

PART NUMBER	PART DESCRIPTION	QPA	REFERENCE DESIGNATOR	MPN
124-01426-0397	RF SWITCH	3	U10, U12, U16	SW-397TR
124-10109-0000	RF SWITCH	3	U5, U9, U11	UPG152TA-E3
127-03737-0002	RF MIXER	1	U20	SLM-190S
129-10107-0916	RF TRANSISTOR	1	U14	MRFIC0916
138-06542-0010	ISOLATOR	1	U4	CE0731R88DCB001
160-01261-1664	NPN TRANSISTOR	2	Q28, Q62	2SD1664
160-04187-0002	SWITCHING TRANSISTOR	1	Q56	UMH6NTR
160-04193-0000	NPN TRANSISTOR	4	Q17, Q19, Q37, Q70	2SC4617TLQ
160-04194-0000	SWITCHING TRANSISTOR	2	Q3, Q14	2SA1774TLQ
160-08032-0025	SWITCHING TRANSISTOR	12	Q11, Q18, Q21, Q33, Q34, Q36, Q39, Q45, Q46, Q47, Q64, Q68	DTC124EETL
160-08032-0026	SWITCHING TRANSISTOR	7	Q32, Q38, Q41, Q42, Q43, Q60, Q66	UMC4NTR
160-08032-0027	SWITCHING TRANSISTOR	1	Q27	DTC144EE
160-08032-0035	SWITCHING TRANSISTOR	5	Q1, Q4, Q5, Q26,	UMC5NTR
160-08166-0004	SWITCHING TRANSISTOR	3	Q9-Q10, Q52	UMT1N
160-08212-0003	SWITCHING TRANSISTOR	1	Q25	UMG2N
160-08212-0006	SWITCHING TRANSISTOR	1	Q20	UMG4N
160-08212-0114	SWITCHING TRANSISTOR	1	Q58	UMD3N
160-10034-0000	RF TRANSISTOR	4	Q2, Q13, Q23, Q24	BFP420
160-10034-0001	RF TRANSISTOR	1	Q8	BFP450
160-10106-0340	RF TRANSISTOR	1	Q7	NE34018-T1
160-10151-4986	SWITCHING TRANSISTOR	1	Q29	RN4986
161-03701-0000	RF TRANSISTOR	1	Q12	NE85619-T1
161-03751-0000	RF TRANSISTOR	1	Q15	NE68819
162-10000-2035	SWITCHING FET	2	Q22, Q30	2SK2035TE85L
162-14002-0000	SWITCHING FET	1	Q35	2SK1830TE85L
163-10052-6963	SWITCHING FET	2	Q6, Q54	SI6963DQ-T1
163-10100-2803	SWITCHING FET	1	Q48	IRLML2803
201-04198-4051	MULTIPLEXER	1	U32	TC74HC4051AFS-EL
220-03646-0004	CMOS LOGIC IC	1	U29	TC7SH04FU-TE85L
220-03825-0053	CMOS LOGIC IC	1	U34	TC4W53FUTE12L
220-03846-0000	CMOS LOGIC IC	1	U36	TC7S00FUTE85L
225-03607-0074	CMOS LOGIC IC	1	U25	TC7W74FU
270-10074-0000	SRAM	1	U37	M5M5V208KV-12LL#WT
272-14050-0001	EEPROM	1	U44	AT24C128W-10SI2.7V
281-03726-0033	VOLTAGE REGULATOR	1	U33	MIC5205-3.3BM5
281-03726-0040	VOLTAGE REGULATOR	1	U21	MIC5205-4.0BM5
281-04218-0000	NEGATIVE VOLTAGE GENERATOR	1	U2	MAX850ESA
281-05824-03R3	VOLTAGE REGULATOR	1	U22	MIC5203-3.3BM4
281-05824-03R6	VOLTAGE REGULATOR	2	U23, U26	MIC5203-3.6BM4

124-10109-0000	RF SWITCH	3	U5, U9, U11	UPG152TA-E3
281-05824-04R5	VOLTAGE REGULATOR	1	U1	MIC5203-4.5BM4
281-14060-0000	SWITCHING REGULATOR	1	U42	LTC1436IGN-PLL
281-17502-0000	VOLTAGE REGULATOR	1	U38	TPS7233QDR
282-03691-0755	OP AMP	2	U24, U28	TC75S51F
284-11049-2336	PLL IC	1	U19	LMX2336TMX
285-10005-0000	RF AMP AND MIXER IC	1	U3	SA611DK
287-03695-9802	SWITCHING FET	1	Q50	SI9802DY
288-02179-2712	RF TRANSISTOR	1	U15	UPC2712T
288-10046-0403	POWER AMPLIFIER	1	U6	UN00403
CD90-21884-3	BASEBAND AUDIO INTERFACE ASIC	1	U27	CD90-21884-3
CD90-22110-1	BASEBAND CONTROLLER ASIC	1	U35	CD90-22110-1
CD90-24050-1	TX AGC AMPLIFIER	1	U18	CD90-24050-1
CD90-24056-1	RX AGC AMPLIFIER	1	U17	CD90-24056-1
CV90-39918-1	RF MIXER	1	U7	CV90-39918-1
CV90-46147-2	VCTCXO	1	U31	CV90-46147-2
CV90-66001-3	POWER AMPLIFIER	1	U62	CV90-66001-3
CV90-66107-1	VCO, UHF DUALBAND	1	U13	CV90-66107-1

139-03718-0273	Diode, 1SV273	4	D1, D3, D5, D7	
140-01263-0355	Diode, 1SS355	3	D6, D16, D22	
140-06323-0017	HSMS-2825-L30	1	D4	
140-08280-0221	Diode, DA221	2	D12, D18	
140-08280-0222	Diode, DAN222	3	D10, D14, D20	
140-10060-0000	Diode, 1SS381	1	D9	
141-03858-0010	Diode, UDZ_10B	1	D2	
141-03858-0062	DIODE,ZENER 6.2V 200MW	1	D8	



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Revision History

Rev	DCR	Incorporated By	Date	Checker/Eng	Date	CM	Date	Rel Date
-	36444	-----	-----	-----	-----	-----	-----	05/22/98
A	36584	REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		05/29/98
B	36969	REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		06/12/98
C	38222	REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		07/17/98
D	38742	REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		REQ'D SIGNATURE ON FILE		08/05/98

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DRAWN BY	EMP #	DATE
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ENGINEERING	EMP #	DATE
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QA	EMP #	DATE
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COMPONENT ENG	EMP #	DATE
REQUIRED SIGNATURE ON FILE		
MANUFACTURING	EMP #	DATE
REQUIRED SIGNATURE ON FILE		
FINANCE	EMP #	DATE
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PROGRAM MANAGER	EMP #	DATE
REQUIRED SIGNATURE ON FILE		
REGULATORY	EMP #	DATE
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Cage: 1DN14

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1		1	25-46953-1	25-46953-1	PWB,MAIN,TGP(PROTO 13)DUAL BAND	1DN14		
50	R218	1	100-01011-1200	CRCW1206-121J	RES,CHIP THICK FILM 120 5% 1/8W +/-200PPM/C	91637	1206A	
52	R2, R21, R72, R103, R113, R217	6	100-04006-0000	MCR01MZSJX000	RES,CHIP THICK FILM 0.0 5% .063W +/-200PPM	65940	0402	
54	R151, R173, R232	3	100-04006-0100	MCR01MZSJX100	RES,CHIP THICK FILM 10 5% .063W +/-200PPM	65940	0402	
56	R8, R22, R44, R59, R86, R90, R92, R98, R104, R116, R144, R167	12	100-04006-0101	MCR01MZSJX101	RES,CHIP THICK FILM 100 5% .063W +/-200PPM	65940	0402	
58	R3, R5, R40, R42, R45, R60, R61, R63, R68, R70, R77, R89, R91, R109, R111, R119, R193	17	100-04006-0102	MCR01MZSJX102	RES,CHIP THICK FILM 1.0K 5% .063W +/-200PPM	65940	0402	
60	R49, R58, R62, R81, R85, R108, R125, R130, R133, R135, R139, R141, R143, R145, R146, R149, R160, R172, R185, R187, R190, R206, R209, R216, R223, R225, R231, R249, R251, R253, R255	31	100-04006-0103	MCR01MZSJX103	RES,CHIP THICK FILM 10K 5% .063W +/-200PPM	65940	0402	
62	R38, R166, R168, R171, R174, R214, R228, R230	8	100-04006-0104	MCR01MZSJX104	RES,CHIP THICK FILM 100K 5% .063W +/-200PPM	65940	0402	
64	R210	1	100-04006-0105	MCR01MZSJX105	RES,CHIP THICK FILM 1.0M 5% .063W +/-200PPM	65940	0402	
66	R154, R158, R169	3	100-04006-0112	MCR01MZSJX112	RES,CHIP THICK FILM 1.1K 5% .063W +/-200PPM	65940	0402	
68	R19	1	100-04006-0122	MCR01MZSJX122	RES,CHIP THICK FILM 1.2K 5% .063W +/-200PPM	65940	0402	
70	R1, R54	2	100-04006-0123	MCR01MZSJX123	RES,CHIP THICK FILM 12K 5% .063W +/-200PPM	65940	0402	
72	R162	1	100-04006-0124	MCR01MZSJX124	RES,CHIP THICK FILM 120K 5% .063W +/-200PPM	65940	0402	



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74	R56	1	100-04006-0133	MCR01MZSJX133	RES,CHIP THICK FILM 13K 5% .063W +/-200PPM	65940	0402	
76	R114	1	100-04006-0152	MCR01MZSJX152	RES,CHIP THICK FILM 1.5K 5% .063W +/-200PPM	65940	0402	
78	R25, R39, R74	3	100-04006-0153	MCR01MZSJX153	RES,CHIP THICK FILM 15K 5% .063W +/-200PPM	65940	0402	
80	R188	1	100-04006-0164	MCR01MZSJX164	RES,CHIP THICK FILM 160K 5% .063W +/-200PPM	65940	0402	
82	R27, R93, R95, R99	4	100-04006-0180	MCR01MZSJX180	RES,CHIP THICK FILM 18 5% .063W +/-200PPM	65940	0402	
84	R71, R75	2	100-04006-0181	MCR01MZSJX181	RES,CHIP THICK FILM 180 5% .063W +/-200PPM	65940	0402	
86	R110, R112, R147	3	100-04006-0182	MCR01MZSJX182	RES,CHIP THICK FILM 1.8K 5% .063W +/-200PPM	65940	0402	
88	R7, R208, R212	3	100-04006-0183	MCR01MZSJX183	RES,CHIP THICK FILM 18K 5% .063W +/-200PPM	65940	0402	
90	R6, R138	2	100-04006-0184	MCR01MZSJX184	RES,CHIP THICK FILM 180K 5% .063W +/-200PPM	65940	0402	
92	R30, R177, R189, R234	4	100-04006-0201	MCR01MZSJX201	RES,CHIP THICK FILM 200 5% .063W +/-200PPM	65940	0402	
94	R67, R175, R197	3	100-04006-0202	MCR01MZSJX202	RES,CHIP THICK FILM 2K 5% .063W +/-200PPM	65940	0402	
96	R73	1	100-04006-0203	MCR01MZSJX203	RES,CHIP THICK FILM 20K 5% .063W +/-200PPM	65940	0402	
98	R41, R82, R84, R88, R196, R204	6	100-04006-0220	MCR01MZSJX220	RES,CHIP THICK FILM 22 5% .063W +/-200PPM	65940	0402	
100	R10, R165	2	100-04006-0221	MCR01MZSJX221	RES,CHIP THICK FILM 220 5% .063W +/-200PPM	65940	0402	
102	R159, R205	2	100-04006-0222	MCR01MZSJX222	RES,CHIP THICK FILM 2.2K 5% .063W +/-200PPM	65940	0402	
104	R35, R52, R176, R178, R182, R194, R199, R229	8	100-04006-0223	MCR01MZSJX223	RES,CHIP THICK FILM 22K 5% .063W +/-200PPM	65940	0402	
106	R150	1	100-04006-0224	MCR01MZSJX224	RES,CHIP THICK FILM 220K 5% .063W +/-200PPM	65940	0402	



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110	R191	1	100-04006-0272	MCR01MZSJX272	RES,CHIP THICK FILM 2.7K 5% .063W +/-200PPM	65940	0402	
112	R31, R76, R134, R140	4	100-04006-0273	MCR01MZSJX273	RES,CHIP THICK FILM 27K 5% .063W +/-200PPM	65940	0402	
114	R164, R170	2	100-04006-0274	MCR01MZSJX274	RES,CHIP THICK FILM 270K 5% .063W +/-200PPM	65940	0402	
116	R23, R29	2	100-04006-0301	MCR01MZSJX301	RES,CHIP THICK FILM 300 5% .063W +/-200PPM	65940	0402	
118	R65, R203, R213, R215, R219	5	100-04006-0331	MCR01MZSJX331	RES,CHIP THICK FILM 330 5% .063W +/-200PPM	65940	0402	
120	R50, R120, R181	3	100-04006-0332	MCR01MZSJX332	RES,CHIP THICK FILM 3.3K 5% .063W +/-200PPM	65940	0402	
122	R184, R192, R201	3	100-04006-0334	MCR01MZSJX334	RES,CHIP THICK FILM 330K 5% .063W +/-200PPM	65940	0402	
124	R69, R79, R101	3	100-04006-0390	MCR01MZSJX390	RES,CHIP THICK FILM 39 5% .063W +/-200PPM	65940	0402	
126	R53, R129	2	100-04006-0391	MCR01MZSJX391	RES,CHIP THICK FILM 390 5% .063W +/-200PPM	65940	0402	
128	R48, R107	2	100-04006-0392	MCR01MZSJX392	RES,CHIP THICK FILM 3.9K 5% .063W +/-200PPM	65940	0402	
130	R118, R142	2	100-04006-0393	MCR01MZSJX393	RES,CHIP THICK FILM 39K 5% .063W +/-200PPM	65940	0402	
132	R220	1	100-04006-0394	MCR01MZSJX394	RES,CHIP THICK FILM 390K 5% .063W +/-200PPM	65940	0402	
134	R156	1	100-04006-0433	MCR01MZSJX433	RES,CHIP THICK FILM 43K 5% .063W +/-200PPM	65940	0402	
136	R57	1	100-04006-0470	MCR01MZSJX470	RES,CHIP THICK FILM 47 5% .063W +/-200PPM	65940	0402	
138	R28, R47, R136, R235, R237, R239, R241, R243, R245, R247	10	100-04006-0471	MCR01MZSJX471	RES,CHIP THICK FILM 470 5% .063W +/-200PPM	65940	0402	
140	R36, R43, R83, R131, R152, R179,	11	100-04006-0472	MCR01MZSJX472	RES,CHIP THICK FILM 4.7K 5% .063W +/-200PPM	65940	0402	



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140	R195, R207, R221, R227, R233	11	100-04006-0472	MCR01MZSJX472	RES,CHIP THICK FILM 4.7K 5% .063W +/-200PPM	65940	0402	
142	R124, R137, R153, R157	4	100-04006-0473	MCR01MZSJX473	RES,CHIP THICK FILM 47K 5% .063W +/-200PPM	65940	0402	
144	R34	1	100-04006-04R7	ERJ2GEJ4R7X	RES,CHIP THICK FILM 4.7 5% .063W +/-200PPM	PANSON	0402	
146	R9, R17, R55	3	100-04006-0510	MCR01MZSJX510	RES,CHIP THICK FILM 51 5% .063W +/-200PPM	65940	0402	
148	R94, R96, R97, R105	4	100-04006-0511	MCR01MZSJX511	RES,CHIP THICK FILM 510 5% .063W +/-200PPM	65940	0402	
150	R106	1	100-04006-0561	MCR01MZSJX561	RES,CHIP THICK FILM 560 5% .063W +/-200PPM	65940	0402	
152	R198, R200	2	100-04006-0564	MCR01MZSJX564	RES,CHIP THICK FILM 560K 5% .063W +/-200PPM	65940	0402	
154	R80	1	100-04006-0680	MCR01MZSJX680	RES,CHIP THICK FILM 68 5% .063W +/-200PPM	65940	0402	
156	R226	1	100-04006-0681	MCR01MZSJX681	RES,CHIP THICK FILM 680 5% .063W +/-200PPM	65940	0402	
158	R37, R78	2	100-04006-0682	MCR01MZSJX682	RES,CHIP THICK FILM 6.8K 5% .063W +/-200PPM	65940	0402	
160	R11, R46, R102	3	100-04006-0820	MCR01MZSJX820	RES,CHIP THICK FILM 82 5% .063W +/-200PPM	65940	0402	
162	R4	1	100-04006-0913	MCR01MZSJX913	RES,CHIP THICK FILM 91K 5% .063W +/-200PPM	65940	0402	
164	R18, R32, R51, R64, R236	5	100-08347-6000	RM73B1J000J	RES,CHIP THICK FILM ZERO 5% .063W +/-200PPM	09021	0603	
165	R12	1	100-10001-1001	MCR01MZSFW1001	RES,CHIP THICK FILM 1.0K 1% 1/16W +/-200PPM	65940	0402	
166	R26	1	100-10001-1101	MCR01MZSFW1101	RES,CHIP THICK FILM 1.1K 1% 1/16W +/-200PPM	65940	0402	
168	R127	1	100-10001-1912	MCR01MZSFW1912	RES,CHIP THICK FILM 19.1K 1% 1/16W +/-200PPM	65940	0402	
170	R128	1	100-10001-2002	MCR01MZSFW2002	RES,CHIP THICK FILM 20K 1% 1/16W +/-200PPM	65940	0402	



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172	R14	1	100-10001-2210	RK73H1ETE2210F	RES,CHIP THICK FILM 221 1% 1/16W +/-200PPM	09021	0402	
174	R16, R20, R122, R132	4	100-10001-2212	MCR01MZSFW2212	RES,CHIP THICK FILM 22.1K 1% 1/16W +/-200PPM	65940	0402	
176	R155	1	100-10001-3922	MCR01MZSFW3922	RES,CHIP THICK FILM 39.2K 1% 1/16W +/-200PPM	65940	0402	
178	R186	1	100-10111-R068	RL1220-R068-J	RES,THIN FILM .068 5% E-6 SERIES +/-350PPM/C	THNFILM	1220	
180	C2	1	105-01013-02R2	500R15N02R2CW2-T	CAP,CHIP CERAMIC 2.2PF +/-25PF COG/NPO 50V	29454	0805A	
182	C249, C251	2	105-01073-69R0	C0603C909C5GAC	CAP,CHIP CERAMIC 9.0PF +/-25PF COG/NPO 50V	31433	0603	
184	C10	1	105-01073-71R5	GRM39COG1R5B050AL	CAP,CHIP CERAMIC 1.5PF +/-1PF COG/NP0 50V	51406	0603	
186	C6	1	105-01073-73R3	GRM39COG3R3B050AL	CAP,CHIP CERAMIC 3.3PF +/-1PF COG/NP0 50V	51406	0603	
188	C39, C54, C156, C204, C292, C298, C357, C359, C361	9	105-04012-0100	C0402C100J3GAC	CAP,CHIP CERAMIC 10PF 5% COG 25V	31433	0402	
190	C26, C41, C46, C59, C68, C76, C82, C110, C130, C158, C176, C177, C200, C211, C220, C226, C244, C246, C293, C296, C302, C311, C313, C333, C341, C342, C351	27	105-04012-0101	C0402C101J3GAC	CAP,CHIP CERAMIC 100PF 5% COG 25V	31433	0402	
192	C206	1	105-04012-0110	C1005COG1E110JT	CAP,CHIP CERAMIC 11PF 5% COG 25V	TDK	0402	
194	C88, C188, C218	3	105-04012-0120	C1005COG1E120JT	CAP,CHIP CERAMIC 12PF 5% COG 25V	TDK	0402	
196	C84, C107, C227	3	105-04012-0150	C0402C150J3GAC	CAP,CHIP CERAMIC 15PF 5% COG 25V	31433	0402	
198	C262	1	105-04012-0151	C1005COG1E151JT	CAP,CHIP CERAMIC 150PF 5% COG 25V	TDK	0402	



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200	C1, C16, C19, C21, C23, C33, C36, C38, C50, C51, C52, C53, C63, C75, C77, C79, C87, C96, C97, C99, C102, C105, C106, C109, C113, C116, C119, C121, C124, C126, C133, C134, C135, C139, C142, C143, C145, C147, C152, C162, C164, C165, C166, C168, C169, C170, C175, C181, C196, C236, C240, C242, C254, C264	54	105-04012-0220	C0402C220T3GAC	CAP,CHIP CERAMIC 22PF 5% COG 25V	31433	0402	
202	C194	1	105-04012-0270	C0402C270J3GAC	CAP,CHIP CERAMIC 27PF 5% COG 25V	31433	0402	
204	C47, C120, C255, C257, C337, C348, C350	7	105-04012-0330	C0402C330J3GACTR	CAP,CHIP CERAMIC 33PF 5% COG 25V	31433	0402	
206	C259, C307, C309, C322, C339, C343, C345, C354, C367, C369	10	105-04012-0470	C0402C470J3GAC	CAP,CHIP CERAMIC 47PF 5% COG 25V	31433	0402	
208	C312, C344, C346	3	105-04012-0680	C0402C680J3GAC	CAP,CHIP CERAMIC 68PF 5% COG 25V	31433	0402	
210	C271	1	105-04012-0820	C1005COG1E820JT	CAP,CHIP CERAMIC 82PF 5% COG 25V	TDK	0402	
212	C7, C15, C31, C34, C37, C40, C49, C61, C65, C73, C83, C86, C95, C101, C114, C118, C125, C155, C159, C167, C179, C185, C193, C203, C205, C208, C213, C215, C223, C224, C225, C233, C234, C239, C253, C256, C261, C265, C267, C270, C273, C281, C283, C285, C295, C297, C304	47	105-04013-0102	C0402C102K3RAC	CAP,CHIP CERAMIC 1000PF 10% X7R 25V	31433	0402	
214	C149	1	105-04013-0152	C0402C152K3RAC	CAP,CHIP CERAMIC 1500PF 10% X7R 25V	31433	0402	



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216	C98, C320	2	105-04013-0221	C0402C221K3RAC7867	CAP,CHIP CERAMIC 220PF 10% X7R 25V	31433	0402	
218	C91	1	105-04013-0271	C0402C271K3RAC	CAP,CHIP CERAMIC 270PF 10% X7R 25V	31433	0402	
220	C58, C70, C94, C178	4	105-04013-0331	C1005X7R1E331KT	CAP,CHIP CERAMIC 330PF 10% X7R 25V	TDK	0402	
222	C123, C237, C269	3	105-04013-0471	C0402C471K3RAC	CAP,CHIP CERAMIC 470PF 10% X7R 25V	31433	0402	
224	C13, C29, C60, C69, C72, C74, C80, C90, C92, C93, C100, C108, C117, C132, C141, C144, C153, C157, C171, C183, C187, C190, C192, C195, C197, C201, C217, C219, C221, C235, C245, C250, C260, C275, C277, C278, C279, C287, C291, C300, C301, C303, C305, C321, C323, C328, C335, C347, C353, C355, C363, C365	52	105-04017-0103	C0402C103K4RAC	CAP,CHIP CERAMIC 10000PF 10% X7R 16V	31433	0402	
226	C55, C115	2	105-04019-0060	CO4020C609D5GAC7867	CAP,CHIP CERAMIC 6.0PF +/-0.5PF COG 50V	31433	0402	
228	C182, C212	2	105-04019-0070	C0402C709D5GAC	CAP,CHIP CERAMIC 7.0PF +/-0.5PF COG 50V	31433	0402	
230	C103, C202	2	105-04019-0090	C0402C909D5GAC7867	CAP,CHIP CERAMIC 9.0PF +/-0.5PF COG 50V	31433	0402	
232	C81, C136, C210	3	105-04020-0010	UMK105CG010CWF	CAP,CHIP CERAMIC 1.0PF +/-0.25PF COG 50V	TAIYO	0402	
234	C20, C25, C35, C128, C146, C151, C161, C198, C222, C228, C230, C238	12	105-04020-0020	C0402C209C5GAC7867	CAP,CHIP CERAMIC 2.0PF +/-0.25PF COG 50V	31433	0402	
236	C184, C186, C214, C216	4	105-04020-0027	C0402C279C5GAC7867	CAP,CHIP CERAMIC 2.7PF +/-0.25PF COG 50V	31433	0402	
238	C12, C32, C189	3	105-04020-0030	C0402C309C5GAC7867	CAP,CHIP CERAMIC 3.0PF +/-0.25PF COG 50V	31433	0402	



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240	C64, C104, C174, C232	4	105-04020-0040	C0402C409C5GAC	CAP,CHIP CERAMIC 4.0PF +/-0.25PF COG 50V	31433	0402	
242	C45, C111, C150, C229	4	105-04020-0050	C0402C509C5GAC	CAP,CHIP CERAMIC 5.0PF +/-0.25PF COG 50V	31433	0402	
244	C112, C148	2	105-04020-00R5	C0402C508C5GAC	CAP,CHIP CERAMIC 0.5PF +/-0.25PF COG 50V	31433	0402	
246	C43, C71, C85, C129, C154	5	105-04020-01R5	C0402C159C5GAC	CAP,CHIP CERAMIC 1.5PF +/-0.25PF COG 50V	31433	0402	
248	C241	1	105-04078-1684	C3216X7R1C684K	CAP,CHIP CERAMIC .68UF 10% X7R 16V	TDK	1206	
250	C247, C330, C340	3	105-04079-6223	C0603C223K4RAC7867	CAP,CHIP CERAMIC .022UF 10% X7R 16V	31433	0603	
252	C67, C89, C180	3	105-04079-6333	C0603C333K4RAC	CAP,CHIP CERAMIC .033UF 10% X7R 16V	31433	0603	
254	C191, C207	2	105-04079-6473	C0603C473K4RAC7867	CAP,CHIP CERAMIC .047UF 10% X7R 16V	31433	0603	
256	C286, C290, C316, C318	4	105-10068-0106	LMK325BJ106MN-T	CAP,CHIP CERAMIC 10UF +/-20% X7R 10V	TAIYO	1210	
258	C127, C263, C299	3	105-10069-0224	C1608X5R1A224KT	CAP,CHIP CERAMIC 0.22UF 10% X7R 10V	TDK	0603	
260	C57, C66, C140	3	105-10153-0333	C1005Y5V1C333Z	CAP,CHIP CERAMIC .033UF +80/-20% Y5V 16V	TDK	0402	
262	C243	1	105-12024-0008	C0603C809D5GAC	CAP,CHIP MULTILAYER CER 8.0PF +/-0.5PF -330PPM 50	31433	0603	
264	C5, C9, C44, C137, C163, C173, C199, C272, C276, C280, C282, C289, C306, C308, C315, C317, C319, C325, C329, C331, C349, C371	22	105-14019-0104	C0603C104K4RAC7867	CAP,CHIP CERAMIC 0.1UF +/-10% 16V	31433	0603	
266	C18, C22, C327	3	105-14021-0474	EMK212BJ474KG-T	CAP,CHIP CERAMIC 0.47UF +/-10% 16V	TAIYO	0805	
268	C334, C336, C338	3	105-14041-0470	CKCA43X7R1H471M	CAP,ARRAY 4X470PF 20% X7R 50V	TDK	1206	



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270	C3, C24, C131, C172, C209, C248, C252, C268, C294, C314	10	106-04036-4475	T491A475M010AS	CAP,CHIP TANT 4.7UF 20% 10V	31433	3216	
272	C326	1	106-05842-0335	T491A335K016AS	CAP,CHIP TANT 3.3UF 10% 16V	31433	3216	
274	C14, C56	2	106-06257-0105	T491A105K016AS	CAP,CHIP TANT 1.0UF 10% 16V	31433	3216	
276	C274	1	106-09023-0336	T491B336K006AS(T&R)	CAP,CHIP TANT 33UF 10% 6.3V	31433	B	
278	C284	1	106-09028-0336	T491C336M016AS	CAP,CHIP TANT 33UF 20% 16V	31433	C	
280	C324	1	106-14028-0476	T491C476K006AS	CAP,CHIP TANT 47UF 10% 6.3V	31433	6032	
284	L9, L29, L61	3	110-03602-0561	1008CS-561XJBC	INDUCTOR,CHIP WW 560NH +/-5%	02113	1008	
286	L53	1	110-03680-0221	1008CS-221XGBC	INDUCTOR,CHIP WW 220NH 2%	02113	1008	
288	L5	1	110-03680-0331	1008CS-331XGBC	INDUCTOR,CHIP WW 330NH 2%	02113	1008	
290	L41	1	110-03680-0391	1008CS-391XGBC	INDUCTOR,CHIP WW 390NH 2%	02113	1008	
292	L75, L77, L79, L81	4	110-03728-01R8	MLF1608A1R8KT	INDUCTOR,CHIP SHIELD 1.8UH 10% Q=35 SRF=55MHZ	TDK	0603	
294	L87	1	110-03759-0330	0805CS-330XGBC	INDUCTOR,CHIP WW 33NH 2% Q=60MIN@500MHZ	02113	0805	
296	L100	1	110-04176-0150	SLF7028T-150MR88	INDUCTOR,LEADLESS 15UH 20% 0.88A HIGH CURRENT	TDK	SMD	
298	L43, L93	2	110-07635-0151	0805HS-151TGBC	INDUCTOR,CHIP 150NH 2% Q=50 MIN	02113	0805	
300	L89	1	110-07635-0221	0805HS-221TGBC	INDUCTOR,CHIP 220NH 2% Q=50 MIN	02113	0805	
302	L73	1	110-08310-1470	0805CS-470-XJBC	INDUCTOR,CHIP WW 47NH 5%	02113	1007	
304	L37	1	110-08310-1680	0805CS-680-XJBC	INDUCTOR,CHIP WW 68NH 5%	02113	1007	



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306	L55	1	110-08310-1820	0805CS-820-XJBC	INDUCTOR,CHIP WW 82NH 5%	02113	1007	
308	L7, L24	2	110-10008-11R5	HK1608 1N5 S	INDUCTOR,CHIP 1.5NH +/- .3NH Q=8 @100MHZ SRF=4000M	TAIYO	0603	
310	L21, L23	2	110-10008-12R7	HK1608 2N7 S	INDUCTOR,CHIP 2.7NH +/- .3NH Q=10 @100MHZ SRF=4000M	TAIYO	0603	
312	L4, L13, L27, L33, L46	5	110-10008-13R3	HK1608 3N3 S	INDUCTOR,CHIP 3.3NH +/- .3NH Q=10 @100MHZ SRF=4000M	TAIYO	0603	
314	L31, L59, L78, L86, L99	5	110-10008-13R9	HK1608 3N9 S	INDUCTOR,CHIP 3.9NH +/- .3NH Q=10 @100MHZ SRF=4000M	TAIYO	0603	
316	L2, L8, L18, L35, L56	5	110-10008-14R7	HK1608 4N7 S	INDUCTOR,CHIP 4.7NH +/- .3NH Q=10 @100MHZ SRF=4000M	TAIYO	0603	
318	L3, L15, L32	3	110-10008-15R6	HK1608 5N6 S	INDUCTOR,CHIP 5.6NH +/- .3NH Q=10 @100MHZ SRF=4000M	TAIYO	0603	
320	L6, L62	2	110-10010-0100	HK1608 10NK	INDUCTOR,CHIP 10NH 10% Q=12 @100MHZ SRF=3400	TAIYO	0603	
322	L19, L47, L92	3	110-10010-0120	HK1608 12NK	INDUCTOR,CHIP 12NH 10% Q=12 @100MHZ SRF=2600	TAIYO	0603	
324	L34, L38, L48, L90	4	110-10010-0180	HK1608 18NK	INDUCTOR,CHIP 18NH 10% Q=12 @100MHZ SRF=2000	TAIYO	0603	
326	L11, L83, L85	3	110-10010-0270	HK1608 27NK	INDUCTOR,CHIP 27NH 10% Q=12 @100MHZ SRF=1400	TAIYO	0603	
328	L162, L163, L235	3	110-10010-0470	HK1608 47NK	INDUCTOR,CHIP 47NH 10% Q=12 @100MHZ SRF=900	TAIYO	0603	
330	L88	1	110-10010-0560	HK1608 56NK	INDUCTOR,CHIP 56NH 10% Q=12 @100MHZ SRF=900	TAIYO	0603	
332	L39, L49	2	110-10010-0680	HK1608 68NK	INDUCTOR,CHIP 68NH 10% Q=12 @100MHZ SRF=700	TAIYO	0603	
334	L40, L69, L80, L82	4	110-10010-06R8	HK1608 6N8K	INDUCTOR,CHIP 6.8NH 10% Q=10 @100MHZ SRF=4000	TAIYO	0603	
336	L14, L54, L57-L58, L60	5	110-10010-08R2	HK1608 8N2K	INDUCTOR,CHIP 8.2NH 10% Q=12 @100MHZ SRF=3500	TAIYO	0603	
338	L70, L72, L74	3	110-10152-0120	0603CS-R12XGBC	INDUCTOR,CHIP 120NH 2% Q=39 @900MHZ	02113	0603	



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340	L91	1	110-11257-0270	1008HT-27NTGBC	INDUCTOR,CHIP WW CERAMIC 27NH 2%	02113	1008	
342	L17	1	110-12020-06R8	HK1608 6N8J	INDUCTOR,CHIP 6.8NH 5% Q=10 @100MHZ SRF=4000	TAIYO	0603	
344	L42, L45, L50, L66, L76, L84, L95	7	112-08284-0010	BLM21B222SPT	BEAD,FERRITE CHIP 2250OHM @100MHZ .8OHM @ DC	51406	0805	
346	L25	1	112-08284-0020	BLM21B20PT	BEAD,FERRITE CHIP 750OHM @100MHZ 0.7OHM @ DC	51406	0805	
348	L51, L96, L97	3	112-10006-0601	MMZ1608Y601B	BEAD,FERRITE CHIP 600OHM @100MHZ	TDK	0603	
350	L1, L63, L65, L71, L94	5	112-10041-0182	BK1608LM182T	BEAD,FERRITE CHIP 1800OHM @100MHZ DCR=.95 50MA	TAIYO	0603	
352	L98	1	112-14026-0800	FBM3216HS800	BEAD,FERRITE CHIP 800OHM @100MHZ	TAIYO	1206	
354	T2	1	116-04062-0006	844DB-1023	TRANSFORMER,BALUN FREQ MIXER 4DB@1000MHZ	TOKO	SMD	
356	FL2	1	120-01052-8000	DFY2R836CR881BHH	FILTER,DUPLXER 824-849MHZ 869-894MHZ	51406	SMT	
358	FL14	1	120-03947-0000	LFSA25-12B0836B	FILTER, BANDPASS CERAMIC 836.5 +/-12.5MHZ 18DB	51406	SMD	
360	FL6	1	120-12017-2836	SAFC836.5MC72T	FILTER,SAW 836MHZ 500OHM CLCC 3.8X3.8X1.5	18796	SMD	
360A		ALT	120-12017-0836	F5CH-836M50-L2AW	FILTER,SAW 836MHZ 500OHM CLCC HI-ATTENUATION	9Z397	SMD	ALT
362	FL3	1	120-12018-0881	F5CH-881M50-L2AMAT	FILTER,SAW 881MHZ 500OHM CLCC	9Z397	SMD	
363	U10, U12, U16	3	124-01426-0397	SW-397TR	SWITCH,RF SPDT GA/AS DC-2.0GHZ	11556	SOT-26	
364	U5, U9, U11	3	124-10109-0000	UPG152TA-E3	SWITCH,RF SPDT L-BAND GA/AS FET	4T165	SOT-23	
366	U20	1	127-03737-0002	SLM-190S (2MT40027 REV3)	MIXER,SINGLE BALANCED MULTILAYER	62786		
368	U14	1	129-10107-0916	MRFIC0916	IC,AMP RF CASCODE 100-2500MHZ 16.5DB@850MHZ	04713	SOT-143	



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370	X2	1	135-03748-0027	GSTCS27.00MX040-TC	RESONATOR,CHIP CERAMIC 27MHZ +/-0.5%	51406	C	
372	U4	1	138-06542-0010	CE0731R88DCB	ISOLATOR,RF 1850-1910MHZ 500HM	51406	SMD	
372A		ALT	138-06542-0014	SI-7SGL1.880G	ISOLATOR,RF 1850-1910MHZ IL=0.6DB MAX I2 LO HEIGH	HITME	SMT	ALT
374	D1, D3, D5, D7	4	139-03718-0273	1SV273TPH3	DIODE,VARACTOR 7.3-17PF VR=1.0-4.0V	7M235	SMD	
376	D6, D16, D22	3	140-01263-0355	1SS355	DIODE,SWITCHING HI-SPEED 1.2V @100MA TRR=4.0NS	65940	USM	
378	D4	1	140-06323-0017	HSMS-2825-TR1	DIODE,SCHOTTKY UNCONNECTED PAIR	28480	SOT-143	
380	D12, D18	2	140-08280-0221	DA221TL	DIODE,SWITCHING HI-SPEED ARRAY 20V 100MA 4PF (EM3	65940	3SO071	
382	D10, D14, D20	3	140-08280-0222	DAN222TL	DIODE,SWITCHING HI-SPEED ARRAY 80V 100MA 4NS (EM3	65940	3SO071	
384	D9	1	140-10060-0000	1SS381	DIODE,PLANAR SILICON EPITAXIAL	7M235	ESC	
386	D2	1	141-03858-0010	UDZ10BTE-17	DIODE,ZENER 10V 200MW	65940	SOD-323	
388	D8	1	141-03858-0062	UDZTE-176.2B	DIODE,ZENER 6.2V 200MW	65940	SOD-323	
390	Q28, Q62	2	160-01261-1664	2SD1664	TRANSISTOR,NPN HFE=82-390 VCEO=32V MIN IC=1.0A	65940	MPT3	
392	Q56	1	160-04187-0002	UMH6NTR	TRANSISTOR,DIGITAL DUAL 47K/47K	65940	UMT6	
394	Q17, Q19, Q37, Q70	4	160-04193-0000	2SC4617TLQ	TRANSISTOR,NPN HFE=120 AT VCE=6.0V IC=1.0MA	65940	EM3	
396	Q3, Q14	2	160-04194-0000	2SA1774TLQ	TRANSISTOR,PNP HFE=120 AT VCE=6.0V IC=1.0MA	65940	EM3	
398	Q11, Q18, Q21, Q33, Q34, Q36, Q39, Q45, Q46, Q47, Q64, Q68	12	160-08032-0025	DTC124EETL	TRANSISTOR,R1=22K R2=22K DIGITAL 3SO1.8X1.8X.8X.	65940	EM3	
400	Q32, Q38, Q41, Q42, Q43, Q60,	7	160-08032-0026	UMC4NTR	TRANSISTOR,R1=10K R2=47K DIGITAL 5SO2.2X2.2X1X.6	65940	UM5	



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400	Q66	7	160-08032-0026	UMC4NTR	TRANSISTOR,R1=10K R2=47K DIGITAL 5SO2.2X2.2X1X.6	65940	UM5	
402	Q27	1	160-08032-0027	DTC144EE (EM3)	TRANSISTOR,R1=47K R2=47K DIGITAL 3SO1.8X1.8X.8X.	65940	EM3	
404	Q1, Q4, Q5, Q26, Q61	5	160-08032-0035	UMC5NTR	TRANSISTOR,PNP/NPN DIGITAL DUAL W/2 RESISTORS	65940	UMT5	
406	Q9-Q10, Q52	3	160-08166-0004	UMT1 N TN	TRANSISTOR,PNP PRE AMP COMMON BASE	65940	UM6	
408	Q25	1	160-08212-0003	UMG2N	TRANSISTOR,DIGITAL INVERTER DRIVER 50V R1&R2=47K	65940	UM5	
410	Q20	1	160-08212-0006	UMG4N	TRANSISTOR,DIGITAL INVERTER DRIVER 50V R1&R2=10K	65940	UMT5	
412	Q58	1	160-08212-0114	UMD3N-UMT6	TRANSISTOR,NPN/PNP DIGITAL DUAL W/2 RESISTORS	65940	UMT6	
414	Q2, Q13, Q23, Q24	4	160-10034-0000	BFP420E6327	TRANSISTOR,NPN RF 35UA	50579	SOT343	
416	Q8	1	160-10034-0001	BFP450-F1590	TRANSISTOR,NPN RF 14DB @ 1.8GHZ	50579	SOT343	
418	Q7	1	160-10106-0340	NE34018-T1	TRANSISTOR,FET N-CHANNEL HJ ULTRA LOW NOISE	4T165	SOT-343	
420	Q29	1	160-10151-4986	RN4986	TRANSISTOR,PNP/NPN DIGITAL DUAL W/4 RESISTORS	7M235	US6	
422	Q12	1	161-03701-0000	NE85619-T1	TRANSISTOR,NPN HIGH FREQ GBP=4.5GHZ	4T165	EM3	
424	Q15	1	161-03751-0000	NE68819	TRANSISTOR,NPN SILICON HIGH FREQ 5.0GHZ	4T165	SMT	
426	Q22, Q30	2	162-10000-2035	2SK2035TE85L	TRANSISTOR,FET POWER SUPPLY SWITCHING	7M235	SMT	
428	Q35	1	162-14002-0000	2SK1830TE85L	TRANSISTOR,MOSFET N-CHANNEL 0.14VS AT 25V 10MA	7M235	SSM	
430	Q6, Q54	2	163-10052-6963	SI6963DQ-T1	TRANSISTOR,MOSFET P-CHANNEL DUAL 2.5V	TEMIC	TSSOP	
432	Q48	1	163-10100-2803	IRLML2803	TRANSISTOR,PWR N-CHANNEL FET RDS=0.40 @ VGS=4.5V	9M011	SOT-23	



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434	U32	1	201-04198-4051	TC74HC4051AFS-EL	IC,8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER	7M235	SSOP	
436	U29	1	220-03646-0004	TC7SH04FU-TE85L	IC,INVERTER LMOS VHS SERIES VCC=2.0-5.5V	7M235	SSOP5-P-A	
438	U34	1	220-03825-0053	TC4W53FUTE12L	IC,MULTIPLEXER/DEMULTIPLEXER 2-CHANNEL	7M235	SSOP	
440	U36	1	220-03846-0000	TC7S00FUTE85L	IC,2-INPUT NAND GATE	7M235	SSOP	
442	U25	1	225-03607-0074	TC7W74FU	IC,D-TYPE FLIP-FLOP W/PRESET AND CLEAR	7M235	SSOP8-P	
444	U37	1	270-10074-0000	M5M5V208KV-12LL#WT	IC,SRAM 256KX8	6Z856	STSOP	
446	U44	1	272-14050-0001	AT24C128W-10SI-2.7	IC,EEPROM SERIAL 2 WIRE 2.7V 400KHZ	1FN41	EIAJ SOIC	
448	U33	1	281-03726-0033	MIC5205-3.3BM5	IC,VOLTAGE REGULATOR POS 150MA 3.3V LDO 2% N=28U	60496	SOT-23-5	
448A		ALT	281-03727-0033	TC1015-3.3VCT	IC,VOLTAGE REG 100MA CMOS LDO W/SHT DN & REF BYPA	TELCOM	SOT-23	ALT
450	U21	1	281-03726-0040	MIC5205-4.0BM5	IC,VOLTAGE REGULATOR POS 150MA 4.0V LDO 2%	60496	SOT-23-5	
452	U2	1	281-04218-0000	MAX850ESA	IC,VOLTAGE CONVERSION NEGATIVE SWITCHED CAP REG	1ES66	8SO244	
452A		ALT	281-04218-0850	TCM850EOA	IC,VOLTAGE CONVERSION NEGATIVE SWITCHED CAP FREE	TELCOM	SO-8	ALT
454	U22	1	281-05824-03R3	MIC5203-3.3BM4	IC,VOLTAGE REGULATOR 80MA 3.3V LOW DROPOUT 3%	60496	SOT-143	
456	U23, U26	2	281-05824-03R6	MIC5203-3.6BM4	IC,VOLTAGE REGULATOR 80MA 3.6V LOW DROPOUT 3%	60496	SOT-143	
458	U1	1	281-05824-04R5	MIC5203-4.5BM4	IC,VOLTAGE REGULATOR 80MA 4.5V LOW DROPOUT 3%	60496	SOT-143	
460	U42	1	281-14060-0000	LTC1436IGN-PLL	IC,HIGH EFFICIENCY LOW NOISE SYNCH STEP-DOWN	64155	SSOP	
462	U38	1	281-17502-0000	TPS7233QDR	IC,VOLTAGE REGULATOR 1.5A 3.3V LDO 2%	01295	SOIC	



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464	U24, U28	2	282-03691-0755	TC75S51F	IC, OPERATIONAL AMPL DUAL LOW POWER/VOLTAGE	7M235	SSOP	
466	U19	1	284-11049-2336	LMX2336TMX	IC, FREQ SYNTHESIZER DUAL 2.0GHZ/1.1GHZ	27014	TSSOP	
468	U3	1	285-10005-0000	SA611DK	IC, LNA/MIXER RF 800-1000MHZ LOW VOLTAGE	0JN86	SSOP20	
470	Q50	1	287-03695-9802	S19802DY	IC, TRANSISTOR DUAL N-CHANNEL ENHANCED MODE 20V	TEMIC	SO-8	
472	U15	1	288-02179-2712	UPC2712T	IC, AMPLIFIER WIDEBAND 2.5GHZ 23DB 5.0V MMIC	4T165		
474	U6	1	288-10046-0403	UN00403	IC, AMPLIFIER POWER FM 30.7DBM @4.7V	PANSON	CUSTOM	
476	SW2	1	302-03753-0004	EVQ-WKN001	SWITCH, JOG ENCODER EDGE DRIVE	PANMAT	SMT	
476A		ALT	302-03753-0003	EVQWKE001	SWITCH, JOG ENCODER EDGE DRIVE	0D2A6	SMT	ALT
478	U30	1	330-08363-0003	CHB-03C	ELECTRO MAGNETIC RESONANT TYPE SOUND GENERATOR	CITIZE	SMD	
480	R148	1	335-14035-0154	NTCCM16084LH154JCT	THERMISTOR, NTC 150KOHM 5% B=4550K 3%	TDK	0603	
482	J1	1	449-10061-0001	14-5087-032-530-861	CONN, BOARD TO BOARD 0.5MM PITCH PLUG SIDE	51595		
484	S2	1	470-10137-0001	R299.137.821	CONN, COAX SWITCHED PCB MOUNT RECEPTACLE	RADIAL		
486	J6	1	50-46036-1	50-46036-1	CLIP, ANTENNA, TGP	1DN14		
488	SH2	1	50-46207-1	50-46207-1	SHIELD, FRAME, PA, TGP	1DN14		
490	SH1	1	50-46240-1	50-46240-1	SHIELD, FRAME, RX, TGP	1DN14		
492	SH3	1	50-46260-1	50-46260-1	SHIELD, FRAME, PLL, TGP	1DN14		
494	SH5	1	50-46987-1	50-46987-1	SHIELD, RX AGC, TGP	1DN14		



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496		SH9	1	50-46300-1	50-46300-1	SHIELD,FRAME,BB2,TGP	1DN14		
498		SH11	1	50-46320-1	50-46320-1	SHIELD,FRAME,MSM,TGP	1DN14		
500		SH7	1	50-46425-1	50-46425-1	SHIELD,IF VCO,TGP	1DN14		
502		SH8	1	50-46822-1	50-46822-1	SHIELD,FRAME,SW.REG.,TGP	1DN14		
504		SH4	1	50-46983-1	50-46983-1	SHIELD,DRIVER,TGP	1DN14		
506		SH6	1	50-46984-1	50-46984-1	SHIELD,UPC,TGP	1DN14		
508		U40	1	CA90-69231-3	CA90-69231-3	FIRMWARE, ACPA TGP PHONE TEST	1DN14		
508A			ALT	CA90-69231-4	CA90-69231-4	FIRMWARE,(ACPA) TGP PHONE TEST	1DN14		ALT
508B			ALT	CA90-69231-5	CA90-69231-5	FIRMWARE,(ACPA) TGP PHONE TEST	1DN14		ALT
510		U27	1	CD90-21884-3	CD90-21884-3	IC,Q53121-3S2,BBA2,DUAL MODE	1DN14		
512		U35	1	CD90-22110-1	CD90-22110-1	IC,MSM23000-176TQFP-MT,MATRIX TRAY	1DN14		
514		U18	1	CD90-24050-1	CD90-24050-1	IC,AMPLIFIER,TX AGC,CDMA/FM. CELLULAR COMMERCIAL	1DN14		
516		U17	1	CD90-24056-1	CD90-24056-1	IC,RX-AGC	1DN14		
518		FL12	1	120-19008-0000	B39192-B4689-Z610	FILTER,BANDPASS SAW 1880MHZ IL=4.5DB MAX 3.8X3.8M	50579	SMD	
518A			ALT	CV90-11884-2	CV90-11884-2	FILTER,PCS TX,SAW 1850-1910 MHZ	1DN14		ALT
520		FL10	1	CV90-66376-1	CV90-66376-1	FILTER,PCS TX,LOW-BAND SAW 1850-1885 MHZ	1DN14		
520A			ALT	CV90-11938-2	CV90-11938-2	FILTER,PCS TX,SAW,1850-1885 MHZ	1DN14		ALT



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522	FL8	1	CV90-66377-1	CV90-66377-1	FILTER,PCS TX,HIGH-BAND SAW 1875-1910 MHZ	1DN14		
522A		ALT	CV90-11939-2	CV90-11939-2	FILTER,PCS TX,SAW,1875-1910 MHZ	1DN14		ALT
524	FL4	1	CV90-39000-3	CV90-39000-3	DUPLEXER,PCS,1850-1990 MHZ	1DN14		
526	FL1	1	CV90-39518-1	CV90-39518-1	FILTER,RX,CERAMIC,1930-1990 MHZ,PCS	1DN14		
528	FL7	1	CV90-39541-1	CV90-39541-1	FILTER,PCS,LOW-LOSS IF SAW,210.38 MHZ	1DN14		
530	U7	1	CV90-39918-1	CV90-39918-1	MIXER,FREQUENCY 1930-1990 MHZ,RF/LO-BUFFER	1DN14		
532	J4	1	CV90-46103-2	CV90-46103-2	CONNECTOR,SOCKET,15 PIN (BOARD SIDE),TGP	1DN14		
534	J2	1	CV90-46117-2	CV90-46117-2	CONNECTOR,BATTERY INTERFACE,(4 POGO PINS),TGP	1DN14		
536	U31	1	CV90-46147-2	CV90-46147-2	VCTCXO,CDMA/FM,CELLULAR,TGP	1DN14		
538	U62	1	CV90-66001-3	CV90-66001-3	AMPLIFIER,POWER,29 DBM,1900MHZ	1DN14		
540	U13	1	CV90-66107-1	CV90-66107-1	VCO,SUBSCRIBER,HANDSET,DUAL BAND,PCS/AMPS	1DN14		
542	FL5	1	CV90-7979-1	CV90-7979-1	SAW FILTER,85.38 MHZ,FM	1DN14		
900		A/R	755-05113-0000	348	LOCKTITE,CHIPBONDER 348	05972		A/R
NOTE: A/R THIS ITEM IS USED AS REQUIRED.								
NOTE: ALT THIS IS AN ALTERNATE ITEM.								



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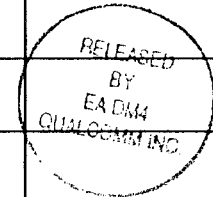
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CAGE 1DN14	DRAWN C.PARKER	DATE 10-02-97	QUALITY ASSURANCE <i>A. J.</i>	DATE 10/2/97
	CHECKED <i>C Parker</i>	DATE 10/2/97	PROJECT ENGINEER <i>J. W. ...</i>	DATE 10/2/97
	COMPONENT ENGINEERING <i>C Parker</i>	DATE 10/2/97	RELEASED <i>R. C. ...</i>	DATE 10/2/97

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—	RELEASE SEE DCR 23238 OCT 02 1997	—	RELEASED		



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1		1	25-66163-1	25-66163-1	PWB,KEYBOARD,STD,V1,3.0	1DN14		
50	R38	1	100-04006-0101	ERJ2GEJ101H	RES,CHIP THICK FILM 100 5% .063W +/-200PPM	PANSON	0402	
52	R26, R52	2	100-04006-0102	ERJ2GEJ102H	RES,CHIP THICK FILM 1.0K 5% .063W +/-200PPM	PANSON	0402	
54	R2, R8, R48	3	100-04006-0103	ERJ2GEJ103H	RES,CHIP THICK FILM 10K 5% .063W +/-200PPM	PANSON	0402	
56	R46, R56	2	100-04006-0113	ERJ2GEJ113H	RES,CHIP THICK FILM 11K 5% .063W +/-200PPM	PANSON	0402	
58	R14	1	100-04006-0183	ERJ2GEJ183H	RES,CHIP THICK FILM 18K 5% .063W +/-200PPM	PANSON	0402	
60	R18, R24, R36, R40	4	100-04006-0223	ERJ2GEJ223H	RES,CHIP THICK FILM 22K 5% .063W +/-200PPM	PANSON	0402	
62	R16	1	100-04006-0273	ERJ2GEJ273H	RES,CHIP THICK FILM 27K 5% .063W +/-200PPM	PANSON	0402	
64	R12, R44	2	100-04006-0331	ERJ2GEJ331H	RES,CHIP THICK FILM 330 5% .063W +/-200PPM	PANSON	0402	
66	R6	1	100-04006-0390	ERJ2GEJ390H	RES,CHIP THICK FILM 39 5% .063W +/-200PPM	PANSON	0402	
68	R34	1	100-04006-0392	ERJ2GEJ392H	RES,CHIP THICK FILM 3.9K 5% .063W +/-200PPM	PANSON	0402	
70	R30	1	100-04006-0394	ERJ2GEJ394H	RES,CHIP THICK FILM 390K 5% .063W +/-200PPM	PANSON	0402	
72	R10	1	100-04006-0471	ERJ2GEJ471H	RES,CHIP THICK FILM 470 5% .063W +/-200PPM	PANSON	0402	
74	R54	1	100-04006-0473	ERJ2GEJ473H	RES,CHIP THICK FILM 47K 5% .063W +/-200PPM	PANSON	0402	
76	R58	1	100-04006-0562	ERJ2GEJ562H	RES,CHIP THICK FILM 5.6K 5% .063W +/-200PPM	PANSON	0402	
78	R28	1	100-04006-0563	ERJ2GEJ563H	RES,CHIP THICK FILM 56K 5% .063W +/-200PPM	PANSON	0402	
80	R32	1	100-04006-0683	ERJ2GEJ683H	RES,CHIP THICK FILM 68K 5% .063W +/-200PPM	PANSON	0402	



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82	R22, R60	2	100-04006-0822	ERJ2GEJ822H	RES,CHIP THICK FILM 8.2K 5% .063W +/-200PPM	PANSON	0402	
84	R4	1	100-06723-0430	RM73B2A430J	RES,CHIP THICK FILM 43 5% .1W +/-200PPM/C	09021	0805A	
86	R20, R62	2	100-10001-1302	RK73H1E1302F	RES,CHIP THICK FILM 13K 1% 1/16W +/-200PPM	09021	0402	
88	R50	1	100-10001-2003	MCR01PZSIFW2003	RES,CHIP THICK FILM 200K 1% 1/16W +/-200PPM	65940	0402	
90	R64	1	100-10001-2702	RK73H1ETE2702F	RES,CHIP THICK FILM 27.0K 1% 1/16W +/-200PPM	09021	0402	
92	C6, C8, C10, C12, C14, C16, C18, C20, C22, C24, C26, C28, C30, C34, C36, C38, C40, C42, C44, C70, C116	21	105-04012-0101	C0402C101J3GAC	CAP,CHIP CERAMIC 100PF 5% COG 25V	31433	0402	
94	C96, C102, C120, C128	4	105-04012-0220	C0402C220T3GAC	CAP,CHIP CERAMIC 22PF 5% COG 25V	31433	0402	
96	C2, C4	2	105-04012-0270	C0402C270J3GAC	CAP,CHIP CERAMIC 27PF 5% COG 25V	31433	0402	
98	C48, C56, C60, C62, C64, C66, C76, C80, C98, C100, C106, C108, C110, C112, C114, C118, C124, C140	18	105-04012-0470	C0402C470J3GAC	CAP,CHIP CERAMIC 47PF 5% COG 25V	31433	0402	
100	C50	1	105-04013-0102	C0402C102K3RAC	CAP,CHIP CERAMIC 1000PF 10% X7R 25V	31433	0402	
102	C52	1	105-04013-0152	C0402C152K3RAC	CAP,CHIP CERAMIC 1500PF 10% X7R 25V	31433	0402	
104	C122	1	105-04013-0221	C1005X7R1E221KT	CAP,CHIP CERAMIC 220PF 10% X7R 25V	TDK	0402	
106	C82	1	105-04013-0271	C0402C271K3RAC	CAP,CHIP CERAMIC 270PF 10% X7R 25V	31433	0402	
108	C94	1	105-04013-0471	C0402C471K3RAC	CAP,CHIP CERAMIC 470PF 10% X7R 25V	31433	0402	



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110	C32, C84, C88, C92, C104, C126, C138	7	105-04017-0103	C0402C103K4RAC	CAP,CHIP CERAMIC 10000PF 10% X7R 16V	31433	0402	
112	C78, C134	2	105-04079-6683	GRM39X7R683K016BL	CAP,CHIP CERAMIC .068UF 10% X7R 16V	51406	0603	
114	C46, C54, C58, C72, C90, C130, C132, C136	8	105-14019-0104	C1608X7R1C104K	CAP,CHIP CERAMIC 0.1UF +/-10% 16V	TDK	0603	
116	C68	1	105-15507-0105	C1608Y5V1A105ZT	CAP,CHIP CER 1.0UF +80/-20% Y5V 10V	TDK	0603	
118	C142	1	106-02646-1475	T491S475K006AS	CAP,CHIP TANT 4.7UF 10% 6V LOW PROFILE	31433	S	
120	C74, C86	2	106-04036-4475	T491A475M010AS	CAP,CHIP TANT 4.7UF 20% 10V	31433	A	
122	L2, L4, L6, L8, L10	5	112-10006-0601	MMZ1608Y601B	BEAD,FERRITE CHIP 600OHMS @100MHZ	TDK	0603	
124	D6	1	140-08280-0221	DA221TL	DIODE,SWITCHING HI-SPEED ARRAY 20V 100MA 4PF (EM3	65940	3SO071	
126	Q2, Q4	2	160-04193-0000	2SC4617TLQ	TRANSISTOR,NPN HFE=120 AT VCE=6.0V IC=1.0MA	65940	EM3	
128	Q6	1	160-08032-0025	DTC124EETL	TRANSISTOR,DIGITAL R1=22K R2=22K 3SO1.8X1.8X.8X.	65940	EM3	
130	U4	1	281-05824-03R3	MIC5203-3.3BM4	IC,VOLTAGE REGULATOR 80MA 3.3V LOW DROPOUT 3%	60496	SOT-143	
132	U6	1	282-10154-0001	TLV2264AIPWLE	IC,OPERATIONAL AMPL QUAD LOW POWER RAIL-TO-RAIL	01295	TSSOP	
134	U8	1	285-03678-0000	TLV320AC36IPT	IC,PROCESSOR VOICE BAND AUDIO 3.0V	01295	PQFP	
136	U2	1	288-03716-0000	U4083B	IC,AMPLIFIER AUDIO LOW-POWER 2.0-16V GAIN 0-46DB	24972	SO8	
138	D2, D4, D8, D10, D12, D14, D16, D18, D20, D22	10	310-10110-0000	HSMG-D630	LED,CHIP 3.2MM X 1.25MM GREEN	28480	SMD	
140	J4	1	449-10113-0002	24-5087-032-500-861	CONN,BOARD TO BOARD 0.5MM PITCH RECEPTACLE	91662	SMD	



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TITLE
CCA,KEYBOARD,STD,V,3.0

DATE
10-02-97

SHEET
5

ITEM NO.	REFERENCE DESIGNATOR	QTY	QUALCOMM MCN	MANUFACTURERS PART NUMBER	PART NOMENCLATURE OR DESCRIPTION	CAGE	PACKAGE	NOTES
142	J2	1	477-14030-0014	04-6239-014-001-800	CONN,ZIF 0.5MM PITCH	51595	SMT	
144	SO2, SO4, SO6, SO8, SO10, SO12, SO14	7	50-46707-1	50-46707-1	GROUND CLIP,MAIN TO KEYBOARD,TGP	1DN14		