coils		
2710	21-13740B49	100 pF	000		
2711	21-13740B27	12 pF	L2710	24-11030E02	1/2 turn RED
2712	21-13740B34	24 pF	L2711	24-11030B04	1-1/2 turns YEL
2713	21-13740B73	1000 pF	L2712	24-11030E04	1/2 turn YEL
C2714	21-13740B73	1000 pF	L2713	24-11030B01	1-1/2 turns BRN
C2715	21-13740B21	6.8 +/25 pF	L2714	24-80036A01	ferrite bead 1/2 turn
C2716 C2717	21-13741B69	.1 uF	L2720 L2721	24-11030E01	1/2 turn BRN not used
2717 22718	21-13740B36 21-13740B49	30 pF 100 pF	L2721	24-82723H44	.039 uH
C2719	21-13/40049	not used	L2730	24-11030A03	4 turns YEL
2720	21-13740B32	20 pF	L2731	24-80036A01	ferrite bead 1/2 turn
22721	21-13740B32	20 pF	L2732	24-11030A06	7 turns VIO
C2722		not used	L2740	24-80036A01	ferrite bead 1/2 turn
C2723		not used	L2741	24-11030A02	3 turns ORN
C2724		not used	L2742	24-80908T11	1-1/2 turns RED
C2725	-	not used	L2743	24-80908T01	1-1/2 turns RED
C2726	21-13740B49	100 pF	L2744	04 00700! 140	not used
2727	21-13740B73	1000 pF	L2750	24-82723H40	.29 uH
C2728 C2729	21-11032B15 21-13740B36	.22 uF +80/-20% 30 pF	L2751 L2752	24-11030B04 24-82723H40	1-1/2 turns YEL .29 uH
02729 02730	21-13740B32	20 pF	L2753	24-11030B11	6-1/2 turns ORN
D2731	21-11078B25	27 pF 100V	L2760	24-80908T08	1-1/2 turns GRN
2732	21-11078B25	27 pF 100V	L2761	24-80908T10	1-1/2 turns GRN
2733	21-11032B15	.22 uF +80/-20%	L2762	24-80908T11	1-1/2 turns RED
C2735		not used	L2763	24-11030B11	6-1/2 turns ORN
C2736	21-13740B49	100 pF	L2770	24-82723H46	.2 uH
C2737	21-13740B73	1000 pF	L2771	24-84346A02	.23 uH
C2738	21-13741B69	.1 uF			
C2739	23-11048A17	lytic 33 uF 20% 25V	Transistors	(see note)	
C2740	21-11078B35	51 pF 100V	00740	40.000000000	11011
C2745	21-80060M20	11 pF 500V	Q2710	48-82233P39	NPN; type MRF559
C2746	21-80060M13	7 +/25 pF 500V	Q2720	48-80225C09	NPN; type MRF630
C2747 C2748	21-80060M31	33 pF 500V	Besistors of	hin 5% 1/10 watt u	nless otherwise indicated.
02749	21-11032B15 21-13740B49	.22 uF +80/-20% 100 pF	1 103131013, 01	inp, 570, 1710 watt, u	moss otherwise malcated.
D2750	21-80060M26	20 pF 500V	R2710	06-11077A60	270
2751	21-13740B17	4.7 +/25 pF	R2711	06-11077A58	220
C2752		not used	R2712	06-11077A52	120
C2753	21-13740B27	12 pF	R2713	06-11077A38	33
C2754	21-13740B49	100 pF	R2714	06-11077A38	33
C2755	21-13740B49	100 pF	R2715	06-11077A62	330
C2756	21-80060M20	11 pF 500V	R2720	06-11077A26	10
C2757	21-80060M13	7 +/25 pF 500V	R2740	00 000001440	not used
C2758	04 0000001440	not used	R2741	06-02369M10	
C2760	21-80060M19	10 pF 500V	R2750	06-80194M15 06-80194M15	39 1 watt 39 1 watt
C2761	21-80060M15	8 +/25 pF 500V	R2751 R2770	06-80147M02	metal plate .01 10% 2 watt
02762 02763	21-80060M17 21-80060M11	9 +/25 pF 500V 6 +/25 pF 500V	R2771	06-11077A28	12
2763 22764	21-80060M11	100 pF 100V	R2772	06-05621T02	thermistor 50k
02765	23-11048A17	lytic 33 uF 20% 25V	R2773	06-11077B11	33k
2768	20	not used	R2774	06-11077A76	1.2k
2770	21-13740B36	30 pF	R2775	06-11077A26	10
C2771	21-13740B36	30 pF			
C2772	21-13740B73	1000 pF	Non-referen	ced items	
C2773	21-13741B69	.1 uF_		00 001-01 01	h4-1-1 //- 00-00
C2774	21-13740B36	30 pF		26-80158L01	heat sink (for Q2720)
C2775	08-11051A17	poly .47 uF 63V		26-80275M01	heat sink (2 used for
C2776	21-13740B36	30 pF		20.90014802	CR2750 and CR2751)
C2777	21-13740B73	1000 pF		29-80014A03	clip coax terminal (2 used)
C2778 C2779	21-13741B69	.1 uF 30 pF	Note: For or	ntimum nerformanos	e, diodes, transistors, and in-
C2780	21-13740B36 21-13740B36	30 pF 30 pF			ed by Motorola part numbers.
C2781	£ 1-13/4UD30	30 pF not used	Logicied Offi	mast ba oldale	way motoroid part fluitibels.
C2782		not used	11/25/92		PL-921030-
Diodes (see no	ote)				
CR2750	48-80010E01	silicon PIN UM9401			
CR2751	48-80010E01	silicon PIN UM9401			
CR2770	48-80236E07	transient suppressor diode			

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	d items	
	01-80556B01	6-wire cable assembly (in- cludes P7)
	01-80634B01	feedthru bracket assembly (includes C2701 through C2706, 470 pF feedthru capacitors, 6 used)

HLN8277A PA Hardware Kit, 403-433 MHz, 25/40 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chip		
C2741 C2742 C2743 C2744 C2766 C2767	21-11078B36 21-11078B37 21-11078B35 21-11078B35	56 pF 100V 62 pF 100V 51 pF 100V 51 pF 100V not used not used
Connector, recep	otacle	
J1 J2	09-80131M01 09-80255E01	mini UHF coax power (includes feedthru)
Connector, plug		
P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138M07	coaxial cable 150 mm with plug
Transistors		
Q2730 Q2740	48-80225C19 48-80225C24	NPN; type MRF654 NPN; type MRF650
Non-referenced i	tems	
	02-00007003 03-10943M10 03-10943M11	nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2)
	04-00131974 04-05587G01 04-80943V01 26-80124L03 26-80223M07 26-805514C01 26-80551C01 32-80014N03 42-80281L01	washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield filter shield antenna connector shield gasket, accessory connector ground clip (2 used for Q2740)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

11/25/92

PL-921031-O

1-1/2 turns ORN ferrite bead 1/2 turn 1-1/2 turns ORN

HLE8267A PA Board, 438-470 MHz, 1-10 Watt

24-82723H44 39 nH

REFERENCE	MOTOROLA	DESCRIPTION	L2531 L2532	24-80036A01 24-11030B03
NUMBER	PART NO.		L2540	24-11030E02
			L2550	24-82723H40
Capacitor, chip	o, 5%, 50V unless	otherwise indicated.	L2551	24-11030B03
			L2552	24-82723H40
C2510	21-13740B49	100 pF	L2553	24-11030B11
C2511	21-13740B27	12 pF	L2560	24-11030B02
C2512	21-13740B29	15 pF		_
			L2561	24-11030B03
C2513	21-13740B73	1000 pF	L2562	24-11030B02
C2514	21-13740B73	1000 pF	L2563	24-11030B11
C2515	21-13740B21	6.8 +/25 pF	L2570	24-80036A01
C2516	21-13741B69	.1 uF		
C2517	21-13740B36	30 pF	Transistors (s	see note)
C2518	21-13740B49	100 pF	`	•
C2519	21-13740B73	1000 pF	Q2510	48-82233P39
C2520	21-13740B29	15 pF	Q2520	48-80225C09
C2521	21-13740B35	• _	Q2530	
C2522	21-13/40500	27 pF	Q2550	48-80225C19
		not used	Bartata	
C2523	• · · · • • · · •	not used	Hesistors, ch	ip, 5%, 1/10 watt, ur
C2526	21-13740B49	100 pF	_	
C2527	21-13740B73	1000 pF	R2510	06-11077A58
C2528	21-11032B15	.22 uF +80/-20%	R2511	06-11077A60
C2529	21-13740B36	30 pF	R2512	06-11077A52
C2530	21-13740B37	33 pF	R2513	06-11077A40
C2531	21-13740B31		R2514	06-11077A40
C2531 C2532		18 pF		
	21-13740B31	18 pF	R2520	06-11077A26
C2536	21-13740B49	100 pF	R2550	06-80194M15
C2537	21-13740B73	1000 pF	R2551	06-80194M15
C2538	21-13741B69	.1 uF	R2570	06-11086D01
C2539		not used	R2571	06-11077A44
C2540	21-13740B09	2.2 +/25 pF	R2572	06-05621T02
C2541	21-13740B31	18 pF	R2573	06-11077B11
C2542			R2574	
	21-13740B21	6.8 +/25 pF		06-11077A80
C2543	21-13740B29	15 pF_	R2575	06-11077A26
C2547	21-13740B49	100 pF		
C2548	21-11032B15	.22 uF +80/-20%	Non-reference	ed items
C2549	21-13740B49	100 pF		
C2550		not used		26-80158L01
C2551	21-13740B29	15 pF		29-80014A03
C2552		not used		
C2553	21-13740B49	100 pF		
C2554		· _	Note: For one	timum performance
C2555	21-13740B49	100 pF		
	21-13740B49	100 pF	regrated circ	uits must be ordered
C2560	21-13740B19	5.6 +/25 pF	40/04/00	
C2561	21-13740B22	7.5 +/25 pF	12/31/92	
C2562	21-13740B22	7.5 +/25 pF		
C2563	21-13740B15	3.9 +/25 pF		
C2564	21-13740B49	100 pF		
C2570	21-13740B36	30 pF		
C2574				
C2574 C2575	21-13740B36	30 pF		
	08-11051A17	poly .47 uF 63V		
C2576	21-13740B49	100 pF_		
C2577	21-13740B73	1000 pF		
C2578	21-13741B69	.1 uF		
C2579	21-13740B36	30 pF		
C2580	21-13740B49	100 pF		
Diodes (see no		100 pr		
	•	- W		
CR2550	48-80010E01	silicon PIN UM9401		
CR2551	48-80010E01	silicon PIN UM9401		
CR2570	48-80236E07	transient suppressor diode		
Ferrite Beads				
E2520	24-84657R01	ferrite bead		
Coils				
L2510	24-11030E01	1/2 turn BRN		
L2511	24-11030B04	1-1/2 turns YEL		
		1-1/E WIII3 I LL		
	24-11020500	1/2 turn DED		
L2512	24-11030E02	1/2 turn RED		
L2512 L2513	24-11030B01	1-1/2 turns BRN		
L2512 L2513 L2515	24-11030B01 24-80036A01	1-1/2 turns BRN ferrite bead 1/2 turn		
L2512 L2513	24-11030B01	1-1/2 turns BRN ferrite bead 1/2 turn 1/2 turn BRN		

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	items	
	01-80556B01	6-wire cable assembly (in- cludes P7)
	01-80634B01	feedthru bracket assembly (includes C2501 through C2506, 470 pF feedthru capacitors, 6 used)

HLN8268A PA Hardware Kit, 438-470 MHz, 1-10 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chip	, 5%, 50V	
C2533 C2534	21-13740B31 21-13740B31	18 pF 18 pF
Connector, recep	otacle	
J1 J2	09-80131M01 09-80255E01	mini UHF coax power (includes feedthru)
Connector, plug		
P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138M07	plug coaxial cable 150 mm with plug
Non-referenced i	items	
	02-0007003 03-10943M10 03-10943M11 04-00131974 04-05587G01 04-80943V01 26-80124L01 26-80223M07 26-80514C01 26-80551C01 32-80014N03	nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (6 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield filter shield antenna connector shield gasket, accessory connector

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

12/31/92

PL-921027-O

DEFEDENCE	MOTOROLA	DECODIBLION	L2614	24-80036A01	1-1/2 turns BRN ferrite bead 1/2 turn
REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION	L2620 L2621	24-11030E01	1/2 turn BRN not used
			L2622	24-82723H44	.039 uH
Capacitor, chip,	5%, 50V unless	otherwise indicated.	L2630	24-11030A03	4 turns YEL
20610	04 40740040	100 - 5	L2631	24-80036A01	ferrite bead 1/2 turn
C2610 C2611	21-13740B49	100 pF	L2632	24-80030A06	7 turns VIO
2612	21-13740B27 21-13740B29	12 pF 15 pF	L2640 L2641	24-80036A01	ferrite bead 1/2 turn
C2613	21-13740B73	1000 pF	L2641 L2642	24-11030A03 24-11030A02	4 turns YEL 3 turns ORG
2614	21-13740B73	1000 pF	L2643	24-11030A02 24-11030E05	1/2 turn GRN
2615	21-13740B21	6.8 +/25 pF	L2650	24-82723H40	.29 uH
2616	21-13741B69	.1 uF	L2651	24-11030B05	2 1/2 turns GRN
C2617	21-13740B36	30 pF	L2652	24-82723H40	.29 uH
2618	21-13740B49	100 pF	L2653	24-11030B11	6-1/2 turns ORN
2619 2620	21-13740B31	not used	L2660	24-11030B04	1-1/2 turns YEL
D2621	21-13740B34	18 pF 24 pF	L2661 L2662	24-11030B06	2-1/2 turns BLU
2622	21-107-1000-1	not used	L2663	24-11030B06 24-11030B11	2-1/2 turns BLU 6-1/2 turns ORN
2623		not used	L2670	24-82723H46	.2 uH
2626	21-13740B49	100 pF	L2671	24-84346A02	.23 uH
2627	21-13740B73	1000 pF	— •·	2101010102	.20 011
2628	21-11032B15	.22 uF +80/-20%	Transistors ((see note)	
2629	21-13740B36	30 pF	_	•	
C2630	21-13740B37	33 pF	Q2610	48-82233P39	NPN; type MRF559
2631	21-11078B23	24 pF 100V	Q2620	48-80225C09	NPN; type MRF630
02632 02636	21-11078B23	24 pF 100V	Dealate 1	-i- FOV 4/40 ··	alaaa alkaa da da ay ay ay
2030 22637	21-13740B49 21-13740B73	100 pF 1000 pF	mesistors, ch	пр, 5%, 1/10 watt, u	nless otherwise indicated.
2638	21-13741B69	.1 uF	R2610	06-11077A60	270
2639	08-11051A17	poly .47 uF 63V	R2611	06-11077A58	220
2640	21-80060M33	39 pF 500V	R2612	06-11077A52	120
2645	21-80060M25	18 pF 500V	R2613	06-11077A40	39
2646	21-80060M19	10 pF 500V	R2614	06-11077A40	39
2647	21-80060M31	33 pF 500V	R2620	06-11077A26	10
2648	21-11032B15	.22 uF +80/-20%	R2640		not used
2649 2650	21-13740B49	100 pF	R2650	06-11009A39	390 1/4 watt
2651	21-80060M20	11 pF 500V	R2651	06-11077A66	470
2652	21-13740B09 21-13740B17	2.2 +/25 pF 4.7 +/25 pF	R2652 R2653	06-11077A66	470
2653	21-13740B49	100 pF	R2670	06-11077A50 06-80147M01	100 metal plate .05 10% 2 watt
2654	21-13740B49	100 pF	R2671	06-11077A40	39
2655	21-13740B49	100 pF	R2672	06-05621T02	thermistor 50k
2660	21-80060M17	9 +/5 pF 500V	R2673	06-11077B11	33k
2661	21-80060M19	10 pF 500V	R2674	06-11077A76	1.2k
2662	21-80060M17	9 +/5 pF 500V	R2675	06-11077A26	10
2663	21-80060M11	6 +/5 pF 500V			
2664 2670	21-80060M43	100 pF 500V	Non-reference	ced items	
	21-13740B36	30 pF		06 001501 04	h
2671 2672	21-13740B36 21-13740B73	30 pF 1000 pF		26-80158L01	heat sink (for Q2620)
2673	21-13740B/3 21-13741B69	.1 uF		29-80014A03	clip coax terminal (2 used)
2674	21-13740B36	30 pF	Note: For on	timum nerformanos	, diodes, transistors, and in-
2675	08-11051A17	.47 uF 63V	tegrated circ	uits must be ordere	d by Motorola part numbers.
2676	21-13740B36	30 pF	g. atou one	and made be didele	a by Motorola part numbers.
2677	21-13740B73	1000 pF	8/20/92		PL-921017-/
2678	21-13741B69	.1 uF			= == := :: .
	21-13740B36	30 pF			
	21-13740B36 21-13740B36	30 pF 30 pF			
2680	21-13740B36				
2680 iodes (see note	21-13740B36 e)	30 pF			
2680 iodes (see note R2650	21-13740B36 e) 48-80010E01	30 pF silicon PIN			
:680 odes (see note 12650 12651	21-13740B36 e)	30 pF silicon PIN silicon PIN			
2680 iodes (see note R2650 R2651 R2670	21-13740B36 e) 48-80010E01 48-80010E01	30 pF silicon PIN			
2679 2680 iodes (see note R2650 R2651 R2670 errite Beads	21-13740B36 e) 48-80010E01 48-80010E01 48-80236E07	30 pF silicon PIN silicon PIN transient suppressor diode			
2680 iodes (see note R2650 R2651 R2670 errite Beads 2620	21-13740B36 9) 48-80010E01 48-80010E01 48-80236E07 76-83960B01	30 pF silicon PIN silicon PIN transient suppressor diode ferrite bead 1/2 turn			
2680 odes (see note R2650 R2651 R2670 orrite Beads 2620	21-13740B36 8) 48-80010E01 48-80010E01 48-80236E07 76-83960B01 76-83960B01	30 pF silicon PIN silicon PIN transient suppressor diode ferrite bead 1/2 turn ferrite bead 1/2 turn			
2680 iodes (see note R2650 R2651 R2670 errite Beads 2620 2670	21-13740B36 9) 48-80010E01 48-80010E01 48-80236E07 76-83960B01	30 pF silicon PIN silicon PIN transient suppressor diode ferrite bead 1/2 turn			
2680 iodes (see note R2650 R2651 R2670 errite Beads 2620 2670 2671	21-13740B36 8) 48-80010E01 48-80010E01 48-80236E07 76-83960B01 76-83960B01	30 pF silicon PIN silicon PIN transient suppressor diode ferrite bead 1/2 turn ferrite bead 1/2 turn			
2680 iodes (see note R2650 R2651 R2670 errite Beads 2620 2670 2671 oils	21-13740B36 a) 48-80010E01 48-80010E01 48-80236E07 76-83960B01 76-83960B01 76-83960B01 24-11030E01	silicon PIN silicon PIN transient suppressor diode ferrite bead 1/2 turn ferrite bead 1/2 turn ferrite bead 1/2 turn			
2680 iodes (see note R2650 R2651 R2670 errite Beads 2620 2670	21-13740B36 2) 48-80010E01 48-80010E01 48-80236E07 76-83960B01 76-83960B01 76-83960B01	silicon PIN silicon PIN transient suppressor diode ferrite bead 1/2 turn ferrite bead 1/2 turn ferrite bead 1/2 turn			

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	items	
	01-80556B01	6-wire cable assembly (includes P7)
	01-80634B01	feedthru bracket assembly (includes C2601 through C2606, 470 pF feedthru capacitors, 6 used)

HLN8068A PA Hardware Kit, 438-470 MHz, 10-25 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chip		
C2641 C2642 C2643 C2644	21-80060M34 21-80060M34 21-80060M33 21-80060M33	43 pF 500V 43 pF 500V 39 pF 500V 39 pF 500V
Connector, rece	ptacle	
J1 J2	09-80131M01 09-80255E01	mini UHF coax power (includes feedthru)
Connector, plug		
P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138 M07	coaxial cable 150 mm with plug
Transistors		
Q2630 Q2640	48-80225C19 48-84411L07	NPN; type MRF654 NPN; type M1107
Non-referenced i	items	
	02-0007003 03-10943M10 03-10943M11 04-00131974 04-05587G01 04-80943V01 26-80124L01 26-80223M07 32-80014N03 42-80281L01 42-80520B01	nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2) washer nylon (for J2) lockwasher (for J1) heat sink PA shield gasket, accessory connector ground clip (2 used for Q2640) ground clip, pc board (2 used)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

8/20/92

PL-921018-A

REFERENCE	MOTOROLA	DESCRIPTION	Ferrite Beads		
NUMBER	PART NO.		- E2720	76-83960B01	ferrite bead 1/2 turn
Capacitor, chip	, 5%, 50V unless o	otherwise indicated.	E2770 E2771	76-83960B01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn
C2710	21-13740B49	100 pF	<u></u>		
C2711	21-13740B27	12 pF	Coils		
C2712	21-13740B29	15 pF			
C2713	21-13740B73	1000 pF	L2710	24-11030E01	1/2 turn BRN
C2714	21-13740B73	1000 pF	L2711	24-11030B04	1-1/2 turns YEL
C2715	21-13740B21	6.8 +/25 pF	L2712	24-11030E03	1/2 turn ORN
C2716	21-13741B69	.1 uF	L2713	24-11030B01	1-1/2 turns BRN
C2717	21-13740B36	30 pF	L2714	24-80036A01	ferrite bead 1/2 turn
C2718	21-13740B49	100 pF	L2720	24-11030E01	1/2 turn BRN
C2719		not used	L2721		not used
C2720	21-13740B31	18 pF	L2722	24-82723H44	39 nH
C2721	21-13740B34	24 pF	L2730	24-11030D03	4 turns YEL
C2722	21 10/10001	not used	L2731	24-80036A01	ferrite bead 1/2 turn
C2723		not used	L2732	24-11030A06	7 turns VIO
C2724		not used	L2740	24-11030D03	4 turns YEL
C2725		not used	L2741	24-80036A01	ferrite bead 1/2 turn
C2726	21-13740B49	100 pF	L2742	24-80908T17	2-1/2 turns RED
		•	L2743	24-80908T01	1-1/2 turns RED
C2727	21-13740B73	1000 pF	L2750	24-82723H40	.29 uH
C2728	21-11032B15	.22 uF +80/-20%	L2751	24-11030B04	1-1/2 turns YEL
C2729	21-13740B36	30 pF			.29 uH
C2730	21-13740B37	33 pF	L2752	24-82723H40	not used
C2731	21-11078B23	24 pF 100V	L2753	04 00000706	
C2732	21-11078B23	24 pF 100V	L2760	24-80908T06	1-1/2 turns GRN
C2733		not used	L2761	24-80908T10	1-1/2 turns GRN
C2734		not used	L2762	24-80908T10	1-1/2 turns GRN
C2735		not used	L2763	24-11030B11	6-1/2 turns ORN
C2736	21-13740B49	100 pF	L2770	24-82723H46	.2 uH
C2737	21-13740B73	1000 pF	L2771	24-84346A02	.23 uH
C2738	21-13741B69	.1 uF			
C2739	08-11051A17	poly .47 uF 63V	Transistors (se	e note)	
C2740	21-11078B31	36 pF 100V			
C2745	21-80060M11	6 +/25 pF 500V	Q2710	48-82233P39	NPN; type MRF559
C2746	21-80060M09	5 +/25 pF 500V	Q2720	48-80225C09	NPN; type MRF630
C2747	21-80060M43	100 pF 500V			
C2748	21-11032B15	.22 uF +80/-20%	Resistors, chip	o, 5%, 1/10 watt, u	nless otherwise indicated.
C2749	21-13740B49	100 pF			
C2750	21-80060M20	11 pF 500V	R2710	06-11077A60	270
C2751	_, , , , , , , , , , , , , , , , , , ,	not used	R2711	06-11077A58	220
C2752	21-13740B19	5.6 +/25 pF	R2712	06-11077A52	120
C2753	21-13740B49	100 pF	R2713	06-11077A40	39
C2754	21-13740B65	470 pF	R2714	06-11077A40	39
C2755	Z1-10/-10000	not used	R2720	06-11077A26	10
C2756	21-80060M11	6 +/25 pF 500V	R2721	**	not used
C2757			R2722		not used
C2758	21-80060M09	5 +/25 pF 500V	R2723		not used
	04 000001445	not used	R2740		not used
C2760	21-80060M15	8 +/25 pF 500V	R2741		not used
C2761	21-80060M19	10 pF 500V	R2750	06-80194M15	39 1 watt
C2762	21-80060M19	10 pF 500V	R2751	06-80194M15	39 1 watt
C2763	21-80060M10	5.5 +/25 pF 500V		06-80147M02	metal plate .01 10% 2 watt
C2764	21-80060M43	100 pF 100V	R2770		12
C2765	23-11048A17	lytic 35 uF 20% 25V	R2771	06-11077A28	
C2768		not used	R2772	06-05621T02	thermistor 50k
C2770	21-13740B36	30 pF	R2773	06-11077B11	33k
C2771	21-13740B36	30 pF	R2774	06-11077A76	1.2k
C2772	21-13740B73	1000 pF	R2775		not used
C2773	21-13741B69	.1 uF			
C2774	21-13740B36	30 pF	Non-reference	ed items	
C2775	08-11051A17	poly .47 uF 63V			
C2776	21-13740B36	30 pF		26-80158L01	heat sink (for Q2720)
C2777	21-13740B73	1000 pF		26-80275M01	heat sink (2 used for
C2778	21-13741B69	.1 uF			CR2750 and CR2751)
C2779	21-13740B36	30 pF		29-80014A03	clip coax terminal (2 used)
C2780	21-13740B36	30 pF			
C2781	£ 1-13/ 1 0000		Note: For opti	mum performance	e, diodes, transistors, and in-
C2781 C2782		not used not used			ed by Motorola part numbers
Diodes (see no	ote)		9/14/92		PL-921032
,	•	-W DM 1 1 1 4 0 4 0 4			
CR2750 CR2751	48-80010E01 48-80010E01	silicon PIN UM9401 silicon PIN UM9401			
	TU-UVU IUEU I				

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	items	
	01-80556B01	6-wire cable assembly (includes P7)
	01-80634B01	feedthru bracket assembly (includes C2701 through C2706, 470 pF feedthru capacitors, 6 used)

HLN8272A PA Hardware Kit, 438-470 MHz, 25-40 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chip)	
C2741 C2742 C2743 C2744 C2766 C2767	21-11078B35 21-11078B35 21-11078B21 21-11078B21 21-11078B21 21-11078B21	51 pF 100V 51 pF 100V 20 pF 100V 20 pF 100V 20 pF 100V 20 pF 100V
Connector, rece	ptacle	
J1 J2	09-80131M01 09-80255E01	mini UHF coax power (includes feedthru)
Connector, plug		
P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138M07	coaxial cable 150 mm with plug
Transistors		
Q2730 Q2740	48-80225C19 48-80225C24	NPN; type MRF654 NPN; type MRF650
Non-referenced	items	
	02-00007003 03-10943M10 03-10943M11 04-00131974	nut 8-32x5/16x1/8 (for J1) screw M3x.5x8 (8 used) screw M3x.5x10 (2 used for J2) washer (2 used for J2)
	04-05587G01	washer nylon (for J2)
	04-80943V01	lockwasher (for J1)
	26-80124L01 26-80223M07	heat sink PA shield
	32-80014N03	gasket, accessory connector
	42-80281L01	ground clip (2 used for Q2740)
	42-80520B01	ground clip, pc board (2 used)

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

9/14/92

PL-921033-O

REFERENCE NUMBER Capacitor, chip	MOTOROLA PART NO.	DESCRIPTION	Ferrite Beads		
Capacitor, chip			E2720	76-83960B01	ferrite bead 1/2 turn
	, - ,	otherwise indicated.	E2770 E2771	76-83960B01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn
2710	21-13740B49	100 pF	.		
2711	21-13740B27	12 pF	Coils		
C2712	21-13740B32	20 pF_	1.0740	04.44000504	1/0 torres DDNI
C2713	21-13740B49	100 pF	L2710	24-11030E01	1/2 turn BRN
C2714	21-13740B49	100 pF	L2711	24-11030B02	1-1/2 turns RED
C2715	21-13740B14	3.6 +/25 pF	L2712	24-11030E02	1/2 turn RED
C2716	21-13741B69	.1 uF	L2713	24-11030B01 24-80036A01	1-1/2 turns BRN ferrite bead 1/2 turn
C2717	21-13740B36	30 pF	L2714 L2720	24-11030E03	1/2 turn ORN
C2718	21-13740B49	100 pF	L2721	24-11030203	not used
C2719 C2720	21-13740B73	1000 pF	L2722	24-82723H44	39 nH
C2720 C2721	21-13740B33	22 pF 30 pF 100V	L2730	24-11030A03	4 turns YEL
C2721	21-11078B27 21-11078B09	6.8 +/25 pF 100V	L2731	24-80036A01	ferrite bead 1/2 turn
C2723	21-110/0009	not used	L2732	24-11030A03	4 turns YEL
C2724		not used	L2733	24-80036A01	ferrite bead 1/2 turn
C2725	23-11048B13	lytic 10 uF 20% 16V	L2740	24-11030A03	4 turns YEL
C2726	21-13740B49	100 pF	L2741	24-80036A01	ferrite bead 1/2 turn
C2727	21-13740B73	1000 pF	L2742	24-80908T12	1-1/2 turns GRN
C2728	21-11032B15	.22 uF +80/-20%	L2743		jumper
C2729	21-13740B36	30 pF	L2750	24-82723H40	.29 uH
C2730	21-110740B00	27 pF 100V	L2751	24-11030B05	2-1/2 turns GRN
C2731	21-11078B21	20 pF 100V	L2752	24-82723H40	.29 uH
C2732	21-11078B21	20 pF 100V	L2753		not used
C2733	21-13740B36	30 pF	L2760	24-80908T08	1-1/2 turns GRN
C2734	21 101 10200	not used	L2761	24-80908T09	1-1/2 turns RED
C2735		not used	L2762	24-80908T08	1-1/2 turns GRN
C2736	21-13740B49	100 pF	L2763	24-11030B11	6-1/2 turns ORN
C2737	21-13740B73	1000 pF	L2770	24-82723H46	.2 uH
C2738	21-11032B15	.22 uF +80/-20%	L2771	24-84346A02	.23 uH
C2739	23-11048A17	lytic 33 uF 20% 25V			
C2740	21-11078B31	36 pF 100V	Transistors (se	ee note)	
C2745	21-80060M09	5 +/25 pF 500V			
C2746		not used	Q2710	48-82233P39	NPN; type MRF559
C2747	21-80060M21	12 pF 500V	Q2720	48-80225C09	NPN; type MRF630
C2748	21-11032B15	.22 uF +80/-20%	-		
C2749	21-13740B49	100 pF	Resistors, chip	o, 5%, 1/10 watt, ui	nless otherwise indicated.
C2750	21-80060M13	7 +/25 pF 500V	50740	00 11077800	070
C2751	21-13740B11	2.7 +/25 pF	R2710	06-11077A60	270
C2752		not used	R2711	06-11077A58	220
C2753	21-13740B22	7.5 +/25 pF	R2712	06-11077A52 06-11077A40	120
C2754	21-13740B49	100 pF	R2713		39 39
C2755		not used	R2714	06-11077A40	= =
C2756	21-80060M09	5 +/25 pF 500V	R2720 R2721	06-11077A26	10 not used
C2757	21-80060M07	4 +/25 pF 500V	R2721 R2722		not used not used
C2758	21-13740B73	1000 pF	R2723	06-11077A26	10 useu
C2760	21-80060M12	6.5 +/25 pF 500V	R2740	06-11077A26	10
C2761	21-80060M14	7.5 +/25 pF 500V	R2740	00-110/17A20	not used
C2762 C2763	21-80060M14	7.5 +/25 pF 500V	R2750	06-80194M15	39 1 watt
	21-80060M09	5 +/25 pF 500V 100 pF 100V	R2751	06-80194M15	39 1 watt
C2764 C2765	21-80060M43	not used	R2770	06-80147M02	metal plate .01 10% 2 wa
C2768		not used	R2771	06-11077A26	10
C2708 C2770	21-13740B36	30 pF	R2772	06-05621T02	thermistor 50k
C2770 C2771	21-13740B36	30 pF	R2773	06-11077B11	33k
C2772	21-13740B73	1000 pF	R2774	06-11077A76	1.2k
C2773	21-13741B69	.1 uF	R2775		not used
C2774	21-13740B36	30 pF			
C2775	23-11048A17	lytic 33 uF 20% 25V	Non-reference	ed items	
C2776	21-13740B36	30 pF			
C2777	21-13740B73	1000 pF		26-80158L01	heat sink (for Q2720)
C2778	21-13741B69	.1 uF		26-80275M01	heat sink (2 used for
C2779	21-11032B15	.22 uF +80/-20%			CR2750 and CR2751)
C2780	21-13740B36	30 pF		29-80014A03	clip coax terminal (2 use
C2781	21-11032B15	.22 uF +80/-20%			
C2782	21-13740B49	100 pF	Note: For opti	mum performance	e, diodes, transistors, and i
		•	tegrated circu	its must be ordere	d by Motorola part numbe

CR2750 CR2751 CR2752 48-80010E01 48-80010E01 silicon PIN UM9401 silicon PIN UM9401

not used

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	l items	
	01-80556B01	6-wire cable assembly (includes P7)
	01-80634B01	feedthru bracket assembly (includes C2701 through C2706, 470 pF feedthru capacitors, 6 used)

HLN8286A PA Hardware Kit, 465-495 MHz, 25/40 Watt

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Capacitors, chip		
C2741 C2742 C2743 C2744 C2766 C2767 C2784	21-11078B35 21-11078B35 21-11078B25 21-11078B25	51 pF 100V 51 pF 100V 27 pF 100V 27 pF 100V not used not used
Connector, recep	otacle	
J1 J2	09-80131M01 09-80255E01	mini UHF coax power (includes feedthru)
Connector, plug		

P4	30-80138M08	coaxial cable 200 mm with
P5	30-80138M07	plug coaxial cable 150 mm with plug

Transistors

Q2730	48-80225C19	NPN; type MRF654
Q2740	48-80225C24	NPN; type MRF650

Resistor, chip, 5%, 1/10 watt

R2724 not used

Non-referenced items

02-00007003	nut 8-32x5/16x1/8 (for J1)
03-10943M10	screw M3x.5x8 (8 used)
03-10943M11	screw M3x.5x10 (2 used for J2)
04-00131974	washer (2 used for J2)
04-05587G01	washer nylon (for J2)
04-80943V01	lockwasher (for J1)
26-80124L01	heat sink
26-80223M07	PA shield
32-80014N03	gasket, accessory connector
42-80281L01	ground clip (2 used for Q2740)
42-80520B01	ground clip, pc board (2 used)
42-80915V01	ground clip, pc board

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

11/25/92

PL-921038-O

HLE8269A PA Board, 490-520 MHz, 25/35 Watt			– <u> </u>		transient suppressor diode
REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION	Ferrite Beads		
			E2720	76-83960B01	ferrite bead 1/2 turn
Sapacitor, chip	o, 5%, 50V unless	otherwise indicated.	E2770 E2771	76-83960B01 76-83960B01	ferrite bead 1/2 turn ferrite bead 1/2 turn
C2710	21-13740B49	100 pF	LL//I	70 00000000	Torrito boda 1/E tarri
2711	21-13740B24	9.1 +/25 pF	Coils		
2712	21-13740B32	20 pF			
2713	21-13740B49	100 pF	L2710	24-11030E01	1/2 turn BRN
C2714	21-13740B49	100 pF	L2711	24-11030B04	1-1/2 turns YEL
C2715	21-13740B17	4.7 +/25 pF	L2712 L2713	24-11030E03 24-11030B04	1/2 turn ORN 1-1/2 turns YEL
C2716	21-13741B69	.1 uF	L2714	24-80036A01	ferrite bead 1/2 turn
C2717 C2718	21-13740B49 21-13740B49	100 pF 100 pF	L2720	24-11030E05	1/2 turn GRN
C2719	21-13740B73	1000 pF	L2721	2	not used
C2720	21-13740B31	18 pF	L2722	24-82723H44	.039 uH
C2721	21-11078B27	30 pF 100V	L2730	24-11030A03	4 turns YEL
C2722	21-11078B07	5.6 +/25 pF 100V	L2731	24-80036A01	ferrite bead 1/2 turn
C2723		not used	L2732	24-11030A03	4 turns YEL
C2724		not used	L2733	24-80036A01	ferrite bead 1/2 turn
C2725	23-11048B05	lytic 1 uF 20% 50V	L2740	24-80036A01	ferrite bead 1/2 turn
C2726	21-13740B49	100 pF	L2741	24-11030A02	3 turns ORN 1-1/2 turns RED
C2727 C2728	21-13740B73 21-11032B15	1000 pF .22 uF +80/-20%	L2742 L2743	24-80908T11	jumper wire
C2728 C2729	21-13740B36	30 pF	L2750	24-82723H40	.29 uH
C2730	21-11078B31	36 pF 100V	L2751	24-11030B04	1-1/2 turns YEL
C2731	21-11078B22	22 pF 100V	L2752	24-82723H40	.29 uH
C2732	21-11078B16	13 pF 100V	L2753		not used
C2733	21-13740B36	30 pF	L2760	24-80908T08	1-1/2 turns GRN
C2734		not used	L2761	24-80908T09	1-1/2 turns RED
C2735		not used	L2762	24-80908T08	1-1/2 turns GRN
C2736	21-13740B49	100 pF_	L2763	24-11030B11	6-1/2 turns ORN
C2737	21-13740B73	1000 pF	L2770	24-82723H46	.2 uH
C2738	21-11032B15	.22 uF +80/-20%	L2771	24-84346A02	.23 uH
C2739 C2740	23-11048A17	lytic 33 uF 20% 25V 30 pF 100V	Transistors (s	ee note)	
C2740 C2745	21-11078B27 21-80060M05	3 +/25 pF 500V	114110101010 (0	00 11010)	
C2746	21-80060M05	3 +/25 pF 500V	Q2710	48-82233P39	NPN; type MRF559
C2747	21-80060M21	12 pF 500V	Q2720	48-80225C09	NPN; type MRF630
C2748	21-13740B73	1000 pF			
C2749	21-13740B49	100 pF	Resistors, chi	p, 5%, 1/10 watt, ui	nless otherwise indicated.
C2750	21-80060M13	7 +/25 pF 500V			
C2751	21-13740B07	1.8 +/25 pF	R2710	06-11077A60	270
C2752		not used	R2711	06-11077A58	220 120
C2753	21-13740B21	6.8 +/25 pF	R2712	06-11077A52	39
C2754	21-13740B49	100 pF	R2713 R2714	06-11077A40 06-11077A40	39
C2755	04 000001405	not used	R2720	06-11077A-0	10
C2756 C2757	21-80060M05 21-80060M05	3 +/25 pF 500V 3 +/25 pF 500V	R2721	00-110/7/20	not used
C2757 C2758	21-11032B15	.22 uF +80/-20%	R2722		not used
C2760	21-80060M11	6 +/25 pF 500V	R2723	06-11077A26	10
C2761	21-80060M13	7 +/25 pF 500V	R2740		not used
C2762	21-80060M13	7 +/25 pF 500V	R2741	06-11009B26	2.7 1/4 watt FCF
C2763	21-80060M09	5 +/25 pF 500V	R2750	06-80194M15	39 1 watt
C2764	21-80060M43	100 pF 100V	R2751	06-80194M15	39 1 watt
C2765	23-11048A17	lytic 33 uF 20% 25V	R2770	06-80147M02	metal plate .01 10% 2 was
C2768	23-11048B05	lytic 1 uF 20% 50V	R2771	06-11077A26	10
C2770	21-13740B36	30 pF	R2772	06-05621T02	thermistor 50k
C2771	21-13740B36	30 pF _	R2773	06-11077B11	33k
C2772	21-13740873	1000 pF	R2774 R2775	06-11077A76	1.2k not used
C2773	21-13741B69	.1 uF	n2//3		not used
C2774 C2775	21-13740B36	30 pF poly .47 uF 63V	Non-reference	ed items	
C2776	08-11051A17 21-13740B36	30 pF		······	
C2776 C2777	21-13740B73	30 рг 1000 pF		26-80158L01	heat sink (for Q2720)
C2778	21-13741B69	.1 uF		26-80275M01	heat sink (2 used for
C2779	21-11032B15	.22 uF +80/-20%		_	CR2750 and CR2751)
C2780	21-13740B36	30 pF		29-80014A03	clip coax terminal (2 used
C2781	21-11032B15	.22 uF +80/-20%			
C2782	21-13740B49	100 pF			e, diodes, transistors, and in ed by Motorola part number
Diodes (see note)			11/25/92	and much be didele	PL-92102
CR2750	48-80010E01	silicon PIN UM9401	11/23/92		FL-92102
CR2750 CR2751	48-80010E01	silicon PIN UM9401			

REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION
Non-referenced	d items	
	01-80556B01	6-wire cable assembly (includes P7)
	01-80634B01	feedthru bracket assembly (includes C2701 through C2706, 470 pF feedthru capacitors, 6 used)

HLN8270A PA Hardware Kit, 490-520 MHz, 25/35 Watt

TIENOZ/OATATI	aldwale Nit, 450	-320 Wil 12, 23/33 VVall				
REFERENCE NUMBER	MOTOROLA PART NO.	DESCRIPTION				
Capacitors, chip						
C2741	21-11078B34	47 pF 100V				
C2742	21-11078B34	47 pF 100V				
C2743	21-11078B27	30 pF 100V				
C2744	21-11078B27	30 pF 100V				
C2766		not used				
C2767		not used				
C2784	21-11078B16	13 pF 100V				
Connector, rece	ptacle					
J1	09-80131M01	mini UHF coax				
J2	09-80255E01	power (includes feedthru)				
		power (merades recalling)				
Connector, plug						
P4	30-80138M08	coaxial cable 200 mm with				
P5	30-80138M07	coaxial cable 150 mm with plug				
Transistors						
Q2730	48-80225C19	NPN; type MRF654				
Q2740	48-80225C24	NPN; type MRF650				
Resistor, chip, 5%, 1/10 watt						
R2724	06-11077A36	27				
Non-referenced items						
	02-00007003	nut 8-32x5/16x1/8 (for J1)				
	03-10943M10	screw M3x.5x8 (8 used)				
	03-10943M11	screw M3x.5x10 (2 used for J2)				
	04-00131974	washer (2 used for J2)				
	04-05587G01	washer nylon (for J2)				
	04-80943V01	lockwasher (for J1)				
	26-80124L01	heat sink				
	26-80223M07	PA shield				
	32-80014N03	gasket, accessory connector				
	42-80281L01	ground clip (2 used for Q2740)				
	42-80520801	ground clip, pc board (2 used)				
	42-80915V01	ground clip, pc board				

Note: For optimum performance, diodes, transistors, and integrated circuits must be ordered by Motorola part numbers.

11/25/92

PL-921024-O