UltraTech

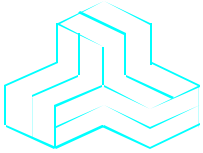

EXHIBIT K
PARTS LIST/TUNE UP INFO

Icom Incorporated
UHF Transceiver, Model IC-F4GT-4 / IC-F4GS-4
FCC ID: AFJIC-F4G-4

SECTION 6 MAIN UNIT PARTS LIST

REF NO.	DESCRIPTION	TYPE	MANUFACTURER	QTY
C3	S.CERAMIC	7P C1608 CH	TDK	1
C4	S.CERAMIC	2P C1608 CH ñ0.1P	TDK	1
C8	S.CERAMIC	0.001 C1608 B	TDK	1
C9	S.CERAMIC	0.001 C1608 B	TDK	1
C10	S.CERAMIC	0.001 C1608 B	TDK	1
C11	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C12	S.CERAMIC	0.001 C1608 B	TDK	1
C13	S.CERAMIC	0.001 C1608 B	TDK	1
C14	S.CERAMIC	0.01 C1608 25V B	TDK	1
C15	S.CERAMIC	39P ECU10 CH	MACO	1
C17	S.CERAMIC	0.001 C1608 B	TDK	1
C18	S.CERAMIC	470P C1608 B	TDK	1
C19	S.CERAMIC	0.001 C1608 B	TDK	1
C21	S.TANTALUM	4.7 16V ECST-Y	MACO	1
C22	S.CERAMIC	9P C1608 CH	TDK	1
C24	S.CERAMIC	470P C1608 B	TDK	1
C25	S.CERAMIC	3P C1608 CH ñ0.1P	TDK	1
C26	S.CERAMIC	0.001 C1005	TDK	1
C27	S.CERAMIC	5P C1608 CH ñ0.1P	TDK	1
C28	S.CERAMIC	8P C1608 CH	TDK	1
C29	S.CERAMIC	470P C1608 B	TDK	1
C30	S.CERAMIC	8P C1608 CH	TDK	1
C31	S.CERAMIC	2P C1608 CH ñ0.1P	TDK	1
C32	S.CERAMIC	470P C1608 B	TDK	1
C33	S.CERAMIC	470P C1608 B	TDK	1
C42	S.CERAMIC	0.001 C1005	TDK	1
C47	S.CERAMIC	0.068 C2012 16V B	TDK	1
C48	S.TANTALUM	0.68 16V ECST-Y	MACO	1
C50	S.TANTALUM	10 6.3V ECST-Y	MACO	1
C51	S.CERAMIC	10P C1608 CH	TDK	1
C52	S.CERAMIC	8P C1608 CH	TDK	1
C53	S.CERAMIC	15P C1608 CH	TDK	1
C54	S.CERAMIC	0.001 C1005	TDK	1
C55	S.CERAMIC	0.01 C1005 B	TDK	1
C56	S.CERAMIC	0.01 C1005 B	TDK	1
C60	S.CERAMIC	0.001 C1005	TDK	1
C61	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C62	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C63	S.CERAMIC	10P C1608 CH	TDK	1
C65	S.CERAMIC	4P C1608 CH ñ0.1P	TDK	1
C66	S.CERAMIC	7P C1608 CH	TDK	1
C67	S.CERAMIC	3P C1608 CH ñ0.1P	TDK	1
C71	S.CERAMIC	0.001 C1608 B	TDK	1
C72	S.TANTALUM	4.7 6.3V ECST-Y	MACO	1
C73	S.CERAMIC	0.1 C1608 16V B	TDK	1
C75	S.CERAMIC	0.1 C1005 B	TDK	1

C76	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C78	S.CERAMIC	3P C1608 CH ñ0.1P	TDK	1
C79	S.CERAMIC	1.5P C1608 CH ñ0.1P	TDK	1
C84	S.CERAMIC	47P C1608 CH	TDK	1
C85	S.CERAMIC	5P C1608 CH ñ0.1P	TDK	1
C86	S.CERAMIC	5P C1608 CH ñ0.1P	TDK	1
C87	S.CERAMIC	47P C1608 CH	TDK	1
C88	S.CERAMIC	0.001 C1608 B	TDK	1
C89	S.CERAMIC	0.5P C1608 CH ñ0.1	TDK	1
C90	S.CERAMIC	0.001 C1608 B	TDK	1
C91	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C92	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C93	S.CERAMIC	47P ECU10 CH	MACO	1
C94	S.CERAMIC	0.5P C1608 CH ñ0.1P	TDK	1
C95	S.CERAMIC	47P ECU10 CH	MACO	1
C96	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C97	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C98	S.CERAMIC	22P C1608 CH	TDK	1
C99	S.CERAMIC	0.001 C1608 B	TDK	1
C100	S.CERAMIC	8P C1608 CH	TDK	1
C104	S.CERAMIC	0.001 C1005	TDK	1
C105	S.CERAMIC	47P C1005 CH	TDK	1
C106	S.CERAMIC	15P C1608 CH	TDK	1
C107	S.CERAMIC	0.01 C1608 25V B	TDK	1
C109	S.CERAMIC	0.001 C1608 B	TDK	1
C110	S.CERAMIC	20P C1608 CH	TDK	1
C111	S.CERAMIC	0.001 C1005	TDK	1
C112	S.CERAMIC	0.001 C1608 B	TDK	1
C113	S.CERAMIC	0.001 C1608 B	TDK	1
C114	S.CERAMIC	0.001 C1608 B	TDK	1
C115	S.CERAMIC	100P C1608 CH	TDK	1
C116	S.CERAMIC	100P ECU10 CH	MACO	1
C117	S.CERAMIC	0.001 C1608 B	TDK	1
C118	S.CERAMIC	0.001 C1608 B	TDK	1
C119	S.CERAMIC	1 C2012 16V F	TDK	1
C120	S.CERAMIC	0.1 C1608 16V B	TDK	1
C121	S.CERAMIC	220P C1608 CH	TDK	1
C122	S.CERAMIC	220P C1608 CH	TDK	1
C123	S.CERAMIC	0.001 C1005	TDK	1
C124	S.CERAMIC	0.01 C1608 25V B	TDK	1
C125	S.CERAMIC	0.0022 C1608 B	TDK	1
C126	S.CERAMIC	0.0027 C1608 B	TDK	1
C128	S.CERAMIC	1 C2012 16V F	TDK	1
C129	S.TANTALUM	15 6.3V ECST-Y	MACO	1
C132	S.CERAMIC	0.0056 C1608 B	TDK	1
C133	S.CERAMIC	0.1 C1608 16V B	TDK	1
C134	S.CERAMIC	180P C1608 CH	TDK	1
C135	S.CERAMIC	180P C1608 CH	TDK	1

C136	S.CERAMIC	0.0056 C1608 B	TDK	1
C137	S.CERAMIC	0.033 C1608 16V B	TDK	1
C139	S.CERAMIC	0.1 C1608 16V B	TDK	1
C140	S.CERAMIC	0.1 C1608 16V B	TDK	1
C144	S.CERAMIC	0.001 C1608 B	TDK	1
C145	S.ELECTROL	10 16V ECEV-S B	MACO	1
C146	S.CERAMIC	0.22 C1608 10V B	TDK	1
C147	S.CERAMIC	0.1 C1608 16V F	TDK	1
C148	S.CERAMIC	0.01 C1608 25V B	TDK	1
C149	S.CERAMIC	0.1 C1608 16V B	TDK	1
C150	S.TANTALUM	10 6.3V ECST-Y	MACO	1
C151	S.CERAMIC	47P C1608 CH	TDK	1
C152	S.CERAMIC	0.047 C1608 16V B	TDK	1
C153	S.ELECTROL	100 6.3V EEV-FC D	MACO	1
C154	S.TANTALUM	10 6.3V ECST-Y	MACO	1
C155	S.ELECTROL	10 16V ECEV-S B	MACO	1
C156	S.CERAMIC	0.1 C1608 16V B	TDK	1
C158	S.TANTALUM	22 6.3V ECST-Y	MACO	1
C159	S.CERAMIC	470P C1608 B	TDK	1
C160	S.CERAMIC	0.01 C1608 25V B	TDK	1
C161	S.CERAMIC	0.01 C1608 25V B	TDK	1
C162	S.CERAMIC	0.01 C1608 25V B	TDK	1
C163	S.CERAMIC	0.001 C1005	TDK	1
C164	S.CERAMIC	0.001 C1608 B	TDK	1
C165	S.CERAMIC	0.001 C1608 B	TDK	1
C167	S.CERAMIC	47P C1608 CH	TDK	1
C168	S.CERAMIC	0.001 C1608 B	TDK	1
C169	S.CERAMIC	0.001 C1608 B	TDK	1
C173	S.ELECTROL	47 16V ECEV-S D	MACO	1
C174	S.ELECTROL	22 6.3V ECEV-S B	MACO	1
C179	S.CERAMIC	0.01 C1608 25V B	TDK	1
C193	S.CERAMIC	8P C1608 CH	TDK	1
C194	S.CERAMIC	12P C1608 CH	TDK	1
C195	S.CERAMIC	39P C1608 CH	TDK	1
C196	S.CERAMIC	470P C1608 B	TDK	1
C197	S.CERAMIC	0.1 C1608 16V B	TDK	1
C198	S.TANTALUM	2.2 10V ECST-Y	MACO	1
C199	S.CERAMIC	0.1 C1608 16V B	TDK	1
C200	S.CERAMIC	0.033 C1608 16V B	TDK	1
C201	S.CERAMIC	0.1 C1608 16V B	TDK	1
C202	S.CERAMIC	0.01 C1608 25V B	TDK	1
C204	S.CERAMIC	47P C1608 CH	TDK	1
C205	S.CERAMIC	0.001 C1608 B	TDK	1
C209	S.CERAMIC	0.1 C1608 16V B	TDK	1
C211	S.TANTALUM	4.7 6.3V ECST-Y	MACO	1
C212	S.CERAMIC	0.01 C1608 25V B	TDK	1
C213	S.TANTALUM	2.2 10V ECST-Y	MACO	1
C214	S.CERAMIC	0.033 C1608 16V B	TDK	1

C215	S.CERAMIC	0.1 C1608 16V B	TDK	1
C216	S.CERAMIC	0.1 C1005 B	TDK	1
C217	S.CERAMIC	0.1 C1005 B	TDK	1
C218	S.CERAMIC	0.001 ECU10 25V B	MACO	1
C219	S.CERAMIC	0.0082 C1608 B	TDK	1
C221	S.CERAMIC	0.039 C1608 16V B	TDK	1
C222	S.CERAMIC	0.1 C1608 16V B	TDK	1
C223	S.CERAMIC	0.01 C1608 25V B	TDK	1
C224	S.CERAMIC	0.01 C1608 25V B	TDK	1
C225	S.CERAMIC	0.0068 C1608 B	TDK	1
C227	S.CERAMIC	0.1 C1608 16V B	TDK	1
C228	S.CERAMIC	820P C1608 B	TDK	1
C229	S.CERAMIC	0.001 C1608 B	TDK	1
C230	S.CERAMIC	0.022 C1608 16V B	TDK	1
C231	S.CERAMIC	0.1 C1608 16V F	TDK	1
C232	S.CERAMIC	0.1 C1608 16V F	TDK	1
C233	S.CERAMIC	0.001 C1005	TDK	1
C234	S.CERAMIC	0.001 C1005	TDK	1
C236	S.CERAMIC	0.01 C1608 25V B	TDK	1
C243	S.CERAMIC	0.001 C1608 B	TDK	1
C244	S.CERAMIC	0.01 C1608 25V B	TDK	1
C245	S.CERAMIC	0.01 C1608 25V B	TDK	1
C248	S.CERAMIC	0.01 C1608 25V B	TDK	1
C249	S.CERAMIC	0.01 C1608 25V B	TDK	1
C250	S.CERAMIC	0.01 C1608 25V B	TDK	1
C251	S.CERAMIC	0.001 C1608 B	TDK	1
C252	S.CERAMIC	0.001 C1608 B	TDK	1
C282	S.CERAMIC	0.001 C1005	TDK	1
C283	S.CERAMIC	0.001 C1608 B	TDK	1
C285	S.CERAMIC	24P C1608 CH	TDK	1
C286	S.CERAMIC	0.0022 C1608 B	TDK	1
C288	S.CERAMIC	0.001 C1608 B	TDK	1
C289	S.CERAMIC	47P C1608 CH	TDK	1
C291	S.CERAMIC	0.1 C1005 B	TDK	1
C403	S.CERAMIC	47P C1608 CH	TDK	1
C404	S.CERAMIC	0.001 C1608 B	TDK	1
C405	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C406	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C407	S.CERAMIC	47P C1608 CH	TDK	1
C410	S.CERAMIC	8P C1608 CH	TDK	1
C411	S.CERAMIC	3P C1608 CH ñ0.1P	TDK	1
C412	S.CERAMIC	6P C1608 CH ñ0.1P	TDK	1
C413	S.CERAMIC	7P C1608 CH	TDK	1
C414	S.CERAMIC	8P C1608 CH	TDK	1
C416	S.CERAMIC	0.001 C1608 B	TDK	1
C417	S.CERAMIC	0.5P C1608 CH ñ0.1P	TDK	1
C418	S.CERAMIC	7P ECU10 CH	MACO	1
C419	S.CERAMIC	0.3P C1608 CH ñ0.1P	TDK	1

C421	S.CERAMIC	12P C1608 CH	TDK	1
C422	S.CERAMIC	7P C1608 CH	TDK	1
C423	S.CERAMIC	7P C1608 CH	TDK	1
C424	S.CERAMIC	47P C1608 CH	TDK	1
C426	S.CERAMIC	0.001 C1608 B	TDK	1
C427	S.CERAMIC	0.5P C1608 CH	TDK	1
C443	S.CERAMIC	0.047 C1005 B	TDK	1
C450	S.CERAMIC	4P C1608 CH ñ0.1P	TDK	1
C452	S.CERAMIC	8P C1608 CH	TDK	1
C455	S.CERAMIC	10P C1608 CH	TDK	1
C467	S.CERAMIC	7P C1608 CH	TDK	1
C471	S.CERAMIC	47P C1608 CH	TDK	1
C472	S.CERAMIC	47P C1005 CH	TDK	1
C473	S.CERAMIC	47P C1608 CH	TDK	1
C475	S.CERAMIC	0.5P C1608 CH ñ0.1P	TDK	1
C486	S.CERAMIC	5P C1608 CH ñ0.1P	TDK	1
C491	S.TANTALUM	1 25V ECST-Y	MACO	1
C492	S.CERAMIC	10P C1608 CH	TDK	1
C495	S.CERAMIC	0.1 C1005 B	TDK	1
C496	S.CERAMIC	0.0047 C1608 B	TDK	1
C501	S.TANTALUM	10 6.3V ECST-Y	MACO	1
C550	S.TANTALUM	22 6.3V ECST-Y	MACO	1
C551	S.CERAMIC	0.001 C1608 B	TDK	1
C552	S.CERAMIC	0.001 C1608 B	TDK	1
C553	S.CERAMIC	47P C1005 CH	TDK	1
C554	S.CERAMIC	470P C1608 B	TDK	1
C555	S.CERAMIC	4P C1608 CH ñ0.1P	TDK	1
C556	S.CERAMIC	47P C1005 CH	TDK	1
C557	S.CERAMIC	47P C1608 CH	TDK	1
C558	S.CERAMIC	47P C1005 CH	TDK	1
C559	S.CERAMIC	47P C1608 CH	TDK	1
C560	S.CERAMIC	47P C1608 CH	TDK	1
C561	S.CERAMIC	47P C1005 CH	TDK	1
C562	S.CERAMIC	47P C1608 CH	TDK	1
C563	S.CERAMIC	47P C1608 CH	TDK	1
C564	S.CERAMIC	47P C1608 CH	TDK	1
C565	S.CERAMIC	47P C1005 CH	TDK	1
C566	S.CERAMIC	47P C1608 CH	TDK	1
C567	S.CERAMIC	47P C1608 CH	TDK	1
C571	S.CERAMIC	47P C1005 CH	TDK	1
C572	S.CERAMIC	47P C1005 CH	TDK	1
C573	S.CERAMIC	47P C1005 CH	TDK	1
C574	S.CERAMIC	0.001 C1608 B	TDK	1
C659	S.CERAMIC	0.001 C1608 B	TDK	1
C662	S.CERAMIC	0.1 C1005 B	TDK	1
C663	S.CERAMIC	0.047 C1608 16V B	TDK	1
C664	S.CERAMIC	0.001 C1005	TDK	1
C665	S.CERAMIC	47P ECU10 CH	MACO	1

C666	S.CERAMIC	5P C1608 CH ñ0.1P	TDK	1
C669	S.CERAMIC	47P ECU10 CH	MACO	1
C670	S.CERAMIC	470P C1608 B	TDK	1
C672	S.CERAMIC	47P ECU10 CH	MACO	1
C673	S.CERAMIC	47P ECU10 CH	MACO	1
C674	S.CERAMIC	47P ECU10 CH	MACO	1
C675	S.CERAMIC	470P ECU10 25V B	MACO	1
C677	S.CERAMIC	470P ECU10 25V B	MACO	1
C681	S.CERAMIC	0.1 C1005 B	TDK	1
DS1	LCD	LM-1462B	CITIZEN	1
DS2	S.LED	LNJ310M6URA	MACO	1
DS3	S.LED	LNJ310M6URA	MACO	1
D1	S.DIODE	1SV307	TOSHIBA	1
D2	S.DIODE	MA77	MEC	1
D3	S.DIODE	MA77	MEC	1
D4	S.DIODE	MA77	MEC	1
D5	S.VARICAP	HVU350	HITACHI	1
D8	S.DIODE	MA77	MEC	1
D10	S.VARICAP	HVU350	HITACHI	1
D11	S.VARICAP	HVU350	HITACHI	1
D12	S.VARICAP	HVU350	HITACHI	1
D14	S.DIODE	MA77	MEC	1
D26	S.DIODE	DAN202K	ROHM	1
D27	S.DIODE	RB706F-40	ROHM	1
D29	S.ZENER	MA8030 H	MEC	1
D32	S.DIODE	RB706F-40	ROHM	1
D33	S.DIODE	RB706F-40	ROHM	1
D401	S.VARICAP	HVU350	HITACHI	1
D403	S.VARICAP	HVU350	HITACHI	1
D404	S.VARICAP	1T365	SONY	1
EP10	S.BEAD	BLM11B221SB	MURATA	1
EP11	S.BEAD	BLM11B221SB	MURATA	1
EP12	S.BEAD	BLM11B221SB	MURATA	1
EP13	S.BEAD	BLM11B221SB	MURATA	1
EP14	S.BEAD	BLM11B221SB	MURATA	1
FI1	S.XTAL	FL-313	DAISHINKU	1
FI2	S.CERAMIC	SFPC450G	MURATA	1
IC1	S.IC	UPD3140GS	NEC	1
IC2	S.IC	TA31136FN(D)	TOSHIBA	1
IC3	S.IC	NJM3403AM-T1	JRC	1
IC4	S.IC	BU4066BCFV	ROHM	1
IC5	S.IC	TA7368F	TOSHIBA	1
IC6	S.IC	TK11250BM	TOKO	1
IC7	S.IC	HN58X2432TI	HITACHI	1
IC8	S.IC	HD6473877H	HITACHI	1
IC10	S.IC	M62363FP-650C	MITSUBISHI	1
IC11	S.IC	S-80942ANMP-DD6	SEIKO	1
IC12	S.IC	NJM2904V	JRC	1

IC13	S.IC	TA75S01F	TOSHIBA	1
J2	CONNECTOR	HSJ1122-010010	HOSIDEN	1
J3	CONNECTOR	HSJ1456-01-220A	HOSIDEN	1
J5	S.CONNECTOR	AXN330C038	MATUSITA DENKO	1
J6	S.CONNECTOR	BM02B-ASRS-TF	NICHIATSU	1
L1	S.COIL	0.30-0.9-4TL 10.5N	UCHIDA	1
L2	S.COIL	0.30-0.9-4TL 10.5N	UCHIDA	1
L4	S.COIL	0.30-0.9-4TL 10.5N	UCHIDA	1
L7	S.COIL	ELJRE 10NG 10N	MACO	1
L8	S.COIL	ELJRE 22NG 22N	MACO	1
L9	S.COIL	ELJRE 22NG 22N	MACO	1
L11	S.COIL	MC152-E558ANA-100050	TOKO	1
L12	S.COIL	MLF1608A 4R7K 4.7U	TDK	1
L13	S.COIL	MLF1608A 1R0K 1U	TDK	1
L14	S.COIL	ELJRE 15NG 15N	MACO	1
L15	S.COIL	0.30-0.9-5TL 14N	UCHIDA	1
L17	S.COIL	LQN21A 8N2D04 8.2N	MURATA	1
L18	S.COIL	LQN21A 8N2D04 8.2N	MURATA	1
L19	S.COIL	LQN21A 8N2D04 8.2N	MURATA	1
L20	S.COIL	NL252018T R82J 0.82U	TDK	1
L21	S.COIL	ELJRE 33NG 33N	MACO	1
L22	S.COIL	0.30-0.9-5TL 14N	UCHIDA	1
L24	S.COIL	LQW1608A R22G00	MURATA	1
L25	S.COIL	MLF1608D R82K 0.82U	TDK	1
L26	S.COIL	EXCCL3225U	MACO	1
L31	S.COIL	0.3-0.9-2TR	UCHIDA	1
L33	S.COIL	NL252018T 390J 39U	TDK	1
L402	S.COIL	LQN21A 8N2D04 8.2N	MURATA	1
L404	S.COIL	MLF1608A 1R8K 1.8U	TDK	1
L405	S.COIL	MC152-E558ANA-100050	TOKO	1
L406	S.COIL	MLF1608A 1R8K 1.8U	TDK	1
L407	S.COIL	MLF1608A 4R7K 4.7U	TDK	1
L411	S.COIL	ELJRE 22NG 22N	MACO	1
L441	S.COIL	MLF1608A 1R0K 1U	TDK	1
L442	S.COIL	MLF1608D R10K 0.10U	TDK	1
L443	S.COIL	BLM21P300S	MURATA	1
MC1	MICROPHON	KUC3523-040245	HOSIDEN	1
MP5	S.HEATSINK	2078 PA HEATSINK	YASAKA	1
Q1	S.FET	2SK2974	MITSUBISHI	1
Q2	S.FET	2SK2973	MITSUBISHI	1
Q3	S.TRANSISTOR	2SC3585 R44	NEC	1
Q4	S.TRANSISTOR	2SC5107 O	TOSHIBA	1
Q5	S.TRANSISTOR	2SC5107 O	TOSHIBA	1
Q6	S.TRANSISTOR	2SC5107 O	TOSHIBA	1
Q7	S.TRANSISTOR	2SC5085 Y	TOSHIBA	1
Q8	S.TRANSISTOR	2SC5085 Y	TOSHIBA	1
Q10	S.TRANSISTOR	2SC4116 GR	TOSHIBA	1
Q11	S.TRANSISTOR	XP6501 AB	MEC	1

Q12	S.FET	3SK239A	HITACHI	1
Q13	S.FET	3SK239A	HITACHI	1
Q14	S.TRANSISTOR	2SC4215 O	TOSHIBA	1
Q15	S.TRANSISTOR	2SB1132 R	ROHM	1
Q16	S.TRANSISTOR	XP6501 AB	MEC	1
Q17	S.TRANSISTOR	UN911H	MEC	1
Q18	S.TRANSISTOR	2SB1132 R	ROHM	1
Q19	S.TRANSISTOR	XP6501 AB	MEC	1
Q20	S.TRANSISTOR	DTA144EU	ROHM	1
Q21	S.TRANSISTOR	2SA1577 Q	ROHM	1
Q22	S.TRANSISTOR	2SA1577 Q	ROHM	1
Q25	S.TRANSISTOR	2SC4116 GR	TOSHIBA	1
Q31	S.TRANSISTOR	DTC144TU	ROHM	1
Q33	S.TRANSISTOR	DTC144EU	ROHM	1
Q34	S.FET	2SK880 Y	TOSHIBA	1
Q35	S.TRANSISTOR	2SC4116 GR	TOSHIBA	1
Q36	S.TRANSISTOR	2SC4116 GR	TOSHIBA	1
Q37	S.TRANSISTOR	DTA144EU	ROHM	1
Q38	S.TRANSISTOR	DTC144EE	ROHM	1
Q401	S.TRANSISTOR	XP1214	MATSUSHITA	1
Q402	S.TRANSISTOR	DTC144EU	ROHM	1
Q403	S.TRANSISTOR	2SC5107 O	TOSHIBA	1
Q404	S.FET	2SJ364 Q	MACO	1
R1	S.RESISTOR	82K ERJ3GE	MACO	1
R2	S.RESISTOR	15K ERJ3GE	MACO	1
R3	S.RESISTOR	15K ERJ3GE	MACO	1
R7	S.RESISTOR	100 ERJ2GE	MACO	1
R9	S.RESISTOR	10K ERJ2GE	MACO	1
R12	S.RESISTOR	3.3K ERJ2GE	MACO	1
R13	S.RESISTOR	10 ERJ2GE	MACO	1
R14	S.RESISTOR	100 ERJ3GE	MACO	1
R15	S.RESISTOR	10K ERJ2GE	MACO	1
R17	S.RESISTOR	4.7K ERJ2GE	MACO	1
R18	S.RESISTOR	47K ERJ3GE	MACO	1
R19	S.RESISTOR	100 ERJ2GE	MACO	1
R20	S.RESISTOR	68K ERJ3GE	MACO	1
R21	S.RESISTOR	220 ERJ3GE	MACO	1
R22	S.RESISTOR	68K ERJ3GE	MACO	1
R23	S.RESISTOR	100 ERJ3GE	MACO	1
R30	S.RESISTOR	2.2K ERJ3GE	MACO	1
R32	S.RESISTOR	6.8K ERJ3GE	MACO	1
R33	S.RESISTOR	3.9K ERJ2GE	MACO	1
R34	S.RESISTOR	1K ERJ2GE	MACO	1
R41	S.RESISTOR	47 ERJ2GE	MACO	1
R44	S.RESISTOR	10K ERJ3GE	MACO	1
R48	S.RESISTOR	100K ERJ2GE	MACO	1
R49	S.RESISTOR	39K ERJ3GE	MACO	1
R50	S.RESISTOR	390K ERJ3GE	MACO	1

R51	S.RESISTOR	470K ERJ3GE	MACO	1
R52	S.RESISTOR	150K ERJ3GE	MACO	1
R53	S.RESISTOR	10K ERJ3GE	MACO	1
R54	S.RESISTOR	150K ERJ3GE	MACO	1
R55	S.RESISTOR	1K ERJ3GE	MACO	1
R59	S.RESISTOR	150 ERJ3GE	MACO	1
R61	S.RESISTOR	47 ERJ3GE	MACO	1
R62	S.RESISTOR	220K ERJ3GE	MACO	1
R63	S.RESISTOR	10K ERJ3GE	MACO	1
R64	S.RESISTOR	220K ERJ3GE	MACO	1
R65	S.RESISTOR	10K ERJ2GE	MACO	1
R66	S.RESISTOR	150K ERJ3GE	MACO	1
R67	S.RESISTOR	10K ERJ3GE	MACO	1
R68	S.RESISTOR	10K ERJ3GE	MACO	1
R69	S.RESISTOR	1K ERJ3GE	MACO	1
R70	S.RESISTOR	4.7K ERJ3GE	MACO	1
R72	S.RESISTOR	47K ERJ3GE	MACO	1
R75	S.RESISTOR	180 ERJ3GE	MACO	1
R77	S.RESISTOR	100 ERJ3GE	MACO	1
R79	S.RESISTOR	180 ERJ3GE	MACO	1
R80	S.RESISTOR	120K ERJ2GE	MACO	1
R81	S.RESISTOR	1K ERJ2GE	MACO	1
R82	S.RESISTOR	3.9K ERJ3GE	MACO	1
R83	S.RESISTOR	330 ERJ3GE	MACO	1
R84	S.RESISTOR	47 ERJ3GE	MACO	1
R85	S.RESISTOR	1.5K ERJ3GE	MACO	1
R86	S.RESISTOR	47K ERJ3GE	MACO	1
R87	S.RESISTOR	2.2K ERJ3GE	MACO	1
R88	S.RESISTOR	33K ERJ3GE	MACO	1
R89	S.RESISTOR	1.2K ERJ3GE	MACO	1
R90	S.RESISTOR	680K ERJ3GE	MACO	1
R93	S.RESISTOR	27K ERJ3GE	MACO	1
R94	S.RESISTOR	1M ERJ3GE	MACO	1
R95	S.RESISTOR	1M ERJ3GE	MACO	1
R96	S.RESISTOR	47K ERJ3GE	MACO	1
R97	S.RESISTOR	220K ERJ3GE	MACO	1
R98	S.RESISTOR	180K ERJ3GE	MACO	1
R99	S.RESISTOR	18K ERJ3GE	MACO	1
R100	S.RESISTOR	2.2K RR0816P D	SUSUMU	1
R101	S.RESISTOR	1M ERJ3GE	MACO	1
R102	S.RESISTOR	10 ERJ3GE	MACO	1
R103	S.RESISTOR	12K ERJ3GE	MACO	1
R104	S.RESISTOR	100K ERJ3GE	MACO	1
R105	S.RESISTOR	470 ERJ3GE	MACO	1
R107	S.RESISTOR	150K ERJ3GE	MACO	1
R108	S.RESISTOR	180K ERJ3GE	MACO	1
R109	S.RESISTOR	10K ERJ2GE	MACO	1
R112	S.RESISTOR	1M ERJ3GE	MACO	1

R113	S.RESISTOR	68K ERJ3GE	MACO	1
R114	S.RESISTOR	33K ERJ3GE	MACO	1
R115	S.RESISTOR	120K ERJ2GE	MACO	1
R116	S.RESISTOR	1K ERJ2GE	MACO	1
R117	S.RESISTOR	1.5K ERJ3GE	MACO	1
R120	S.RESISTOR	68K ERJ3GE	MACO	1
R121	S.RESISTOR	1K ERJ3GE	MACO	1
R122	S.RESISTOR	2.7K ERJ3GE	MACO	1
R123	S.RESISTOR	3.3K ERJ3GE	MACO	1
R125	S.RESISTOR	27K ERJ3GE	MACO	1
R126	S.RESISTOR	10K ERJ3GE	MACO	1
R127	S.RESISTOR	33 ERJ3GE	MACO	1
R128	S.RESISTOR	10 ERJ3GE	MACO	1
R130	S.RESISTOR	100K ERJ3GE	MACO	1
R131	S.RESISTOR	470 ERJ3GE	MACO	1
R132	S.RESISTOR	470 ERJ3GE	MACO	1
R133	S.RESISTOR	4.7 ERJ3GE	MACO	1
R134	S.RESISTOR	2.2K ERJ3GE	MACO	1
R135	S.RESISTOR	10K ERJ3GE	MACO	1
R136	S.RESISTOR	100 ERJ3GE	MACO	1
R137	S.RESISTOR	100 ERJ3GE	MACO	1
R139	S.RESISTOR	4.7K ERJ3GE	MACO	1
R140	S.RESISTOR	100K ERJ3GE	MACO	1
R141	S.RESISTOR	4.7K ERJ3GE	MACO	1
R142	S.RESISTOR	100 ERJ2GE	MACO	1
R143	VARIABLE	TP76N00N-15F-10KA-2251	COSMOS	1
R144	S.RESISTOR	33K ERJ3GE	MACO	1
R145	S.RESISTOR	1M ERJ3GE	MACO	1
R146	S.RESISTOR	12K ERJ3GE	MACO	1
R147	S.RESISTOR	12K ERJ3GE	MACO	1
R148	S.RESISTOR	47K ERJ3GE	MACO	1
R150	S.RESISTOR	470 ERJ3GE	MACO	1
R152	S.RESISTOR	470K ERJ2GE	MACO	1
R153	S.RESISTOR	470K ERJ2GE	MACO	1
R154	S.RESISTOR	470K ERJ2GE	MACO	1
R155	S.RESISTOR	100 ERJ3GE	MACO	1
R159	S.RESISTOR	100K ERJ3GE	MACO	1
R160	S.RESISTOR	100 ERJ3GE	MACO	1
R161	S.RESISTOR	1K ERJ3GE	MACO	1
R162	S.RESISTOR	1K ERJ3GE	MACO	1
R163	S.RESISTOR	10K ERJ3GE	MACO	1
R164	S.RESISTOR	120K ERJ2GE	MACO	1
R165	S.RESISTOR	120K ERJ2GE	MACO	1
R168	S.RESISTOR	10K ERJ3GE	MACO	1
R169	S.RESISTOR	10K ERJ3GE	MACO	1
R170	S.RESISTOR	10K ERJ3GE	MACO	1
R171	S.RESISTOR	47K ERJ3GE	MACO	1
R174	S.RESISTOR	15K ERJ3GE	MACO	1

R176	S.RESISTOR	3.9K ERJ3GE	MACO	1
R177	S.RESISTOR	1K ERJ3GE	MACO	1
R178	S.RESISTOR	3.3K RR0816P D	SUSUMU	1
R181	S.RESISTOR	100K RR0816R D	SUSUMU	1
R182	S.THERMISTOR	NTCCM20124AG473JCT	TDK	1
R184	S.RESISTOR	10K ERJ2GE	MACO	1
R185	S.RESISTOR	1K ERJ2GE	MACO	1
R186	S.RESISTOR	47K ERJ2GE	MACO	1
R190	S.RESISTOR	22K ERJ3GE	MACO	1
R191	S.RESISTOR	22K ERJ3GE	MACO	1
R192	S.RESISTOR	22K ERJ3GE	MACO	1
R193	S.RESISTOR	100K ERJ3GE	MACO	1
R194	S.RESISTOR	100K ERJ3GE	MACO	1
R195	S.RESISTOR	100K ERJ3GE	MACO	1
R196	S.RESISTOR	100K ERJ3GE	MACO	1
R197	S.RESISTOR	220K ERJ3GE	MACO	1
R198	S.RESISTOR	18K ERJ3GE	MACO	1
R199	S.RESISTOR	47K ERJ3GE	MACO	1
R200	S.RESISTOR	47K ERJ3GE	MACO	1
R202	S.RESISTOR	47K ERJ2GE	MACO	1
R203	S.RESISTOR	47K ERJ3GE	MACO	1
R204	S.RESISTOR	3.3K ERJ3GE	MACO	1
R205	S.RESISTOR	1.5K ERJ3GE	MACO	1
R207	S.RESISTOR	47K ERJ3GE	MACO	1
R208	S.RESISTOR	100K ERJ3GE	MACO	1
R209	S.RESISTOR	100K ERJ3GE	MACO	1
R210	S.RESISTOR	2.2K ERJ3GE	MACO	1
R211	S.RESISTOR	120K ERJ3GE	MACO	1
R212	S.RESISTOR	68K ERJ3GE	MACO	1
R213	S.RESISTOR	470 ERJ3GE	MACO	1
R215	S.RESISTOR	100K RR0816R D	SUSUMU	1
R216	S.RESISTOR	100K RR0816R D	SUSUMU	1
R218	S.RESISTOR	120K ERJ3GE	MACO	1
R219	S.RESISTOR	120K ERJ3GE	MACO	1
R220	S.RESISTOR	330K ERJ3GE	MACO	1
R221	S.RESISTOR	390K ERJ3GE	MACO	1
R223	S.RESISTOR	120K ERJ2GE	MACO	1
R224	S.RESISTOR	27K ERJ3GE	MACO	1
R225	S.RESISTOR	100K ERJ3GE	MACO	1
R226	S.ARRAY	EXB-V8V 1K	MACO	1
R227	S.RESISTOR	47K ERJ2GE	MACO	1
R228	S.RESISTOR	10K ERJ3GE	MACO	1
R229	S.RESISTOR	180K ERJ3GE	MACO	1
R230	S.RESISTOR	56K ERJ3GE	MACO	1
R231	S.RESISTOR	22K ERJ3GE	MACO	1
R232	S.ARRAY	EXB-V8V 1K	MACO	1
R234	S.RESISTOR	22K ERJ3GE	MACO	1
R235	S.RESISTOR	680K ERJ3GE	MACO	1

R236	S.ARRAY	EXB-V8V 1K	MACO	1
R237	S.ARRAY	EXB-V8V 1K	MACO	1
R238	S.ARRAY	EXB-V8V 1K	MACO	1
R239	S.RESISTOR	1K ERJ3GE	MACO	1
R240	S.RESISTOR	1K ERJ3GE	MACO	1
R241	S.RESISTOR	1M ERJ3GE	MACO	1
R242	S.RESISTOR	1M ERJ3GE	MACO	1
R243	S.RESISTOR	1M ERJ3GE	MACO	1
R244	S.RESISTOR	100K ERJ2GE	MACO	1
R245	S.RESISTOR	100K ERJ3GE	MACO	1
R246	S.RESISTOR	100K ERJ3GE	MACO	1
R251	S.RESISTOR	330K ERJ3GE	MACO	1
R252	S.RESISTOR	4.7K ERJ3GE	MACO	1
R253	S.RESISTOR	470 ERJ3GE	MACO	1
R257	S.RESISTOR	1 ERJ3GE	MACO	1
R258	S.RESISTOR	33K ERJ3GE	MACO	1
R260	S.RESISTOR	10K ERJ3GE	MACO	1
R261	S.RESISTOR	10K ERJ3GE	MACO	1
R262	S.RESISTOR	1 ERJ3GE	MACO	1
R401	S.RESISTOR	100K ERJ3GE	MACO	1
R402	S.RESISTOR	47K ERJ3GE	MACO	1
R404	S.RESISTOR	220K ERJ3GE	MACO	1
R405	S.RESISTOR	10K ERJ3GE	MACO	1
R410	S.RESISTOR	3.3K ERJ3GE	MACO	1
R411	S.RESISTOR	2.7K ERJ3GE	MACO	1
R413	S.RESISTOR	22 ERJ3GE	MACO	1
R414	S.RESISTOR	390 ERJ3GE	MACO	1
R416	S.RESISTOR	3.3K ERJ3GE	MACO	1
R417	S.RESISTOR	3.3K ERJ3GE	MACO	1
R420	S.RESISTOR	470 ERJ3GE	MACO	1
R421	S.RESISTOR	10K ERJ2GE	MACO	1
R422	S.RESISTOR	120K ERJ3GE	MACO	1
R445	S.RESISTOR	220 ERJ3GE	MACO	1
R446	S.RESISTOR	56K ERJ3GE	MACO	1
R447	S.RESISTOR	470 ERJ2GE	MACO	1
R448	S.RESISTOR	12 ERJ3GE	MACO	1
R449	S.RESISTOR	470 ERJ2GE	MACO	1
R457	S.RESISTOR	100 ERJ2GE	MACO	1
R458	S.RESISTOR	1K ERJ3GE	MACO	1
R464	S.RESISTOR	1K ERJ3GE	MACO	1
R465	S.RESISTOR	33 ERJ3GE	MACO	1
R469	S.RESISTOR	2.7K ERJ3GE	MACO	1
R473	S.RESISTOR	47 ERJ2GE	MACO	1
R500	S.RESISTOR	100K ERJ3GE	MACO	1
R501	S.RESISTOR	18K ERJ3GE	MACO	1
R502	S.RESISTOR	1K ERJ2GE	MACO	1
R503	S.RESISTOR	10K ERJ2GE	MACO	1
R504	S.RESISTOR	330 ERJ3GE	MACO	1

R505	S.RESISTOR	1K ERJ3GE	MACO	1
R506	S.RESISTOR	1K ERJ3GE	MACO	1
R507	S.RESISTOR	1K ERJ2GE	MACO	1
R508	S.RESISTOR	1K ERJ2GE	MACO	1
R509	S.RESISTOR	10K ERJ2GE	MACO	1
R510	S.RESISTOR	1K ERJ3GE	MACO	1
R511	S.RESISTOR	39K ERJ2GE	MACO	1
R512	S.RESISTOR	2.7K ERJ3GE	MACO	1
R515	S.RESISTOR	120K ERJ2GE	MACO	1
R516	S.RESISTOR	15K ERJ3GE	MACO	1
R517	S.RESISTOR	180K ERJ2GE	MACO	1
R518	S.RESISTOR	1K ERJ2GE	MACO	1
R519	S.RESISTOR	1K ERJ2GE	MACO	1
R520	S.RESISTOR	330 ERJ2GE	MACO	1
R521	S.RESISTOR	330 ERJ2GE	MACO	1
R522	S.RESISTOR	10 ERJ3GE	MACO	1
R523	S.RESISTOR	3.9K ERJ2GE	MACO	1
R524	S.THERMISTOR	NTCCM16084BH223KC	TDK	1
R525	S.RESISTOR	1K ERJ2GE	MACO	1
R526	S.RESISTOR	1K ERJ2GE	MACO	1
R527	S.RESISTOR	1K ERJ2GE	MACO	1
R528	S.RESISTOR	1K ERJ2GE	MACO	1
R529	S.RESISTOR	1K ERJ2GE	MACO	1
R530	S.RESISTOR	100 ERJ2GE	MACO	1
R532	S.RESISTOR	470K ERJ3GE	MACO	1
R533	S.RESISTOR	2.2M ERJ3GE	MACO	1
R534	S.RESISTOR	1K ERJ3GE	MACO	1
S1	S.SWITCH	JPM1990-2013R	SMK	1
S2	S.SWITCH	JPM1990-2013R	SMK	1
S3	S.SWITCH	JPM1990-2013R	SMK	1
W5	S.JUMPER	MJ-0.1	MAKKUEITO	1
W10	S.JUMPER	ERJ3GE-JPW	MACO	1
W11	S.JUMPER	ERJ3GE-JPW	MACO	1
W12	S.JUMPER	ERJ3GE-JPW	MACO	1
W15	S.JUMPER	ERJ2GE-JPW	MACO	1
X2	S.XTAL	CR-663	DAISHINKU	1
X3	S.DISCRI	CDBCA450CX24	MURATA	1
X4	S.XTAL	CR-662	DAISHINKU	1