



360 Herndon Parkway
Suite 1400
Herndon, VA 20170
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APPENDIX D: PARTS LIST

Item	Qty	Reference	VALUE	Description	Part Type	VENDOR
1	1	T1	Qurd	303LC-K5004NK	COIL IFT	KOREA TOKO CO.
2	1	C22	470p	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
3	1	C41	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
4	1	C52	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
5	1	C53	7P	GRM39 COG 070C	CAPACITOR CERAMIC CHIP	MURATA
6	1	C85	NA			
7	1	C160	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
8	1	R1	56K	1608 5%	RESISTOR CHIP	R. OHM KOREA
9	1	R2	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
10	1	R3	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
11	1	R4	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
12	1	R5	68R	1608 5%	RESISTOR CHIP	R. OHM KOREA
13	1	R6	15K	1608 5%	RESISTOR CHIP	R. OHM KOREA
14	1	R7	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
15	1	R8	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
16	1	R9	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
17	1	R10	150K	1608 5%	RESISTOR CHIP	R. OHM KOREA
18	1	R11	3.3K	1608 5%	RESISTOR CHIP	R. OHM KOREA
19	1	R12	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
20	1	R13	39k	1608 5%	RESISTOR CHIP	R. OHM KOREA
21	1	R14	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
22	1	R15	680k	1608 5%	RESISTOR CHIP	R. OHM KOREA
23	1	R16	4.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
24	1	R17	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
25	1	R18	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
26	1	R19	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
27	1	R20	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
28	1	R21	2.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
29	1	R22	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
30	1	R23	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
31	1	R24	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA

32	1	R25	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
33	1	R26	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
34	1	R27	2.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
35	1	R28	3.6k	1608 5%	RESISTOR CHIP	R. OHM KOREA
36	1	R29	3.3k	1608 5%	RESISTOR CHIP	R. OHM KOREA
37	1	R30	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
38	1	R31	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
39	1	R32	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
40	1	R33	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
41	1	R34	1R(0805)	2012 5%	RESISTOR CHIP	R. OHM KOREA
42	1	R35	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
43	1	R36	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
44	1	R37	39R	1608 5%	RESISTOR CHIP	R. OHM KOREA
45	1	R38	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
46	1	R39	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
47	1	R40	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
48	1	R41	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
49	1	R42	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
50	1	R43	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
51	1	R44	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
52	1	R45	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
53	1	R46	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
54	1	R47	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
55	1	R48	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
56	1	R49	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
57	1	R50	1.8K	1608 5%	RESISTOR CHIP	R. OHM KOREA
58	1	R51	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
59	1	R52	470k	1608 5%	RESISTOR CHIP	R. OHM KOREA
60	1	R53	62k	1608 5%	RESISTOR CHIP	R. OHM KOREA
61	1	R54	3.9k	1608 5%	RESISTOR CHIP	R. OHM KOREA
62	1	R55	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
63	1	R56	10R	1608 5%	RESISTOR CHIP	R. OHM KOREA
64	1	R57	68R	1608 5%	RESISTOR CHIP	R. OHM KOREA

65	1	R58	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
66	1	R59	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
67	1	R60	1.8k	1608 5%	RESISTOR CHIP	R. OHM KOREA
68	1	R61	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
69	1	R62	1K	1608 5%	RESISTOR CHIP	R. OHM KOREA
70	1	R63	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
71	1	R64	1M	1608 5%	RESISTOR CHIP	R. OHM KOREA
72	1	R65	51k	1608 5%	RESISTOR CHIP	R. OHM KOREA
73	1	R66	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
74	1	R67	200k	1608 5%	RESISTOR CHIP	R. OHM KOREA
75	1	R68	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
76	1	R69	15k	1608 5%	RESISTOR CHIP	R. OHM KOREA
77	1	R70	15K	1608 5%	RESISTOR CHIP	R. OHM KOREA
78	1	R71	2.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
79	1	R72	470k	1608 5%	RESISTOR CHIP	R. OHM KOREA
80	1	R73	0R	1608 5%	RESISTOR CHIP	R. OHM KOREA
81	1	R74	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
82	1	R75	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
83	1	R76	560K	1608 5%	RESISTOR CHIP	R. OHM KOREA
84	1	R77	3.9K	1608 5%	RESISTOR CHIP	R. OHM KOREA
85	1	R78	0R	1608 5%	RESISTOR CHIP	R. OHM KOREA
86	1	R79	NA			
87	1	R80	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
88	1	R81	82k	1608 5%	RESISTOR CHIP	R. OHM KOREA
89	1	R82	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
90	1	R83	120k	1608 5%	RESISTOR CHIP	R. OHM KOREA
91	1	R84	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
92	1	R85	150k	1608 5%	RESISTOR CHIP	R. OHM KOREA
93	1	R86	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
94	1	R87	220K	1608 5%	RESISTOR CHIP	R. OHM KOREA
95	1	R88	39k	1608 5%	RESISTOR CHIP	R. OHM KOREA
96	1	R89	33k	1608 5%	RESISTOR CHIP	R. OHM KOREA
97	1	R90	33K	1608 5%	RESISTOR CHIP	R. OHM KOREA

98	1	R91	27K	1608 5%	RESISTOR CHIP	R. OHM KOREA
99	1	R92	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
100	1	R93	680K	1608 5%	RESISTOR CHIP	R. OHM KOREA
101	1	R94	68k	1608 5%	RESISTOR CHIP	R. OHM KOREA
102	1	R95	12k	1608 5%	RESISTOR CHIP	R. OHM KOREA
103	1	R96	2.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
104	1	R97	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
105	1	R98	68k	1608 5%	RESISTOR CHIP	R. OHM KOREA
106	1	R99	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
107	1	R100	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
108	1	R101	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
109	1	R102	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
110	1	R103	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
111	1	R104	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
112	1	R105	39k	1608 5%	RESISTOR CHIP	R. OHM KOREA
113	1	R106	330k	1608 5%	RESISTOR CHIP	R. OHM KOREA
114	1	R107	4.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
115	1	R108	3k	1608 5%	RESISTOR CHIP	R. OHM KOREA
116	1	R109	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
117	1	R110	20k	1608 5%	RESISTOR CHIP	R. OHM KOREA
118	1	R111	33k	1608 5%	RESISTOR CHIP	R. OHM KOREA
119	1	R112	470R	1608 5%	RESISTOR CHIP	R. OHM KOREA
120	1	R113	470R	1608 5%	RESISTOR CHIP	R. OHM KOREA
121	1	R114	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
122	1	R115	680k	1608 5%	RESISTOR CHIP	R. OHM KOREA
123	1	R116	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
124	1	R117	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
125	1	R118	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
126	1	R119	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
127	1	R120	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
128	1	R121	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
129	1	R122	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
130	1	R123	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA

131	1	R124	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
132	1	R125	56k	1608 5%	RESISTOR CHIP	R. OHM KOREA
133	1	R126	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
134	1	R127	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
135	1	R128	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
136	1	R129	10R	1608 5%	RESISTOR CHIP	R. OHM KOREA
137	1	R130	330k	1608 5%	RESISTOR CHIP	R. OHM KOREA
138	1	R131	15k	1608 5%	RESISTOR CHIP	R. OHM KOREA
139	1	R132	NA			
140	1	R133	10R	1608 5%	RESISTOR CHIP	R. OHM KOREA
141	1	R134	NA			
142	1	R135	200K	1608 5%	RESISTOR CHIP	R. OHM KOREA
143	1	R136	330K	1608 5%	RESISTOR CHIP	R. OHM KOREA
144	1	R137	1M	1608 5%	RESISTOR CHIP	R. OHM KOREA
145	1	R138	0 ohm	1608 5%	RESISTOR CHIP	R. OHM KOREA
146	1	R139	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
147	1	R140	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
148	1	R141	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
149	1	R142	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
150	1	R143	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
151	1	R144	18k	1608 5%	RESISTOR CHIP	R. OHM KOREA
152	1	R145	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
153	1	R146	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
154	1	R147	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
155	1	R148	27k	1608 5%	RESISTOR CHIP	R. OHM KOREA
156	1	R149	6.8k	1608 5%	RESISTOR CHIP	R. OHM KOREA
157	1	R150	27k	1608 5%	RESISTOR CHIP	R. OHM KOREA
158	1	R151	2.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
159	1	R152	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
160	1	R153	6.8K	1608 5%	RESISTOR CHIP	R. OHM KOREA
161	1	R154	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
162	1	R155	47R	1608 5%	RESISTOR CHIP	R. OHM KOREA
163	1	R156	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA

164	1	R157	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
165	1	R158	56K	1608 5%	RESISTOR CHIP	R. OHM KOREA
166	1	R159	27K	1608 5%	RESISTOR CHIP	R. OHM KOREA
167	1	R160	47R	1608 5%	RESISTOR CHIP	R. OHM KOREA
168	1	R161	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
169	1	R162	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
170	1	R163	39R	1608 5%	RESISTOR CHIP	R. OHM KOREA
171	1	R164	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
172	1	R165	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
173	1	R166	1.8k	1608 5%	RESISTOR CHIP	R. OHM KOREA
174	1	R167	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
175	1	R168	3.3k	1608 5%	RESISTOR CHIP	R. OHM KOREA
176	1	R169	NA			
177	1	R170	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
178	1	R171	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
179	1	R172	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
180	1	R173	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
181	1	R174	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
182	1	R175	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
183	1	R176	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
184	1	R177	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
185	1	R178	1R(0805)	2012 5%	RESISTOR CHIP	R. OHM KOREA
186	1	R179	1R(0805)	2012 5%	RESISTOR CHIP	R. OHM KOREA
187	1	R180	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
188	1	R181	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
189	1	R182	1M	1608 5%	RESISTOR CHIP	R. OHM KOREA
190	1	R183	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
191	1	R184	10k	TBPS1S103K440	THERMISTOR CHIP	Taiyoyuden
192	1	R185	82k	1608 5%	RESISTOR CHIP	R. OHM KOREA
193	1	R186	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
194	1	R187	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
195	1	R188	1.5k	1608 5%	RESISTOR CHIP	R. OHM KOREA
196	1	R189	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA

197	1	R190	NA	1608 5%	RESISTOR CHIP	R. OHM KOREA
198	1	R191	NA	1608 5%	RESISTOR CHIP	R. OHM KOREA
199	1	R192	NA	1608 5%	RESISTOR CHIP	R. OHM KOREA
200	1	R193	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
201	1	R194	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
202	1	R195	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
203	1	R196	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
204	1	R197	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
205	1	R198	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
206	1	R199	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
207	1	R200	330k	1608 5%	RESISTOR CHIP	R. OHM KOREA
208	1	R201	33k	1608 5%	RESISTOR CHIP	R. OHM KOREA
209	1	R202	4.7M	1608 5%	RESISTOR CHIP	R. OHM KOREA
210	1	R203	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
211	1	R204	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
212	1	R205	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
213	1	R206	220K	1608 5%	RESISTOR CHIP	R. OHM KOREA
214	1	C11	1uF(T)	1UF16V A	CAPACITOR TANTALUM DIP	DAE WOO
215	1	C27	4.7u(0805)	4.7uF 10V A	CAPACITOR TANTALUM DIP	DAE WOO
216	1	C33	0.47u	GRM39 X7R 473K	CAPACITOR TANTALUM DIP	DAE WOO
217	1	C87	100uT(D)	107D 4V	CAPACITOR TANTALUM DIP	DAE WOO
218	1	C88	22/16(B)	226B 10V	CAPACITOR TANTALUM DIP	DAE WOO
219	1	C1	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
220	1	C2	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
221	1	C3	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
222	1	C4	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
223	1	C5	8P	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	MURATA
224	1	C6	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
225	1	C7	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
226	1	C8	0.1(X7R)	GRM39 X7R 104K	CAPACITOR CERAMIC CHIP	MURATA
227	1	C9	100p	GRM39 X7R 101K	CAPACITOR CERAMIC CHIP	MURATA
228	1	C10	2200p	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	MURATA

229	1	C12	2200p	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	MURATA
230	1	C13	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
231	1	C14	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
232	1	C15	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
233	1	C16	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
234	1	C17	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	MURATA
235	1	C18	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
236	1	C19	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
237	1	C20	8P	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	MURATA
238	1	C21	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	MURATA
239	1	C23	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
240	1	C24	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
241	1	C25	22P	GRM39 COG 220J	CAPACITOR CERAMIC CHIP	MURATA
242	1	C26	3p	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	MURATA
243	1	C28	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
244	1	C29	33p	GRM39 COG 330J	CAPACITOR CERAMIC CHIP	MURATA
245	1	C30	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
246	1	C31	0.01	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
247	1	C32	NA			
248	1	C34	3P	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	MURATA
249	1	C35	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
250	1	C36	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
251	1	C37	22P	GRM39 COG 220J	CAPACITOR CERAMIC CHIP	MURATA
252	1	C38	22P	GRM39 COG 220J	CAPACITOR CERAMIC CHIP	MURATA
253	1	C39	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
254	1	C40	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
255	1	C42	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
256	1	C43	3P	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	MURATA
257	1	C44	1000p	GRM39 X7R 102K	CAPACITOR CERAMIC CHIP	MURATA
258	1	C45	3p	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	MURATA
259	1	C46	24p	GRM39 COG 240J	CAPACITOR CERAMIC CHIP	MURATA

260	1	C47	47P	GRM39 COG 470J	CAPACITOR CERAMIC CHIP	MURATA
261	1	C48	8p	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	MURATA
262	1	C49	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	MURATA
263	1	C50	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
264	1	C51	10p	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
265	1	C54	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
266	1	C55	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
267	1	C56	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
268	1	C57	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
269	1	C58	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
270	1	C59	NA			
271	1	C60	33P	GRM39 COG 330J	CAPACITOR CERAMIC CHIP	MURATA
272	1	C61	8p	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	MURATA
273	1	C62	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
274	1	C63	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	MURATA
275	1	C64	0R	1608 5%	RESISTOR CHIP	R. OHM KOREA
276	1	C65	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA
277	1	C66	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
278	1	C67	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
279	1	C68	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
280	1	C69	6p	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
281	1	C70	470p	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
282	1	C71	6p	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
283	1	C72	8p	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	MURATA
284	1	C73	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
285	1	C74	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA
286	1	C75	NA			
287	1	C76	3P	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	MURATA
288	1	C77	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
289	1	C78	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA
290	1	C79	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA

291	1	C80	10p	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
292	1	C81	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
293	1	C82	0.01	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
294	1	C83	0.01	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
295	1	C84	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
296	1	C86	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA
297	1	C89	4.7u	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	MURATA
298	1	C90	4.7u	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	MURATA
299	1	C91	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
300	1	C92	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
301	1	C93	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
302	1	C94	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	MURATA
303	1	C95	20p	GRM39 COG 200J	CAPACITOR CERAMIC CHIP	MURATA
304	1	C96	20p	GRM39 COG 200J	CAPACITOR CERAMIC CHIP	MURATA
305	1	C97	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
306	1	C98	4700p	GRM39 X7R 472K	CAPACITOR CERAMIC CHIP	MURATA
307	1	C99	0.056u	GRM39 X7R 563K	CAPACITOR CERAMIC CHIP	MURATA
308	1	C100	0.033u	GRM39 X7R 333K	CAPACITOR CERAMIC CHIP	MURATA
309	1	C101	0.027u	GRM39 X7R 273K	CAPACITOR CERAMIC CHIP	MURATA
310	1	C102	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
311	1	C103	8.2K	1608 5%	RESISTOR CHIP	R. OHM KOREA
312	1	C104	27K	1608 5%	RESISTOR CHIP	R. OHM KOREA
313	1	C105	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
314	1	C106	560p	GRM39 X7R 561K	CAPACITOR CERAMIC CHIP	MURATA
315	1	C107	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
316	1	C108	560p	GRM39 X7R 561K	CAPACITOR CERAMIC CHIP	MURATA
317	1	C109	0.01u	GRM39 X7R 103K	CAPACITOR CERAMIC CHIP	MURATA
318	1	C110	0.056u	GRM39 X7R 563K	CAPACITOR CERAMIC CHIP	MURATA
319	1	C111	2200p	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	MURATA
320	1	C112	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA
321	1	C113	NA			

322	1	C114	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
323	1	C115	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
324	1	C116	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
325	1	C117	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	MURATA
326	1	C118	0.22u	GRM39 X7R 224K	CAPACITOR CERAMIC CHIP	MURATA
327	1	C119	0.22u	GRM39 X7R 224K	CAPACITOR CERAMIC CHIP	MURATA
328	1	C120	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	MURATA
329	1	C121	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
330	1	C122	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
331	1	C123	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	MURATA
332	1	C124	470p	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
333	1	C125	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
334	1	C126	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
335	1	C127	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
336	1	C128	1000p	GRM39 X7R 102K	CAPACITOR CERAMIC CHIP	MURATA
337	1	C129	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	MURATA
338	1	C130	NA			
339	1	C131	NA			
340	1	C132	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	MURATA
341	1	C133	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
342	1	C134	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
343	1	C135	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
344	1	C136	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
345	1	C137	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
346	1	C138	10uT(A)	10uF/6V A	CAPACITOR TANTALUM DIP	DAE WOO
347	1	C139	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
348	1	C140	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	MURATA
349	1	C141	8P	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	MURATA
350	1	C142	33P	GRM39 COG 330J	CAPACITOR CERAMIC CHIP	MURATA
351	1	C143	NA			
352	1	C144	4p	GRM39 COG 040C	CAPACITOR CERAMIC CHIP	MURATA

353	1	C145	12P	GRM39 COG 120J	CAPACITOR CERAMIC CHIP	MURATA
354	1	C146	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	MURATA
355	1	C147	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	MURATA
356	1	C148	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
357	1	C149	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	MURATA
358	1	C150	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	MURATA
359	1	C151	1000p	GRM39 X7R 102K	CAPACITOR CERAMIC CHIP	MURATA
360	1	C152	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
361	1	C153	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
362	1	C154	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	MURATA
363	1	C155	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
364	1	C156	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	MURATA
365	1	C157	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	MURATA
366	1	C158	3p	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	MURATA
367	1	C159	2P	GRM39 COG 020C	CAPACITOR CERAMIC CHIP	MURATA
368	1	C161	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
369	1	C162	0.5P	GRM39 COG 0R5C	CAPACITOR CERAMIC CHIP	MURATA
370	1	C163	0.75P	GRM39 COG 0R75C	CAPACITOR CERAMIC CHIP	MURATA
371	1	C164	1.8P	GRM39 COG 1R8C	CAPACITOR CERAMIC CHIP	MURATA
372	1	C165	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
373	1	C166	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
374	1	C167	2200P	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	MURATA
375	1	C168	47P	GRM39 COG 470J	CAPACITOR CERAMIC CHIP	MURATA
376	1	C169	20P	GRM39 COG 200J	CAPACITOR CERAMIC CHIP	MURATA
377	1	C170	220p	GRM39 COG 221J	CAPACITOR CERAMIC CHIP	MURATA
378	1	C171	12P	GRM39 COG 120J	CAPACITOR CERAMIC CHIP	MURATA
379	1	C172	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	MURATA
380	1	C173	2200P	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	MURATA
381	1	C174	3300p	GRM39 X7R332K	CAPACITOR CERAMIC CHIP	MURATA
382	1	C175	0.01u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	MURATA
383	1	Q5	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC

384	1	Q13	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
385	1	Q14	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
386	1	Q15	KRA101S	KRA101S	TRANSISTOR SOT23	KEC
387	1	Q22	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
388	1	Q23	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
389	1	Q26	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
390	1	Q27	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC
391	1	Q29	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC
392	1	Q34	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC
393	1	Q38	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
394	1	IC701	EEPROM	24LC02	SO8	
395	1	ANT1	ANT	ANT		
396	1	MIC1	C-MIC	C-MIC	KUC4023-010010	HOSIDEN
397	1	TC1	6p	TZV02Z060A	TRIMMER CAP CHIP	MURATA
398	1	TC2	6p	TZV02Z060A	TRIMMER CAP CHIP	MURATA
399	1	TC3	6p	TZV02Z060A	TRIMMER CAP CHIP	MURATA
400	1	CF1	455F	CERAMIC-FILTER	FILTER CERAMIC	TOKO/ CQ
401	1	CF2	455HT	CERAMIC-FILTER	FILTER CERAMIC	TOKO/ CQ
402	1	CHSW1	SWITCH-SP			
403	1	D3	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
404	1	D4	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
405	1	D10	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
406	1	D11	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
407	1	D15	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
408	1	D19	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
409	1	D20	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
410	1	D21	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
411	1	D22	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
412	1	D8	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
413	1	D13	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
414	1	D18	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC

415	1	J1	EXT-JACK	SKJS-010-2	PHONE JACK	
416	1	D1	KDS181	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
417	1	D16	KDS181	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
418	1	D17	KDS181	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
419	1	D2	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
420	1	D5	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
421	1	D6	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
422	1	D9	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
423	1	D12	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
424	1	D23	KDS160	DIODE SI	DIODE SI CHIP USC	KEC
425	1	Q1	2SC4901	RF TR	TRANSISTOR	HITACHI
426	1	Q2	2SC4901	RF TR	TRANSISTOR	HITACHI
427	1	Q3	KTC3880S	RF TR	TRANSISTOR	KEC
428	1	Q4	2SC4901	RF TR	TRANSISTOR	HITACHI
429	1	Q7	2SC4901	RF TR	TRANSISTOR	HITACHI
430	1	Q8	NA			
431	1	Q9	MMBR951	RF TR	TRANSISTOR	MOTOROLA
432	1	Q10	2SC4901	RF TR	TRANSISTOR	HITACHI
433	1	Q11	KTC3875S	RF TR	TRANSISTOR	KEC
434	1	Q12	KRC104S	TRANSISTOR	TRANSISTOR	KEC
435	1	Q16	KRC104S	TRANSISTOR	TRANSISTOR	KEC
436	1	Q17	KRC104S	TRANSISTOR	TRANSISTOR	KEC
437	1	Q18	KRC104S	TRANSISTOR	TRANSISTOR	KEC
438	1	Q19	KRC104S	TRANSISTOR	TRANSISTOR	KEC
439	1	Q20	KRC104S	TRANSISTOR	TRANSISTOR	KEC
440	1	Q21	KRC104S	TRANSISTOR	TRANSISTOR	KEC
441	1	Q24	KRC104S	TRANSISTOR	TRANSISTOR	KEC
442	1	Q25	NA			
443	1	Q28	KTC3875S	RF TR	TRANSISTOR	KEC
444	1	Q30	KTC3875S	RF TR	TRANSISTOR	KEC
445	1	Q31	KTC3875S	RF TR	TRANSISTOR	KEC

446	1	Q32	KTC3875S	RF TR	TRANSISTOR	KEC
447	1	Q33	KTC3875S	RF TR	TRANSISTOR	KEC
448	1	Q35	2SC4901	RF TR	TRANSISTOR	HITACHI
449	1	Q36	KRC104S	TRANSISTOR	TRANSISTOR	KEC
450	1	Q37	KRC104S	TRANSISTOR	TRANSISTOR	KEC
451	1	L1	100nH	1608 K	MOLDED INDUCTOR	SE KWANG
452	1	L2	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
453	1	L3	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
454	1	L4	45143TL	0.45-1.4-3T	SMD AIR INDUCTOR	SE KWANG
455	1	L5	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
456	1	L6	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
457	1	L7	35164TL	0.35-1.6-4T	SMD AIR INDUCTOR	SE KWANG
458	1	L8	35164TL	0.35-1.6-4T	SMD AIR INDUCTOR	SE KWANG
459	1	L9	35164TL	0.35-1.6-4T	SMD AIR INDUCTOR	SE KWANG
460	1	L10	45142TL	0.45-1.4-2T	SMD AIR INDUCTOR	SE KWANG
461	1	L11	28116TR	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
462	1	L13	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
463	1	L14	1uH	1608 K	MOLDED INDUCTOR	SE KWANG
464	1	L15	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
465	1	L16	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
466	1	L17	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
467	1	L18	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
468	1	L19	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
469	1	L20	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
470	1	L21	30113TL	0.30-1.1-3T	SMD AIR INDUCTOR	SE KWANG
471	1	L22	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
472	1	L23	22nH	1608 K	MOLDED INDUCTOR	SE KWANG
473	1	L24	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
474	1	L25	1uH	1608 K	MOLDED INDUCTOR	SE KWANG
475	1	L26	8.2nH	1608 K	MOLDED INDUCTOR	SE KWANG
476	1	D7	DUAL LED	SML-020MLT	LED DUAL SMD	ROHM

477	1	D14	DUAL LED	SML-020MLT	LED DUAL SMD	ROHM
478	1	U3	LM358M		DUAL OP AMP 8 PIN LOW POWER	
479	1	U4	LM358M		DUAL OP AMP 8 PIN LOW POWER	
480	1	U6	LM358M		DUAL OP AMP 8 PIN LOW POWER	
481	1	IC2	LMX1511	LMX1511	PLL IC	National Semiconductor
482	1	IC1	DBL5018	SO-16	IC FM IF	MOTOROLA ELECTRONICS
483	1	Q6	MRF9482	RF TR	MRF9482	MOTOROLA
484	1	IC4	CPU	TMP87PM41U		TOSHIBA
485	1	S1	SW VOL	20KA	TP76NOON 15F A20K	MOTOROLA
486	1	SPK1	80HM	SPEAKER	SM-408MS	SHIN MEOUNG
487	1	SW2	MON	TACTSW		SE KWANG ELECTRONICS
488	1	SW3	PTT	TACTSW		SE KWANG ELECTRONICS
489	1	IC5	TDA7233D	TDA7233	AUDIO AMP SO8	SGS TOMSON
490	1	IC3	TK11250MTF	TK11250AMTL	I.C. REGULATOR	TOKO
491	1	U1	KIA324F	KIA324F	OP AMP	KEC
492	1	U2	KIA324F	KIA324F	OP AMP	KEC
493	1	U5	KIA324F	KIA324F	OP AMP	KEC
494	1	RV1	22KB	VRES	Semi-VR	LG ELECTRONICS
495	1	RV2	22KB	VRES	Semi-VR	LG ELECTRONICS
496	1	RV4	5K	VRES	Semi-VR	LG ELECTRONICS
497	1	RV5	47k	VRES	Semi-VR	LG ELECTRONICS
498	1	XT1	44.645MHz	491S	44.645MHz	NDK
499	1	XT2	4 MHz	491S	4MHz	KWELL
500	1	XT3	21.25MHz	HR-5E 18PF	21.25MHz	NDK
501	1	XF1	45.1MHz	4515BN	X-TAL FILTER	NDK
502	1	XF2	45.1MHz	4515BN	X-TAL FILTER	NDK

Item	Qty	Reference	VALUE	Description	Part Type	VENDOR
1	1	T1	Qurd	303LC-K5004NK	COIL IFT	KOREA TOKO CO.
2	1	C22	470p	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
3	1	C41	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
4	1	C52	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
5	1	C53	7P	GRM39 COG 070C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
6	1	C85	NA			
7	1	C160	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
8	1	R1	56K	1608 5%	RESISTOR CHIP	R. OHM KOREA
9	1	R2	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
10	1	R3	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
11	1	R4	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
12	1	R5	68R	1608 5%	RESISTOR CHIP	R. OHM KOREA
13	1	R6	15K	1608 5%	RESISTOR CHIP	R. OHM KOREA
14	1	R7	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
15	1	R8	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
16	1	R9	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
17	1	R10	150K	1608 5%	RESISTOR CHIP	R. OHM KOREA
18	1	R11	3.3K	1608 5%	RESISTOR CHIP	R. OHM KOREA
19	1	R12	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
20	1	R13	39k	1608 5%	RESISTOR CHIP	R. OHM KOREA
21	1	R14	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
22	1	R15	680k	1608 5%	RESISTOR CHIP	R. OHM KOREA
23	1	R16	4.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
24	1	R17	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
25	1	R18	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
26	1	R19	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
27	1	R20	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
28	1	R21	2.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
29	1	R22	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
30	1	R23	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
31	1	R24	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA

32	1	R25	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
33	1	R26	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
34	1	R27	2.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
35	1	R28	3.6k	1608 5%	RESISTOR CHIP	R. OHM KOREA
36	1	R29	3.3k	1608 5%	RESISTOR CHIP	R. OHM KOREA
37	1	R30	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
38	1	R31	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
39	1	R32	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
40	1	R33	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA
41	1	R34	1R(0805)	2012 5%	RESISTOR CHIP	R. OHM KOREA
42	1	R35	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
43	1	R36	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
44	1	R37	39R	1608 5%	RESISTOR CHIP	R. OHM KOREA
45	1	R38	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
46	1	R39	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
47	1	R40	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
48	1	R41	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
49	1	R42	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
50	1	R43	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
51	1	R44	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
52	1	R45	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
53	1	R46	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
54	1	R47	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
55	1	R48	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
56	1	R49	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
57	1	R50	1.8K	1608 5%	RESISTOR CHIP	R. OHM KOREA
58	1	R51	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
59	1	R52	470k	1608 5%	RESISTOR CHIP	R. OHM KOREA
60	1	R53	62k	1608 5%	RESISTOR CHIP	R. OHM KOREA
61	1	R54	3.9k	1608 5%	RESISTOR CHIP	R. OHM KOREA
62	1	R55	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
63	1	R56	10R	1608 5%	RESISTOR CHIP	R. OHM KOREA
64	1	R57	68R	1608 5%	RESISTOR CHIP	R. OHM KOREA

65	1	R58	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
66	1	R59	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
67	1	R60	1.8k	1608 5%	RESISTOR CHIP	R. OHM KOREA
68	1	R61	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
69	1	R62	1K	1608 5%	RESISTOR CHIP	R. OHM KOREA
70	1	R63	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
71	1	R64	1M	1608 5%	RESISTOR CHIP	R. OHM KOREA
72	1	R65	51k	1608 5%	RESISTOR CHIP	R. OHM KOREA
73	1	R66	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
74	1	R67	200k	1608 5%	RESISTOR CHIP	R. OHM KOREA
75	1	R68	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
76	1	R69	15k	1608 5%	RESISTOR CHIP	R. OHM KOREA
77	1	R70	15K	1608 5%	RESISTOR CHIP	R. OHM KOREA
78	1	R71	2.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
79	1	R72	470k	1608 5%	RESISTOR CHIP	R. OHM KOREA
80	1	R73	0R	1608 5%	RESISTOR CHIP	R. OHM KOREA
81	1	R74	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
82	1	R75	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
83	1	R76	560K	1608 5%	RESISTOR CHIP	R. OHM KOREA
84	1	R77	3.9K	1608 5%	RESISTOR CHIP	R. OHM KOREA
85	1	R78	0R	1608 5%	RESISTOR CHIP	R. OHM KOREA
86	1	R79	NA			
87	1	R80	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
88	1	R81	82k	1608 5%	RESISTOR CHIP	R. OHM KOREA
89	1	R82	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
90	1	R83	120k	1608 5%	RESISTOR CHIP	R. OHM KOREA
91	1	R84	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
92	1	R85	150k	1608 5%	RESISTOR CHIP	R. OHM KOREA
93	1	R86	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
94	1	R87	220K	1608 5%	RESISTOR CHIP	R. OHM KOREA
95	1	R88	39k	1608 5%	RESISTOR CHIP	R. OHM KOREA
96	1	R89	33k	1608 5%	RESISTOR CHIP	R. OHM KOREA
97	1	R90	33K	1608 5%	RESISTOR CHIP	R. OHM KOREA

98	1	R91	27K	1608 5%	RESISTOR CHIP	R. OHM KOREA
99	1	R92	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
100	1	R93	680K	1608 5%	RESISTOR CHIP	R. OHM KOREA
101	1	R94	68k	1608 5%	RESISTOR CHIP	R. OHM KOREA
102	1	R95	12k	1608 5%	RESISTOR CHIP	R. OHM KOREA
103	1	R96	2.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
104	1	R97	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
105	1	R98	68k	1608 5%	RESISTOR CHIP	R. OHM KOREA
106	1	R99	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
107	1	R100	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
108	1	R101	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
109	1	R102	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
110	1	R103	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
111	1	R104	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
112	1	R105	39k	1608 5%	RESISTOR CHIP	R. OHM KOREA
113	1	R106	330k	1608 5%	RESISTOR CHIP	R. OHM KOREA
114	1	R107	4.7k	1608 5%	RESISTOR CHIP	R. OHM KOREA
115	1	R108	3k	1608 5%	RESISTOR CHIP	R. OHM KOREA
116	1	R109	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
117	1	R110	20k	1608 5%	RESISTOR CHIP	R. OHM KOREA
118	1	R111	33k	1608 5%	RESISTOR CHIP	R. OHM KOREA
119	1	R112	470R	1608 5%	RESISTOR CHIP	R. OHM KOREA
120	1	R113	470R	1608 5%	RESISTOR CHIP	R. OHM KOREA
121	1	R114	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
122	1	R115	680k	1608 5%	RESISTOR CHIP	R. OHM KOREA
123	1	R116	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
124	1	R117	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
125	1	R118	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
126	1	R119	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
127	1	R120	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
128	1	R121	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
129	1	R122	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
130	1	R123	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA

131	1	R124	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
132	1	R125	56k	1608 5%	RESISTOR CHIP	R. OHM KOREA
133	1	R126	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
134	1	R127	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
135	1	R128	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
136	1	R129	10R	1608 5%	RESISTOR CHIP	R. OHM KOREA
137	1	R130	330k	1608 5%	RESISTOR CHIP	R. OHM KOREA
138	1	R131	15k	1608 5%	RESISTOR CHIP	R. OHM KOREA
139	1	R132	NA			
140	1	R133	10R	1608 5%	RESISTOR CHIP	R. OHM KOREA
141	1	R134	NA			
142	1	R135	200K	1608 5%	RESISTOR CHIP	R. OHM KOREA
143	1	R136	330K	1608 5%	RESISTOR CHIP	R. OHM KOREA
144	1	R137	1M	1608 5%	RESISTOR CHIP	R. OHM KOREA
145	1	R138	0 ohm	1608 5%	RESISTOR CHIP	R. OHM KOREA
146	1	R139	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
147	1	R140	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
148	1	R141	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
149	1	R142	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
150	1	R143	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
151	1	R144	18k	1608 5%	RESISTOR CHIP	R. OHM KOREA
152	1	R145	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
153	1	R146	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
154	1	R147	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
155	1	R148	27k	1608 5%	RESISTOR CHIP	R. OHM KOREA
156	1	R149	6.8k	1608 5%	RESISTOR CHIP	R. OHM KOREA
157	1	R150	27k	1608 5%	RESISTOR CHIP	R. OHM KOREA
158	1	R151	2.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
159	1	R152	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
160	1	R153	6.8K	1608 5%	RESISTOR CHIP	R. OHM KOREA
161	1	R154	2.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
162	1	R155	47R	1608 5%	RESISTOR CHIP	R. OHM KOREA
163	1	R156	220R	1608 5%	RESISTOR CHIP	R. OHM KOREA

164	1	R157	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
165	1	R158	56K	1608 5%	RESISTOR CHIP	R. OHM KOREA
166	1	R159	27K	1608 5%	RESISTOR CHIP	R. OHM KOREA
167	1	R160	47R	1608 5%	RESISTOR CHIP	R. OHM KOREA
168	1	R161	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
169	1	R162	180R	1608 5%	RESISTOR CHIP	R. OHM KOREA
170	1	R163	39R	1608 5%	RESISTOR CHIP	R. OHM KOREA
171	1	R164	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
172	1	R165	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
173	1	R166	1.8k	1608 5%	RESISTOR CHIP	R. OHM KOREA
174	1	R167	100R	1608 5%	RESISTOR CHIP	R. OHM KOREA
175	1	R168	3.3k	1608 5%	RESISTOR CHIP	R. OHM KOREA
176	1	R169	NA			
177	1	R170	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
178	1	R171	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
179	1	R172	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
180	1	R173	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
181	1	R174	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
182	1	R175	22k	1608 5%	RESISTOR CHIP	R. OHM KOREA
183	1	R176	1k	1608 5%	RESISTOR CHIP	R. OHM KOREA
184	1	R177	8.2k	1608 5%	RESISTOR CHIP	R. OHM KOREA
185	1	R178	1R(0805)	2012 5%	RESISTOR CHIP	R. OHM KOREA
186	1	R179	1R(0805)	2012 5%	RESISTOR CHIP	R. OHM KOREA
187	1	R180	22K	1608 5%	RESISTOR CHIP	R. OHM KOREA
188	1	R181	100K	1608 5%	RESISTOR CHIP	R. OHM KOREA
189	1	R182	1M	1608 5%	RESISTOR CHIP	R. OHM KOREA
190	1	R183	100k	1608 5%	RESISTOR CHIP	R. OHM KOREA
191	1	R184	10k	1608 5%	RESISTOR CHIP	R. OHM KOREA
192	1	R185	82k	1608 5%	RESISTOR CHIP	R. OHM KOREA
193	1	R186	220k	1608 5%	RESISTOR CHIP	R. OHM KOREA
194	1	R187	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
195	1	R188	1.5k	1608 5%	RESISTOR CHIP	R. OHM KOREA
196	1	R189	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA

197	1	R190	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
198	1	R191	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
199	1	R192	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
200	1	R193	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
201	1	R194	47K	1608 5%	RESISTOR CHIP	R. OHM KOREA
202	1	R195	47k	1608 5%	RESISTOR CHIP	R. OHM KOREA
203	1	R196	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
204	1	R197	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
205	1	R198	10K	1608 5%	RESISTOR CHIP	R. OHM KOREA
206	1	R199	4.7K	1608 5%	RESISTOR CHIP	R. OHM KOREA
207	1	R200	330k	1608 5%	RESISTOR CHIP	R. OHM KOREA
208	1	R201	33k	1608 5%	RESISTOR CHIP	R. OHM KOREA
209	1	R202	4.7M	1608 5%	RESISTOR CHIP	R. OHM KOREA
210	1	R203	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
211	1	R204	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
212	1	R205	390k	1608 5%	RESISTOR CHIP	R. OHM KOREA
213	1	R206	220K	1608 5%	RESISTOR CHIP	R. OHM KOREA
214	1	C11	1uF(T)	1UF16V A	CAPACITOR TANTALUM DIP	SPRAGUE ELECTRONICS
215	1	C27	4.7u(0805)	4.7uF 10V A	CAPACITOR TANTALUM DIP	SPRAGUE ELECTRONICS
216	1	C33	0.47u	GRM39 X7R 473K	CAPACITOR TANTALUM DIP	SPRAGUE ELECTRONICS
217	1	C87	100uT(D)	107D 4V	CAPACITOR TANTALUM DIP	SPRAGUE ELECTRONICS
218	1	C88	22/16(B)	226B 10V	CAPACITOR TANTALUM DIP	SPRAGUE ELECTRONICS
219	1	C1	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
220	1	C2	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
221	1	C3	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
222	1	C4	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
223	1	C5	8P	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
224	1	C6	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
225	1	C7	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
226	1	C8	0.1(X7R)	GRM39 X7R 104K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
227	1	C9	100p	GRM39 X7R 101K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
228	1	C10	2200p	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA

229	1	C12	2200p	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
230	1	C13	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
231	1	C14	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
232	1	C15	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
233	1	C16	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
234	1	C17	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
235	1	C18	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
236	1	C19	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
237	1	C20	8P	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
238	1	C21	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
239	1	C23	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
240	1	C24	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
241	1	C25	22P	GRM39 COG 220J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
242	1	C26	3p	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
243	1	C28	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
244	1	C29	33p	GRM39 COG 330J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
245	1	C30	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
246	1	C31	0.01	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
247	1	C32	NA			
248	1	C34	3P	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
249	1	C35	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
250	1	C36	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
251	1	C37	22P	GRM39 COG 220J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
252	1	C38	22P	GRM39 COG 220J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
253	1	C39	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
254	1	C40	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
255	1	C42	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
256	1	C43	3P	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
257	1	C44	1000p	GRM39 X7R 102K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
258	1	C45	3p	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
259	1	C46	24p	GRM39 COG 240J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA

260	1	C47	47P	GRM39 COG 470J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
261	1	C48	8p	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
262	1	C49	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
263	1	C50	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
264	1	C51	10p	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
265	1	C54	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
266	1	C55	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
267	1	C56	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
268	1	C57	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
269	1	C58	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
270	1	C59	NA			
271	1	C60	33P	GRM39 COG 330J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
272	1	C61	8p	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
273	1	C62	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
274	1	C63	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
275	1	C64	0R	1608 5%	RESISTOR CHIP	R. OHM KOREA
276	1	C65	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
277	1	C66	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
278	1	C67	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
279	1	C68	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
280	1	C69	6p	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
281	1	C70	470p	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
282	1	C71	6p	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
283	1	C72	8p	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
284	1	C73	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
285	1	C74	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
286	1	C75	NA			
287	1	C76	3P	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
288	1	C77	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
289	1	C78	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
290	1	C79	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA

291	1	C80	10p	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
292	1	C81	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
293	1	C82	0.01	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
294	1	C83	0.01	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
295	1	C84	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
296	1	C86	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
297	1	C89	4.7u	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
298	1	C90	4.7u	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
299	1	C91	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
300	1	C92	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
301	1	C93	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
302	1	C94	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
303	1	C95	20p	GRM39 COG 200J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
304	1	C96	20p	GRM39 COG 200J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
305	1	C97	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
306	1	C98	4700p	GRM39 X7R 472K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
307	1	C99	0.056u	GRM39 X7R 563K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
308	1	C100	0.033u	GRM39 X7R 333K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
309	1	C101	0.027u	GRM39 X7R 273K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
310	1	C102	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
311	1	C103	8.2K	1608 5%	RESISTOR CHIP	R. OHM KOREA
312	1	C104	27K	1608 5%	RESISTOR CHIP	R. OHM KOREA
313	1	C105	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
314	1	C106	560p	GRM39 X7R 561K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
315	1	C107	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
316	1	C108	560p	GRM39 X7R 561K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
317	1	C109	0.01u	GRM39 X7R 103K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
318	1	C110	0.056u	GRM39 X7R 563K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
319	1	C111	2200p	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
320	1	C112	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
321	1	C113	NA			

322	1	C114	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
323	1	C115	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
324	1	C116	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
325	1	C117	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
326	1	C118	0.22u	GRM39 X7R 224K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
327	1	C119	0.22u	GRM39 X7R 224K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
328	1	C120	0.022u	GRM39 X7R 223K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
329	1	C121	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
330	1	C122	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
331	1	C123	0.047u	GRM39 X7R 473K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
332	1	C124	470p	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
333	1	C125	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
334	1	C126	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
335	1	C127	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
336	1	C128	1000p	GRM39 X7R 102K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
337	1	C129	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
338	1	C130	NA			
339	1	C131	NA			
340	1	C132	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
341	1	C133	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
342	1	C134	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
343	1	C135	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
344	1	C136	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
345	1	C137	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
346	1	C138	10uT(A)	10uF/6V A	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
347	1	C139	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
348	1	C140	0.01u	GRM39 Y5V 103Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
349	1	C141	8P	GRM39 COG 080C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
350	1	C142	33P	GRM39 COG 330J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
351	1	C143	NA			
352	1	C144	4p	GRM39 COG 040C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA

353	1	C145	12P	GRM39 COG 120J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
354	1	C146	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
355	1	C147	6P	GRM39 COG 060C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
356	1	C148	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
357	1	C149	10P	GRM39 COG 100J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
358	1	C150	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
359	1	C151	1000p	GRM39 X7R 102K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
360	1	C152	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
361	1	C153	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
362	1	C154	4.7u(0805)	GRM39 Y5V 475Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
363	1	C155	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
364	1	C156	470P	GRM39 X7R 471K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
365	1	C157	5P	GRM39 COG 050C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
366	1	C158	3p	GRM39 COG 030C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
367	1	C159	2P	GRM39 COG 020C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
368	1	C161	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
369	1	C162	0.5P	GRM39 COG 0R5C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
370	1	C163	0.75P	GRM39 COG 0R75C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
371	1	C164	1.8P	GRM39 COG 1R8C	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
372	1	C165	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
373	1	C166	0.1u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
374	1	C167	2200P	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
375	1	C168	47P	GRM39 COG 470J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
376	1	C169	20P	GRM39 COG 200J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
377	1	C170	220p	GRM39 COG 221J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
378	1	C171	12P	GRM39 COG 120J	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
379	1	C172	1u	GRM39 Y5V 105 Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
380	1	C173	2200P	GRM39 X7R 222K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
381	1	C174	3300p	GRM39 X7R332K	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
382	1	C175	0.01u	GRM39 Y5V 104Z	CAPACITOR CERAMIC CHIP	AVX/KYOCERA
383	1	Q5	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC

384	1	Q13	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
385	1	Q14	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
386	1	Q15	KRA101S	KRA101S	TRANSISTOR SOT23	KEC
387	1	Q22	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
388	1	Q23	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
389	1	Q26	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
390	1	Q27	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC
391	1	Q29	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC
392	1	Q34	KTA1504S	KTA1504S	TRANSISTOR SOT23	KEC
393	1	Q38	KRA105S	KRA105S	TRANSISTOR SOT23	KEC
394	1	IC701	EEPROM	24LC02	SO8	
395	1	ANT1	ANT	ANT		
396	1	MIC1	C-MIC	C-MIC	KUC4023-010010	HOSIDEN
397	1	TC1	6p	TZV02Z060A	TRIMMER CAP CHIP	MURATA
398	1	TC2	6p	TZV02Z060A	TRIMMER CAP CHIP	MURATA
399	1	TC3	6p	TZV02Z060A	TRIMMER CAP CHIP	MURATA
400	1	CF1	455F	CERAMIC-FILTER	FILTER CERAMIC	TOKO/ CQ
401	1	CF2	455HT	CERAMIC-FILTER	FILTER CERAMIC	TOKO/ CQ
402	1	CHSW1				
403	1	D3	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
404	1	D4	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
405	1	D10	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
406	1	D11	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
407	1	D15	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
408	1	D19	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
409	1	D20	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
410	1	D21	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
411	1	D22	KDV154	DIODE VARICAP	DIODE SI CHIP USC	KEC
412	1	D8	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
413	1	D13	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
414	1	D18	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC

415	1	J1	EXT-JACK	SKJS-010-2	PHONE JACK	
416	1	D1	KDS181	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
417	1	D16	KDS181	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
418	1	D17	KDS181	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
419	1	D2	KDS226	DIODE-DUAL	DIODE SI CHIP SOT23	KEC
420	1	D5	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
421	1	D6	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
422	1	D9	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
423	1	D12	KDS114	DIODE PIN	DIODE SI CHIP USC	KEC
424	1	D23	KDS160	DIODE SI	DIODE SI CHIP USC	KEC
425	1	Q1	2SC4901	RF TR	TRANSISTOR	HITACHI
426	1	Q2	2SC4901	RF TR	TRANSISTOR	HITACHI
427	1	Q3	KTC3880S	RF TR	TRANSISTOR	KEC
428	1	Q4	2SC4901	RF TR	TRANSISTOR	HITACHI
429	1	Q7	2SC4901	RF TR	TRANSISTOR	HITACHI
430	1	Q8	NA			
431	1	Q9	MMBR951	RF TR	TRANSISTOR	MOTOROLA
432	1	Q10	2SC4901	RF TR	TRANSISTOR	HITACHI
433	1	Q11	KTC3875S	RF TR	TRANSISTOR	KEC
434	1	Q12	KRC104S	TRANSISTOR	TRANSISTOR	KEC
435	1	Q16	KRC104S	TRANSISTOR	TRANSISTOR	KEC
436	1	Q17	KRC104S	TRANSISTOR	TRANSISTOR	KEC
437	1	Q18	KRC104S	TRANSISTOR	TRANSISTOR	KEC
438	1	Q19	KRC104S	TRANSISTOR	TRANSISTOR	KEC
439	1	Q20	KRC104S	TRANSISTOR	TRANSISTOR	KEC
440	1	Q21	KRC104S	TRANSISTOR	TRANSISTOR	KEC
441	1	Q24	KRC104S	TRANSISTOR	TRANSISTOR	KEC
442	1	Q25	NA			
443	1	Q28	KTC3875S	RF TR	TRANSISTOR	KEC
444	1	Q30	KTC3875S	RF TR	TRANSISTOR	KEC
445	1	Q31	KTC3875S	RF TR	TRANSISTOR	KEC

446	1	Q32	KTC3875S	RF TR	TRANSISTOR	KEC
447	1	Q33	KTC3875S	RF TR	TRANSISTOR	KEC
448	1	Q35	2SC4901	RF TR	TRANSISTOR	HITACHI
449	1	Q36	KRC104S	TRANSISTOR	TRANSISTOR	KEC
450	1	Q37	KRC104S	TRANSISTOR	TRANSISTOR	KEC
451	1	L1	100nH	1608 K	MOLDED INDUCTOR	SE KWANG
452	1	L2	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
453	1	L3	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
454	1	L4	45143TL	0.45-1.4-3T	SMD AIR INDUCTOR	SE KWANG
455	1	L5	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
456	1	L6	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
457	1	L7	35164TL	0.35-1.6-4T	SMD AIR INDUCTOR	SE KWANG
458	1	L8	35164TL	0.35-1.6-4T	SMD AIR INDUCTOR	SE KWANG
459	1	L9	35164TL	0.35-1.6-4T	SMD AIR INDUCTOR	SE KWANG
460	1	L10	45142TL	0.45-1.4-2T	SMD AIR INDUCTOR	SE KWANG
461	1	L11	28116TR	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
462	1	L13	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
463	1	L14	1uH	1608 K	MOLDED INDUCTOR	SE KWANG
464	1	L15	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
465	1	L16	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
466	1	L17	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
467	1	L18	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
468	1	L19	28116TL	0.28-1.1-6T	SMD AIR INDUCTOR	SE KWANG
469	1	L20	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
470	1	L21	30113TL	0.30-1.1-3T	SMD AIR INDUCTOR	SE KWANG
471	1	L22	27nH	1608 K	MOLDED INDUCTOR	SE KWANG
472	1	L23	22nH	1608 K	MOLDED INDUCTOR	SE KWANG
473	1	L24	220nH	1608 K	MOLDED INDUCTOR	SE KWANG
474	1	L25	1uH	1608 K	MOLDED INDUCTOR	SE KWANG
475	1	L26	8.2nH	1608 K	MOLDED INDUCTOR	SE KWANG
476	1	D7	DUAL LED	SML-020MLT	LED DUAL SMD	ROHM

477	1	D14	DUAL LED	SML-020MLT	LED DUAL SMD	ROHM
478	1	U3	LM358M		DUAL OP AMP 8 PIN LOW POWER	
479	1	U4	LM358M		DUAL OP AMP 8 PIN LOW POWER	
480	1	U6	LM358M		DUAL OP AMP 8 PIN LOW POWER	
481	1	IC2	LMX1511	LMX1511	PLL IC	National Semiconductor
482	1	IC1	DBL5018	SO-16	IC FM IF	MOTOROLA ELECTRONICS
483	1	Q6	MRF9482	RF TR	MRF9482	MOTOROLA
484	1	IC4	CPU	TMP87PM41U		TOSHIBA
485	1	S1			R/A SWITCH (VERTICAL)	
486	1	SPK1	8OHM	SPEAKER	SM-408MS	SHIN MEOUNG
487	1	SW2	MON	TACTSW		SE KWANG ELECTRONICS
488	1	SW3	PTT	TACTSW		SE KWANG ELECTRONICS
489	1	IC5	TDA7233D	TDA7233	AUDIO AMP SO8	SGS TOMSON
490	1	IC3	TK11250MTF	TK11250AMTL	I.C. REGULATOR	TOKO
491	1	U1	KIA324F	KIA324F	OP AMP	KEC
492	1	U2	KIA324F	KIA324F	OP AMP	KEC
493	1	U5	KIA324F	KIA324F	OP AMP	KEC
494	1	RV1	22KB	VRES	Semi-VR	LG ELECTRONICS
495	1	RV2	22KB	VRES	Semi-VR	LG ELECTRONICS
496	1	RV4	5K	VRES	Semi-VR	LG ELECTRONICS
497	1	RV5	47k	VRES	Semi-VR	LG ELECTRONICS
498	1	XT1	44.645MHz	491S	44.645MHz	NDK
499	1	XT2	4 MHz	491S	4MHz	KWELL
500	1	XT3	21.25MHz	HR-5E 18PF	21.25MHz	NDK
501	1	XF1	45.1MHz	4515BN	X-TAL FILTER	NDK
502	1	XF2	45.1MHz	4515BN	X-TAL FILTER	NDK