

Item	Part Type	VALUE	Description	Qty	Reference	VENDOR
1	CHIP CERAMIC CAPCITOR	0.018U	GRM39 X7R 183K 50V	1	C112	MURATA
2	CHIP CERAMIC CAPCITOR	0.01U	GRM39 X7R 103K 50V	24	C2,C3,C4,C6,C7,C29,C31,C35,C39,C40,C41,C57,C62,C68,C82,C83,C97,C109,C114,C139,C140,C145,C160,R80	MURATA
3	CHIP CERAMIC CAPCITOR	0.022U	GRM39 X7R 223K 50V	6	C65,C74,C78,C79,C86,C120	MURATA
4	CHIP CERAMIC CAPCITOR	0.027U	GRM39 X7R 273K 50V	1	C101	MURATA
5	CHIP CERAMIC CAPCITOR	0.033U	GRM39 X7R 333K 50V	1	C100	MURATA
6	CHIP CERAMIC CAPCITOR	0.047U	GRM39 X7R 473K 50V	8	C66,C73,C91,C102,C105,C115,C123,C122	MURATA
7	CHIP CERAMIC CAPCITOR	0.056U	GRM39 X7R 563K 50V	2	C99,C110	MURATA
8	CHIP CERAMIC CAPCITOR	0.1U(K)	GRM39 X7R 104K 50V	6	C8,C13,C14,C15,C16,C158	MURATA
9	CHIP CERAMIC CAPCITOR	0.1U	GRM39 Y5V 104Z 50V	31	C18,C36,C54,C77,C80,C81,C84,C92,C107,C116,C121,C125,C126,C127,C133,C134,C135,C136,C137,C152,C153,C161,C165,C166,C186,C187,C188,C189,C190,C191,R225	MURATA
10	CHIP CERAMIC CAPCITOR	0.22U(K)	GRM39 X7R 224K 50V	2	C118,C119	MURATA
11	CHIP CERAMIC CAPCITOR	0.5P	GRM39 COG 0R5C 50V	2	C162,C163	MURATA
12	CHIP CERAMIC CAPCITOR	1000P	GRM39 X7R 102K 50V	3	C44,C128,C193	MURATA
13	CHIP CERAMIC CAPCITOR	100P	GRM39 COG 101J 50V	1	C9	MURATA
14	CHIP CERAMIC CAPCITOR	10P	GRM39 COG 100C 50V	6	C1,C51,C56,C148,C149,C151	MURATA
15	CHIP CERAMIC CAPCITOR	12P	GRM39 COG 120J 50V	1	C72	MURATA
16	CHIP CERAMIC CAPCITOR	15P	GRM39 COG 150J 50V	4	C23,C42,C95,C96	MURATA
17	CHIP CERAMIC CAPCITOR	1.8P	GRM39 COG 1R8C 50V	1	C164	MURATA
18	CHIP CERAMIC CAPCITOR	1U	GRM39 Y5V 105Z 50V	2	C132,C171	MURATA
19	CHIP CERAMIC CAPCITOR	20P	GRM39 COG 200J 50V	2	C58,C169	MURATA
20	CHIP CERAMIC CAPCITOR	2200P	GRM39 X7R 222K 50V	5	C10,C12,C111,C167,C173	MURATA
21	CHIP CERAMIC CAPCITOR	22P	GRM39 COG 220J 50V	4	C25,C37,C38,C47	MURATA
22	CHIP CERAMIC CAPCITOR	2P	GRM39 COG 020C 50V	2	C159,C182	MURATA
23	CHIP CERAMIC CAPCITOR	3300P	GRM39 X7R 332K 50V	1	C174	MURATA
24	CHIP CERAMIC CAPCITOR	33P	GRM39 COG 330J 50V	4	C28,C60,C71,C142	MURATA
25	CHIP CERAMIC CAPCITOR	39P	GRM39 COG 390J 50V	1	C179	MURATA
26	CHIP CERAMIC CAPCITOR	3P	GRM39 COG 030C 50V	7	C11,C26,C34,C76,C85,C178,C181	MURATA
27	CHIP CERAMIC CAPCITOR	4.7U	GRM40 Y5V 475Z 50V	9	C17,C27,C63,C89,C90,C94,C129,C150,C154	MURATA
28	CHIP CERAMIC CAPCITOR	4700P	GRM39 X7R 472K 50V	2	C98,C131	MURATA
29	CHIP CERAMIC CAPCITOR	470P	GRM39 X7R 471K 50V	9	C22,C50,C52,C70,C124,C155,C156,C170,C180	MURATA
30	CHIP CERAMIC CAPCITOR	47P	GRM39 COG 470J 50V	4	C48,C168,C177,C183	MURATA
31	CHIP CERAMIC CAPCITOR	4P	GRM39 COG 040C 50V	4	C49,C53,C144,C147	MURATA
32	CHIP CERAMIC CAPCITOR	560P	GRM39 X7R 561K 50V	2	C106,C108	MURATA
33	CHIP CERAMIC CAPCITOR	5P	GRM39 COG 050C 50V	4	C21,C30,C146,C157	MURATA
34	CHIP CERAMIC CAPCITOR	6P	GRM39 COG 060C 50V	5	C19,C24,C55,C61,C69	MURATA
35	CHIP CERAMIC CAPCITOR	7P	GRM39 COG 070C 50V	1	C67	MURATA
36	CHIP CERAMIC CAPCITOR	8P	GRM39 COG 080C 50V	8	C5,C20,C46,C141,C192,C75	MURATA
37	CHIP RESISTOR	0R	0R0 5% 1/16W J	10	L26,LK3,LK4,R73,R128,R138,R210,R211,C64,R35	R. OHM KOREA
38	CHIP RESISTOR	0R1	0R1 1% 1W J	1	R34	DELTA CORPORATION
39	CHIP RESISTOR	1.5K	152 5% 1/16W J	1	R188	R. OHM KOREA
40	CHIP RESISTOR	1.8K	182 5% 1/16W J	2	R50,R60	R. OHM KOREA
41	CHIP RESISTOR	100K	104 5% 1/16W J	17	R18,R47,R61,R66,R83,R84,R86,R87,R139,R140,R141,R142,R158,R174,R181,R222,R239	R. OHM KOREA
42	CHIP RESISTOR	100R	101 5% 1/16W J	11	R2,R7,R17,R68,R99,R103,R145,R146,R161,R167,R217	R. OHM KOREA

43	CHIP RESISTOR	10K	103 5% 1/16W J	27	R8,R20,R23,R25,R26,R39,R42,R43,R44,R45,R46,R102, R118,R119,R121,R123,R126,R131,R147,R164,R165,R196,R197 ,R198,R204,R207,R232	R. OHM KOREA
44	CHIP RESISTOR	10R	100 5% 1/16W J	4	R129,R133,R212,R213	R. OHM KOREA
45	CHIP RESISTOR	120K	124 5% 1/16W J	1	R105	R. OHM KOREA
46	CHIP RESISTOR	12K	123 5% 1/16W J	1	R95	R. OHM KOREA
47	CHIP RESISTOR	150K	154 5% 1/16W J	2	R37,R85	R. OHM KOREA
48	CHIP RESISTOR	15K	153 5% 1/16W J	5	R6,R144,R203,R229,R230	R. OHM KOREA
49	CHIP RESISTOR	180R	181 5% 1/16W J	4	R22,R58,R160,R162	R. OHM KOREA
50	CHIP RESISTOR	1K	102 5% 1/16W J	9	R19,R24,R30,R31,R51,R62,R109,R127,R176	R. OHM KOREA
51	CHIP RESISTOR	1M	105 5% 1/16W J	1	R64	R. OHM KOREA
52	CHIP RESISTOR	2.2K	222 5% 1/16W J	4	R74,R78,R100,R154	R. OHM KOREA
53	CHIP RESISTOR	2.7K	272 5% 1/16WJ	5	R21,R28,R71,R96,R151	R. OHM KOREA
54	CHIP RESISTOR	200K	204 5% 1/16W J	2	R65,R135	R. OHM KOREA
55	CHIP RESISTOR	20K	203 5% 1/16W J	2	R63,R110	R. OHM KOREA
56	CHIP RESISTOR	220K	224 5% 1/16W J	6	R48,R82,R92,R157,R173,R220	R. OHM KOREA
57	CHIP RESISTOR	270K(1%)	274 1% 1/16W J	2	R38,R59	R. OHM KOREA
58	CHIP RESISTOR	220R	221 5% 1/16W J	5	R4,R9,R11,R33,R156	R. OHM KOREA
59	CHIP RESISTOR	22K	223 5% 1/16W J	11	R40,R49,R75,R120,R122,R124,R170,R171,R172,R180,R200	R. OHM KOREA
60	CHIP RESISTOR	27K	273 5% 1/16W J	4	C104,R91,R148,R150	R. OHM KOREA
61	CHIP RESISTOR	3.3K	332 5% 1/16W J	5	R10,R29,R101,R168,R27	R. OHM KOREA
62	CHIP RESISTOR	3.9K	392 5% 1/16W J	2	R54,R77	R. OHM KOREA
63	CHIP RESISTOR	330K	334 5% 1/16W J	3	R106,R130,R136	R. OHM KOREA
64	CHIP RESISTOR	33K	333 5% 1/16W J	6	R89,R90,R111,R177,R201,R215	R. OHM KOREA
65	CHIP RESISTOR	39K	393 5% 1/16W J	2	R81,R88	R. OHM KOREA
66	CHIP RESISTOR	39R	390 5% 1/16W J	1	R163	R. OHM KOREA
67	CHIP RESISTOR	3K	302 5% 1/16W J	1	R108	R. OHM KOREA
68	CHIP RESISTOR	4.7K	472 5% 1/16W J	8	R3,R41,R107,R134,R152,R199,R218,R219	R. OHM KOREA
69	CHIP RESISTOR	4.7M	475 5% 1/16W J	3	R93,R202,R224	R. OHM KOREA
70	CHIP RESISTOR	470K	474 5% 1/16W J	3	R52,R72,R214	R. OHM KOREA
71	CHIP RESISTOR	470R	471 5% 1/16W J	2	R112,R113	R. OHM KOREA
72	CHIP RESISTOR	47K	473 5% 1/16W J	28	R14,R32,R36,R57,R69,R70,R104,R114,R116,R117,R175,R189, R190,R191,R192,R193,R194,R195,R205,R208,R221,R226,R227 ,R228,R231,R233,R234,R235	R. OHM KOREA
73	CHIP RESISTOR	47R	470 5% 1/16W J	3	R12,R155,R143	R. OHM KOREA
74	CHIP RESISTOR	51K	513 5% 1/16W J	2	R67,R159	R. OHM KOREA
75	CHIP RESISTOR	560K	564 5% 1/16W J	1	R76	R. OHM KOREA
76	CHIP RESISTOR	56K	563 5% 1/16W J	2	R1,R125	R. OHM KOREA
77	CHIP RESISTOR	6.8K	682 5% 1/16W J	3	R16,R149,R153	R. OHM KOREA
78	CHIP RESISTOR	62K	623 5% 1/16W J	2	R13,R53	R. OHM KOREA
79	CHIP RESISTOR	680K	684 5% 1/16W J	2	R15,R115	R. OHM KOREA
80	CHIP RESISTOR	68K(1%)	683 1% 1/16W J	2	R94,R98	R. OHM KOREA
81	CHIP RESISTOR	68R	680 5% 1/16W J	1	R5	R. OHM KOREA
82	CHIP RESISTOR	8.2K	822 5% 1/16W J	2	C103,R55	R. OHM KOREA
83	COIL IND 0.28-1.1-6TL SMD	28116TL	28116TL	4	L6,L16,L18,L19	DAELIM
84	COIL IND 0.3-1.1-3TL SMD	30113TL	30113TL	1	L21	DAELIM
85	COIL IND 0.35-1.6-7TL SMD	35167TL	35167TL	1	L11	DAELIM

86	COIL IND 0.45-1.4-3TL SMD	45143TL	45143TL	1	L4	DAELIM
87	COIL IND 0.45-1.4-5TL SMD	45145TL	45145TL	1	L7	DAELIM
88	COIL IND 0.5-1.4-4TL SMD	50144TL	50144TL	2	L9,L10	DAELIM
89	CHIP INDUCTOR 0603 33NH	33NH	0603HS-330NTJBC	1	L27	TAIYOYUDEN
90	CHIP INDUCTOR 0603 100NH	100NH	0603HS-R10NTJBC	1	L1	TAIYOYUDEN
91	CHIP INDUCTOR 0603 1UH	1UH	0603HS-105NTJBC	3	L3,L24,L25	TAIYOYUDEN
92	CHIP INDUCTOR 0603 220NH	220NH	0603HS-R22NTJBC	4	L5,L15,L29,L32	TAIYOYUDEN
93	CHIP INDUCTOR 0603 27NH	27NH	0603HS-270NTJBC	3	L2,L17,L22	TAIYOYUDEN
94	CHIP INDUCTOR 0603 47NH	47NH	0603HS-470NTJBC	1	L23	TAIYOYUDEN
95	CHIP INDUCTOR 0603 6.8NH	6.8NH	0603HS-6N8TJBC	1	L12	TAIYOYUDEN
96	CHIP INDUCTOR 0603 820NH	820NH	0603HS-821NTJBC	1	L14	TAIYOYUDEN
97	CHIP INDUCTOR 0603 8.2NH	8.2NH	0603HS-8N2NTJBC	1	L28	TAIYOYUDEN
98	SWITCH DIODE	KDS114	KDS114	3	D5,D9,D12	KEC
99	DIODE DUAL SWITCHING KDS181	KDS181	KEC	3	D1,D16,D17	KEC
100	DUAL DIODE KDS226	KDS226	KDS226	5	D2,D8,D13,D18,D22	KEC
101	VARICAP DIODE	KDV154	KDV154	7	D3,D4,D10,D11,D15,D19,D20	KEC
102	SWITCH DIODE UPP9401	UPP9401	UPP9401	1	D6	ONSEMI
103	LED DUAL SMD	DUAL LED	BL-HEIG033B	1	LED1	OSTECH
104	SMD 455KHZ QURD COIL	455KHZQURD	COIL IFT 455Khz DET	1	T1	TOKO
105	TRANSISTOR	2SC4901	2SC4901	6	Q1,Q2,Q4,Q7,Q10,Q35	HITACHI
106	RF POWER FET 2SK3078	2SK3078	2SK3078	1	Q8	TOSHIBA
107	RF POWER FET 2SK3476	2SK3476	2SK3476	1	Q6	THOSIBA
108	TRANSISTOR	KRA101	KRA101	1	Q15	KEC
109	TRANSISTOR	KRA105	KRA105	7	Q13,Q14,Q22,Q23,Q26,Q38,Q44	KEC
110	TRANSISTOR	KRC104	KRC104	15	Q9,Q12,Q16,Q17,Q18,Q19,Q20,Q21,Q24,Q25,Q36,Q37,Q39,Q40,Q42	KEC
111	TRANSISTOR	KTA1504	KTA1504	2	Q5,Q34	KEC
112	TRANSISTOR	KTA2014	KTA2014	2	Q27,Q29	KEC
113	TRANSISTOR	KTC4075	KTC4075	2	Q11,Q28	KEC
114	TRANSISTOR	KTC3875	KTC3875	4	Q30,Q31,Q32,Q33	KEC
115	TRANSISTOR	KTC3880S	KTC3880S	1	Q3	KEC
116	CHIP TANTAL 100UF 4V SMT-C	100UF/4V	293D107X04A2T	1	C87	DAEWOO
117	CHIP TANTAL 10UF 6.3V SMT-A	10U/6V3	293D106X06R3A2T	2	C138,C172	DAEWOO
118	CHIP TANTAL 1UF 10V SMT-A	1UF/10V	293D106/10VX04A2T	3	C33,C45,C185	DAEWOO
119	CHIP TANTAL 22UF 10V SMT-B	22UF/10V	293D226/10VX04A2T	1	C88	DAEWOO
120	FM IF IC	DBL5018	DBL5018	1	IC1	DAEWOO
121	PLL IC	LMX1511	LMX1511TM	1	IC2	NATIONAL
122	I.C. REGULATOR	TK11250MTR	TK11250MTR	1	IC3	TOKO
123	IC	CPU	TMP87CM24F	1	IC4	HITACHI
124	I.C AUDIO AMP	TDA7233D	TDA7233D	1	IC5	SGS TOMSON
125	I.C EEPROM	24LC02	24LC02	1	IC701	MICRO CHIP
126	PHONE JACK	EXT-JACK	ST-5	1	J1	SHINWON
127	HT-30253	LCD	LCD	1	LCD1	WOHO
128	KUC4023-010010	C-MIC	CMP-4546	1	MIC	BSE
129	CHIP RESISTOR TRIMMER	22K	RH03E1C S4X	1	RV2	LG ELECTRONICS
130	CHIP RESISTOR TRIMMER	4.7K	RH03E1C S4X	1	RV4,RV5,RV6	LG ELECTRONICS
131	CAPISITOR TRIMMER 3DIA TOP ADJUST	6PF	TZV02Z060A	2	TC2,TC3	MURATA

132	TP70QF4163	TP70QF4163	16CH CH SW	1	SW1	TOCOS
133	TACT SWITCH	MON,PTT	SPDT-TS-41BSPQN-O	2	SW2,SW3	SWITRONIC
134	SWITCH VOLUME	SW VOL	TP76N00N 15F A20K	1	SW4	KOREA TOKO CO.
135	455KHZ CERAMIC FILTER	M55FW	M55FW	1	CF1	CQ
136	455KHZ CERAMIC FILTER	M55HT	M55HT	1	CF2	CQ
137	I.C QUAD OP AMP DIP14/S0	KIA324	KIA324	3	U1,U2,U5	KEC
138	I.C DUAL OP-AMP	KIA358	KIA358	3	U3,U4,U6	KEC
139	SM-408MS	8OHM	SPEAKER	1	SPK1	SHIN MEOUNG
140	TCXO MODULE	12.8MHZ VCXO	VX-F4-3.0FX(12.8MHz)	1	VCXO	SHINSUNG
141	FILTER CRYSTAL +/-7.5KHZ	45.1MHz(UM-4)	45M15BU	1PAIR	XF1,XF2	K-WELL
142	4.19MHZ CRYSTAL	4.19MHZ	HC-49/S	1	XT2	K-WELL
143	UM-4 10PPM CL=32 RS=50 3rd	44.645MHZ(UM-4)	44.645NHZ	1	XT1	K-WELL
144	ANT	ANT	ANT	1	ANT1	DASUN
145	CHIP RESISTOR	2.2M	225 5% 1608 1/16W J	1	R137	R. OHM KOREA
146	CHIP RESISTOR	18K	183 5% 1608 1/16W J	1	R97	R. OHM KOREA
147	CHIP CERAMIC CAPACITOR	220P	GRM39 X7R 221K 50V	3	C117,C194,C195	MURATA