

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	22	C1,C2,C3,C4,C6,C7,C31,C35,C39,C40,C57,C62,C82,C83,C97,C109,C114,C122,C139,C140,C145,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	3	C41,C100,C160	MURATA
6	CHIP CERAMIC CAPCITOR	0.047U	GRM39 X7R 473K 50V	7	C66,C73,C91,C102,C105,C115,C123	MURATA
7	CHIP CERAMIC CAPCITOR	0.056U	GRM39 X7R 563K 50V	2	C99,C110	MURATA
8	CHIP CERAMIC CAPCITOR	0.1U	GRM39 Y5V 104Z 50V	30	C18,C36,C54,C80,C81,C84,C92,C107C116,C121,C125,C126,C127,C133,C134,C135,C136,C137,C152,C153,C161,C165,C166,C186,C187,C188,C189,C190,C191,R225	MURATA
9	CHIP CERAMIC CAPCITOR	0.1U(K)	GRM39 X7R 104K 50V	7	C8,C13,C14,C15,C16,C68,C158	MURATA
10	CHIP CERAMIC CAPCITOR	0.22U(K)	GRM39 X7R 224K 50V	2	C118,C119	MURATA
11	CHIP CERAMIC CAPCITOR	1.5P	GRM39 COG 1R5C 50V	1	C162	MURATA
12	CHIP CERAMIC CAPCITOR	1000P	GRM39 X7R 102K 50V	3	C44,C128,C151	MURATA
13	CHIP CERAMIC CAPCITOR	100P	GRM39 COG 101J 50V	1	C9	MURATA
14	CHIP CERAMIC CAPCITOR	10P	GRM39 COG 100C 50V	7	C21,C32,C55,C56,C58,C85,C181	MURATA
15	CHIP CERAMIC CAPCITOR	NA	NA	1	C171	MURATA
16	CHIP CERAMIC CAPCITOR	12P	GRM39 COG 120J 50V	1	C20	MURATA
17	CHIP CERAMIC CAPCITOR	15P	GRM39 COG 150J 50V	7	C23,C42,C49,C95,C96,C143,C184	MURATA
18	CHIP CERAMIC CAPCITOR	16P	GRM39 COG 160J 50V	3	C46,C148,C28	MURATA
19	CHIP CERAMIC CAPCITOR	18P	GRM39 COG 180J 50V	1	C30	MURATA
20	CHIP CERAMIC CAPCITOR	1P	GRM39 COG 010C 50V	2	C163,C164	MURATA
21	CHIP CERAMIC CAPCITOR	1U	GRM39 Y5V 105Z 50V	1	C132	MURATA
22	CHIP CERAMIC CAPCITOR	20P	GRM39 COG 200J 50V	3	C43,C144,C169	MURATA
23	CHIP CERAMIC CAPCITOR	2200P	GRM39 X7R 222K 50V	6	C10,C12,C47,C111,C167,C173	MURATA
24	CHIP CERAMIC CAPCITOR	22P	GRM39 COG 220J 50V	4	C37,C38,C141,C147	MURATA
25	CHIP CERAMIC CAPCITOR	24P	GRM39 COG 240J 50V	2	C71,C76	MURATA
26	CHIP CERAMIC CAPCITOR	27P	GRM39 COG 270J 50V	3	C19,C24,C72	MURATA
27	CHIP CERAMIC CAPCITOR	30P	GRM39 COG 300J 50V	1	C75	MURATA
28	CHIP CERAMIC CAPCITOR	3300P	GRM39 X7R 332K 50V	1	C174	MURATA
29	CHIP CERAMIC CAPCITOR	33P	GRM39 COG 330J 50V	2	C60,C142	MURATA
30	CHIP CERAMIC CAPCITOR	39P	GRM39 COG 390J 50V	2	C146,C178	MURATA
31	CHIP CERAMIC CAPCITOR	4.7U	GRM40 Y5V 475Z 50V	9	C17,C27,C63,C89,C90,C94,C129,C150,C154	MURATA
32	CHIP CERAMIC CAPCITOR	4700P	GRM39 X7R 472K 50V	3	C98,C130,C131	MURATA
33	CHIP CERAMIC CAPCITOR	470P	GRM39 X7R 471K 50V	9	C22,C50,C52,C70,C77,C124,C155,C156,C180	MURATA
34	CHIP CERAMIC CAPCITOR	47P	GRM39 COG 470J 50V	5	C25,C69,C168,C183,C175	MURATA
35	CHIP CERAMIC CAPCITOR	4P	GRM39 COG 040C 50V	2	C149,C159	MURATA
36	CHIP CERAMIC CAPCITOR	4.7P	GRM39 COG 4R7C 50V	1	C11	MURATA
37	CHIP CERAMIC CAPCITOR	560P	GRM39 X7R 561K 50V	2	C106,C108	MURATA
38	CHIP CERAMIC CAPCITOR	56P	GRM39 COG 560J 50V	1	C177	MURATA
39	CHIP CERAMIC CAPCITOR	5P	GRM39 COG 050C 50V	1	C34	MURATA
40	CHIP CERAMIC CAPCITOR	6P	GRM39 COG 060C 50V	2	C26,C49	MURATA

41	CHIP CERAMIC CAPCITOR	7P	GRM39 COG 070C 50V	2	C53,C67	MURATA
72	CHIP CERAMIC CAPCITOR	8P	GRM39 COG 080C 50V	4	C5,C157,C51,C61	MURATA
73	CHIP RESISTOR	0R	0R0 5% 1/16W	10	C48,C64,LK4,R35,R61,R73,R128,R138,R210,LK3	R. OHM KOREA
74	CHIP RESISTOR	0R1	0R1 1% 1W J	1	R34	DELTA CORPORATION
75	CHIP RESISTOR	1.5K	152 5% 1/16W J	1	R188	R. OHM KOREA
76	CHIP RESISTOR	1.8K	182 5% 1/16W J	2	R50,R60	R. OHM KOREA
77	CHIP RESISTOR	100K	104 5% 1/16W J	14	R18,R47,R66,R83,R84,R86,R87,R140,R142,R157,R174,R181,R222,R239	R. OHM KOREA
78	CHIP RESISTOR	100R	101 5% 1/16W J	9	R2,R7,R17,R68,R99,R103,R146,R161,R167	R. OHM KOREA
79	CHIP RESISTOR	10K	103 5% 1/16W J	24	R20,R23,R25,R26,R39,R42,R43,R44,R45,R102,R118,R119,R121,R123,R126,R131,R147,R164,R165,R196,R197,R198,R201,R204	R. OHM KOREA
80	CHIP RESISTOR	10R	100 5% 1/16W J	4	R129,R133,R212,R213	R. OHM KOREA
81	CHIP RESISTOR	12K	123 5% 1/16W J	1	R95	R. OHM KOREA
82	CHIP RESISTOR	150K	154 5% 1/16W J	3	R37,R85,R105	R. OHM KOREA
83	CHIP RESISTOR	15K	153 5% 1/16W J	4	R6,R203,R229,R230	R. OHM KOREA
84	CHIP RESISTOR	180R	181 5% 1/16W J	4	R22,R58,R160,R162	R. OHM KOREA
85	CHIP RESISTOR	18K	183 5% 1/16W J	4	R8,R46,R97,R104	R. OHM KOREA
86	CHIP RESISTOR	1K	102 5% 1/16W J	8	R24,R30,R31,R51,R62,R101,R109,R176	R. OHM KOREA
87	CHIP RESISTOR	1M	105 5% 1/16W J	2	R64,R137	R. OHM KOREA
88	CHIP RESISTOR	2.2K	222 5% 1/16W J	6	R27,R74,R78,R100,R154,R218	R. OHM KOREA
89	CHIP RESISTOR	2.4K	242 5% 1/16W J	1	R28	R. OHM KOREA
90	CHIP RESISTOR	2.7K	272 5% 1/16W J	5	R21,R71,R96,R108,R151	R. OHM KOREA
91	CHIP RESISTOR	200K	204 5% 1/16W J	2	R65,R135	R. OHM KOREA
92	CHIP RESISTOR	20K	203 5% 1/16W J	3	R63,R110,R207	R. OHM KOREA
93	CHIP RESISTOR	220K	224 5% 1/16W J	5	R48,R92,R173,R214,R220	R. OHM KOREA
94	CHIP RESISTOR	220K(1%)	224 1% 1/16W J	2	R38,R59	R. OHM KOREA
95	CHIP RESISTOR	220R	221 5% 1/16W J	6	R4,R9,R11,R33,R143,R156	R. OHM KOREA
96	CHIP RESISTOR	22K	223 5% 1/16W J	9	R40,R120,R122,R124,R170,R171,R172,R180,R200	R. OHM KOREA
97	CHIP RESISTOR	270K	274 5% 1/16W J	1	R82	R. OHM KOREA
98	CHIP RESISTOR	27K	273 5% 1/16W J	5	C104,R91,R148,R150,R159	R. OHM KOREA
99	CHIP RESISTOR	3.3K	332 5% 1/16W J	3	R10,R29,R168	R. OHM KOREA
100	CHIP RESISTOR	3.9K	392 5% 1/16W J	3	R54,R77,R107	R. OHM KOREA
101	CHIP RESISTOR	330K	334 5% 1/16W J	3	R106,R130,R136	R. OHM KOREA
102	CHIP RESISTOR	33K	333 5% 1/16W J	4	R89,R90,R111,R177	R. OHM KOREA
103	CHIP RESISTOR	390R	391 5% 1/16W J	1	R145	R. OHM KOREA
104	CHIP RESISTOR	39K	393 5% 1/16W J	3	R13,R81,R88	R. OHM KOREA
105	CHIP RESISTOR	39R	390 5% 1/16W J	1	R163	R. OHM KOREA
106	CHIP RESISTOR	4.7K	472 5% 1/16W J	11	R3,R14,R19,R41,R75,R127,R134,R144,R152,R199,R232	R. OHM KOREA
107	CHIP RESISTOR	4.7M	475 5% 1/16W J	3	R93,R202,R224	R. OHM KOREA
108	CHIP RESISTOR	470K	474 5% 1/16W J	2	R52,R72	R. OHM KOREA
109	CHIP RESISTOR	470R	471 5% 1/16W J	2	R112,R113	R. OHM KOREA

110	CHIP RESISTOR	47K	473 5% 1/16W J	28	R32,R36,R49,R57,R69,R70,R114,R116,R117,R175,R186,R189,R190,R191,R192,R193,R194,R195,R205,R208,R221,R226,R227,R228,R231,R233,R234,R235	R. OHM KOREA
111	CHIP RESISTOR	47R	470 5% 1/16W J	3	R12,R155,R217	R. OHM KOREA
112	CHIP RESISTOR	51K	513 5% 1/16W J	1	R67	R. OHM KOREA
113	CHIP RESISTOR	560K	564 5% 1/16W J	1	R76	R. OHM KOREA
114	CHIP RESISTOR	56K	563 5% 1/16W J	3	R1,R125,R158	R. OHM KOREA
115	CHIP RESISTOR	6.8K	682 5% 1/16W J	2	R149,R153	R. OHM KOREA
116	CHIP RESISTOR	62K	623 5% 1/16W J	1	R53	R. OHM KOREA
117	CHIP RESISTOR	680K	684 5% 1/16W J	2	R15,R115	R. OHM KOREA
118	CHIP RESISTOR	68K(1%)	683 1% 1/16W J	2	R94,R98	R. OHM KOREA
119	CHIP RESISTOR	68R	680 5% 1/16W J	1	R5	R. OHM KOREA
120	CHIP RESISTOR	8.2K	822 5% 1/16W J	4	C103,R16,R55,R219	R. OHM KOREA
121	CHIP INDUCTOR 0603 100NH	100NH	0603HS-R10NTJBC	3	L1,L22,L29	TAIYOYUDEN
122	CHIP INDUCTOR 0603 1UH	1UH	0603HS-105NTJBC	4	L5,L15,L25,L32	TAIYOYUDEN
123	CHIP INDUCTOR 0603 2.2UH	2.2UH	0603HS-225NTJBC	2	L3,L24	TAIYOYUDEN
124	CHIP INDUCTOR 0603 220NH	220NH	0603HS-R22NTJBC	2	L2,L27	TAIYOYUDEN
125	CHIP INDUCTOR 0603 22NH	22NH	0603HS-220NTJBC	2	L26,L28	TAIYOYUDEN
126	CHIP INDUCTOR 0603 27NH	27NH	0603HS-270NTJBC	1	L17	TAIYOYUDEN
127	INDUCTOR SMD LEM2520 47NH	47NH	LEM 2520T 47NH	3	L18,L19,L23	TAIYOYUDEN
128	INDUCTOR SMD LEM2520 56NH	56NH	LEM 2520T 56NH	2	L6,L16	TAIYOYUDEN
129	INDUCTOR SMD LEM2520 68NH	68NH	LEM 2520T 68NH	1	L7	TAIYOYUDEN
130	CHIP INDUCTOR 0603 820NH	820NH	0603HS-821NTJBC	1	L14	TAIYOYUDEN
131	CHIP RESISTOR TRIMMER	22K	RH03E1C S4X	1	RV4	LG ELECTRONICS
132	CHIP RESISTOR TRIMMER	4.7K	RH03E1C S4X	1	RV5,RV6	LG ELECTRONICS
133	CHIP TANTAL 100UF 4V SMT-C	100UF/4V	293D107X04A2T	1	C87	DAEWOO
134	CHIP TANTAL 10UF 6.3V SMT-A	10U/6V3	293D106X06R3A2T	2	C138,C172	DAEWOO
135	CHIP TANTAL 1UF 10V SMT-A	1UF/10V	293D106/10VX04A2T	3	C33,C45,C185	DAEWOO
136	CHIP TANTAL 22UF 10V SMT-B	22UF/10V	293D226/10VX04A2T	1	C88	DAEWOO
137	SMD 455KHZ QURD COIL	455KHZQURD	COIL IFT 455Khz DET	1	T1	TOKO
138	COIL IND 0.28-1.1-6TL SMD	28116TL	28116TL	1	L31	DAELIM
139	COIL IND 0.3-1.1-3TL SMD	30112TL	#NAME?	1	L30	DAELIM
140	COIL IND 0.35-1.6-6TL SMD	35166TL	35166TL	1	L4	DAELIM
141	COIL IND 0.35-1.6-7TL SMD	35167TL	35167TL	1	L21	DAELIM
142	COIL IND 0.4-2.4-6TL SMD	40246TL	40246TL	2	L10,L11	DAELIM
143	COIL IND 0.4-2.4-7TL SMD	40247TL	40247TL	1	L9	DAELIM
144	DIODE DUAL SWITCHING KDS181	KDS181	KDS181	3	D1,D16,D17	KEC
145	DUAL DIODE KDS226	KDS226	KDS226	5	D2,D22,D8,D13,D18	KEC
146	LED DUAL SMD	DUAL LED	BL-HEIG033B	1	LED1	OSTECH
147	SWITCH DIODE	KDS114	KDS114	2	D9,D12	KEC
148	SWITCH DIODE	MA77	MA77	1	D5	PANASONIC
149	SWITCH DIODE UPP9401	UPP9401	UPP9401	1	D6	ONSEMI
150	VARICAP DIODE	ISV217	ISV217	5	D3,D4,D11,D15,D20	THOSIBA
151	FM IF IC	DBL5018	DBL5018	1	IC1	DAEWOO

152	PLL IC	LMX1511	LMX1511TM	1	IC2	NATIONAL
153	I.C. REGULATOR	TK11250MTR	TK11250MTR	1	IC3	TOKO
154	IC	CPU	TMP87CM24F	1	IC4	HITACHI
155	I.C EEPROM	24LC02	24LC02	1	IC701	MICRO CHIP
156	I.C AUDIO AMP	TDA7233D	TDA7233D	1	IC5	SGS TOMSON
157	I.C DUAL OP-AMP	KIA358	KIA358	3	U3,U4,U6	KEC
158	I.C QUAD OP AMP DIP14/S0	KIA324	KIA324	3	U1,U2,U5	KEC
159	KUC4023-010010	C-MIC	CMP-4546	1	MIC	BSE
160	SWITCH VOLUME	SW VOL	TP76N00N 15F A20K	1	SW4	KOREA TOKO CO.
161	TRANSISTOR	2SC4901	2SC4901	6	Q1,Q2,Q4,Q7,Q10,Q35	HITACHI
162	TRANSISTOR	KRA101	KRA101	1	Q15	KEC
163	TRANSISTOR	KRA105	KRA105	7	Q13,Q14,Q22,Q23,Q26,Q38,Q44	KEC
164	TRANSISTOR	KRC104	KRC104	15	Q9,Q12,Q16,Q17,Q18,Q19,Q20,Q21,Q24,Q25,Q36,Q37,Q39,	KEC
165	TRANSISTOR	KTA1504	KTA1504	2	Q5,Q34	KEC
166	TRANSISTOR	KTA2014	KTA2014	2	Q27,Q29	KEC
167	TRANSISTOR	KTC3875	KTC3875	4	Q30,Q31,Q32,Q33	KEC
168	TRANSISTOR	KTC3880S	KTC3880S	1	Q3	KEC
169	TRANSISTOR	KTC4075	KTC4075	2	Q11,Q28	KEC
170	RF POWER FET 2SK3078	2SK3078	2SK3078	1	Q8	TOSHIBA
171	RF POWER FET 2SK3476	2SK3476	2SK3476	1	Q6	TOSHIBA
172	SM-408MS	8OHM	SPEAKER	1	SPK1	SHIN MEOUNG
173	TACT SWITCH	MON,PTT	SPDT-TS-41BSPQN-O	1	SW2,SW3	SWITRONIC
174	TCXO MODULE	12.8MHZ VCXO	VX-F4-3.0FX(12.8MHz)	1	VCXO	SHINSUNG
175	455KHZ CERAMIC FILTER	M55FW	M55FW	1	CF1	CQ
176	455KHZ CERAMIC FILTER	M55HT	M55HT	1	CF2	CQ
177	CAPISITOR TRIMMER 3DIA TOP ADJUST	6PF	TZV02Z060A	2	TC2,TC3	MURATA
178	PHONE JACK	EXT-JACK	ST-5	1	J1	SHINWON
179	TP70QF4163	TP70QF4163	16CH CH SW	1	SW1	TOCOS
180	ANT	ANT	ANT	1	ANT1	DASUN
181	HT-30253	LCD	LCD	1	LCD1	WOOHO
182	UM-4 10PPM CL=32 RS=50 3rd	44.645MHZ(UM-4)	44.645NHZ	1	XT1	K-WELL
183	4.19MHZ CRYSTAL	4.19MHZ	HC-49/S	1	XT2	K-WELL
184	FILTER CRYSTAL +/-7.5KHZ	45.1MHZ(UM-4)	45M15BU	1PAIR	XF1,XF2	K-WELL