

NO.	Description	Ref. NO
1	PT8100-01 Main Board Material, 136MHz-174MHz, ROHS	
2	PT8100PCB, 4 Laver, FR4, 1.6mm, PT8100V-091123. PCB, ROHS	
3	CPU / MB90F882PMC-GE1, LQFP100, FUJITSU, ROHS	IC11
4	IC/ UPB1509GV, ROHS	IC19
5	Power Module / RA30H1317M, ROHS	IC1
6	IC / SYSTEM, RESET, PST9124NR, ROHS	IC14
7	IC / TA31136FN, SSOP, ROHS	IC6
8	IC / AT24C512BN-SH25, ATMEL, ROHS	IC12
9	PLL IC / MB15E03SL, PLL, 16-PIN, SSOP, ROHS	IC3
10	IC / XC62FP3502PR, SOT-89, ROHS	IC2
11	DTMF IC / HT9172, SOP, ROHS	IC5
12	IC / L7808CV, ROHS	IC16
13	OP-AMP IC / NJM2902V, OP-AMP, ROHS	IC8, IC9, IC10, IC13
14	OP-AMP IC / NJM2904V, OP-AMP, ROHS	IC4
15	IC / NIM78L05UA, ROHS	IC18
16	IC / TA78033AF, TOSHIBA, OP-AMP	IC17
17	IC / TDA7297D, ST, ROHS	IC7
18	Diode / 02DZ18(X.Y), ROHS	D35
19	Diode / DA221 (ROHM), ROHS	D13
20	Diode / 1SS372 (TOSHIBA), ROHS	D32
21	Diode / 1SV278, ROHS	D8
22	Diode / L709CER, ROHS	D3, D11, D36, D37
23	Diode / 0603, MA2S111 (PANASONIC), ROHS	D12, D15
24	Diode / DAN222, (ROHM), ROHS	D20, D21, D33
25	Diode / HSC277 (HITACHI), ROHS	D2, D19
26	Diode / HVC376B, ROHS	D1, D4, D5, D6, D14, D16, D17, D18, D27, D28, D29, D30
27	Diode / HZU5ALL (HITACHI), ROHS	D7
28	Diode / RB706F-40, SOT-323, ROHS	D9, D10, D25
29	Diode / DSM3MA1, ROHS	D34
30	Transistor / DTA144EE (ROHM), ROHS	Q23, Q29, Q35, Q36
31	Transistor / DTC144EE (ROHM), ROHS	Q9, Q10, Q17, Q22, Q24, Q25, Q27, Q28, Q37, Q42, Q43, Q44, Q47, Q50
32	Transistor / KRC404RTK, ROHS	Q41
33	Transistor / 2SA1641 (S.T), ROHS	Q39
34	Transistor / 2SC3357, ROHS	Q4, Q5
35	Transistor / 2SC4116-GR, ROHS	Q13
36	Transistor / 2SC4617 (R) (ROHM), ROHS	Q8, Q14, Q21, Q26, Q31, Q52
37	Transistor / 2SC4919, MUTING, CIRCUIT (SANYO), ROHS	Q32
38	Transistor / 2SC5108Y (TOSHIBA), ROHS	Q1, Q2, Q7, Q11, Q20
39	Transistor / KTA1298 (Y), ROHS	Q38, Q40
40	FET / 2SK508NV (K52), ROHS	Q6, Q12
41	FET / 3SK318, ROHS	Q18, Q19
42	FET / 2SK1824, ROHS	Q3, Q30, Q33, Q34, Q45, Q46, Q49, Q53, Q54
43	IC / JTBM450CX24, ROHS	CD1
44	Filter / LTM450FW, 450kHz \pm 7kHz, ROHS	CF2
45	Filter / LTM450HT, 450kHz \pm 3kHz, ROHS	CF1
46	IF Filter / 49.95MHz \pm 7.5KHz, U-5*2, ROHS	XF1, XF2
47	Chip R / 0402, 0R \pm 5%, ROHS	C134, C135, C374, C375, R17, R66, R72, R84, R85, R86, R144, R145, R167, R172, R187, R188, R189, R229, R237, R248, R252, R257, R268, R302, R322, R325, R339
48	Chip R / 0402, 10R \pm 5%, ROHS	R2, R3, R71, R82, R266, R327, R329, R330, R332
49	Chip R / 0402, 100R \pm 5%, ROHS	R21, R26, R101, R121, R247
50	Chip R / 0402, 1K \pm 5%, ROHS	R9, R48, R70, R83, R104, R136, R194, R201, R219, R231, R254, R265, R270, R292, R297, R315, R338
51	Chip R / 0402, 10K \pm 5%, ROHS	R10, R12, R13, R15, R24, R35, R62, R65, R68, R74, R79, R81, R112, R174, R210, R228, R233, R280, R283, R284, R285, R286, R287, R298, R307, R308, R309, R313, R314, R316
52	Chip R / 0402, 100K \pm 5%, ROHS	R40, R52, R53, R59, R60, R67, R80, R199, R208, R214, R225, R230, R236, R239
53	Chip R / 0402, 1M \pm 5%, ROHS	R130, R131, R133, R137, R139, R192, R277, R312
54	Chip R / 0402, 120R \pm 5%, ROHS	R61
55	Chip R / 0402, 1.2K \pm 5%, ROHS	R152, R267
56	Chip R / 0402, 12K \pm 5%, ROHS	R16, R245
57	Chip R / 0402, 120K \pm 5%, ROHS	R150, R175
58	Chip R / 0402, 150R \pm 5%, ROHS	R63, R111
59	Chip R / 0402, 1.5K \pm 5%, ROHS	R54, R218
60	Chip R / 0402, 15K \pm 5%, ROHS	R162, R272

61	Chip R / 0402, 150K±5%, ROHS	R6, R11, R27, R168, R181, R216, R223, R226
62	Chip R / 0402, 1.8K±5%, ROHS	R336
63	Chip R / 0402, 18K±5%, ROHS	R198, R207, R217, R259
64	Chip R / 0402, 180K±1%, ROHS	R92, R117, R169, R170, R177, R209, R221
65	Chip R / 0402, 200K±5%, ROHS	R69
66	Chip R / 0402, 22R±5%, ROHS	R37, R103
67	Chip R / 0402, 2.2K±5%, ROHS	R1, R227
68	Chip R / 0402, 22K±5%, ROHS	R106, R109, R110, R153, R171, R215
69	Chip R / 0402, 220K±5%, ROHS	R183, R213, R311
70	Chip R / 0402, 2.7K±5%, ROHS	R57, R148, R222
71	Chip R / 0402, 27K±5%, ROHS	R78, R118, R161, R205
72	Chip R / 0402, 270K±5%, ROHS	R42, R164, R246, R306, R318
73	Chip R / 0402, 330R±5%, ROHS	R14, R43
74	Chip R / 0402, 3.3K±5%, ROHS	R124, R142, R146, R159, R173, R211
75	Chip R / 0402, 33K±5%, ROHS	R147, R151, R156, R157, R185, R249, R319
76	Chip R / 0402, 330K±5%, ROHS	R73, R108, R134, R269
77	Chip R / 0402, 360R±5%, ROHS	R299
78	Chip R / 0402, 3.9K±5%, ROHS	R279
79	Chip R / 0402, 39K±5%, ROHS	R64, R143, R278
80	Chip R / 0402, 390K±5%, ROHS	R202, R220, R310
81	Chip R / 0402, 43K±5%, ROHS	R163
82	Chip R / 0402, 47R±5%, ROHS	R33
83	Chip R / 0402, 470R±5%, ROHS	R100, R271, R291
84	Chip R / 0402, 4.7K±5%, ROHS	R5, R38, R39, R91, R128, R154, R158, R176, R179, R180, R191, R195, R196, R197, R200, R203, R282, R288, R289, R290, R304
85	Chip R / 0402, 47K±5%, ROHS	R89, R105, R123, R126, R127, R129, R141, R160, R238, R293, R294, R300, R328, R331, R333, R337
86	Chip R / 0402, 470K±5%, ROHS	R140, R165, R204, R250, R253, R305
87	Chip R / 0402, 56R±5%, ROHS	R115, R135
88	Chip R / 0402, 560R±5%, ROHS	R51, R55
89	Chip R / 0402, 5.6K±5%, ROHS	R155, R178, R184, R193, R212, R241, R260
90	Chip R / 0402, 56K±5%, ROHS	R97, R125, R149, R232, R258, R263, R275
91	Chip R / 0402, 560K±5%, ROHS	R99, R243
92	Chip R / 0402, 6.8K±5%, ROHS	R94, R95, R113, R114, R244, R317
93	Chip R / 0402, 68K±5%, ROHS	R264, R274
94	Chip R / 0402, 820R±5%, ROHS	R76, R77, R255
95	Chip R / 0402, 8.2K±5%, ROHS	R235, R242
96	Chip R / 0402, 82K±5%, ROHS	R75, R88, R224
97	Chip R / 0402, 91K±5%, ROHS	R190
98	Chip R / 0603, 0R±5%, ROHS	C31, C176, D23, L52, L62
99	Chip R / 0603, 10R±5%, ROHS	R8
100	Chip R / 0603, 10K±5%, ROHS	R45
101	Chip R / 0603, 120R±5%, ROHS	R4
102	Chip R / 0603, 1.5K±1%, ROHS	R41
103	Chip R / 0603, 22R±5%, ROHS	R30
104	Chip R / 0603, 220R±5%, ROHS	L8
105	Chip R / 0603, 2.2K±5%, ROHS	R18, R19
106	Chip R / 0603, 270R±5%, ROHS	R44
107	Chip R / 0603, 270K±5%, ROHS	R36
108	Chip R / 0603, 3.3K±5%, ROHS	R32
109	Chip R / 0603, 47R±5%, ROHS	R29, R34
110	Chip R / 0603, 47K±5%, ROHS	R182, R206
111	Chip R / 0603, 560R±5%, ROHS	R22, R23
112	Chip R / 0603, 680R±5%, ROHS	R58
113	Chip R / 0805, 0R±5%, ROHS	L54
114	Chip R / 0805, 22R±5%, ROHS	L30
115	Chip R / 0805, 47R±5%, ROHS	L31
116	Chip R / 1206, 220R±5%, ROHS	R46, R47
117	Chip R / EVM2NSX80B54, 50K±25%, B Linear, ROHS	VR2
118	R / 10D220, ROHS	R281
119	Chip Fuse / 433003, 3A/32V, 1206, ROHS	F1
120	Chip C / 0402, 10P±0.5P, 50V, COG, ROHS	C7, C16, C80, C138, C139, C307
121	Chip C / 0402, 100P±5%, 50V, COG, ROHS	C27, C28, C97, C103, C105, C108, C112, C114, C125, C335, C336, C349, C350, C351, C352, C353, C354, C356, C359, C360, C361, C362, C363, C364, C369, C382, C383, C384

122	Chip C / 0402, 1000P±10%, 50V, X7R, ROHS	C19, C21, C36, C37, C49, C57, C58, C59, C68, C82, C87, C89, C90, C91, C92, C95, C98, C99, C167, C170, C171, C188, C189, C196, C206, C214, C220, C223, C231, C266, C311, C321, C370, C371, C372, C373, C413, C416
123	Chip C / 0402, 0.01uF±10%, 50V, X7R, ROHS	C33, C51, C55, C81, C110, C115, C121, C133, C145, C153, C242, C256, C284, C330, C333, C368, C385
124	Chip C / 0402, 0.1uF, +80%—20%, 16V, Y5V, ROHS	C264
125	Chip C / 0402, 0.1uF±10%, 16V, X7R, ROHS	C17, C23, C24, C83, C102, C144, C172, C173, C183, C184, C186, C187, C204, C209, C210, C211, C213, C230, C235, C253, C259, C261, C268, C270, C271, C272, C275, C295, C300, C308, C319, C324, C325, C329, C334, C337, C338, C394, C407, C408, C410, R296
126	Chip C / 0402, 1uF±10%, 6.3V, X5R, ROHS	C56, C120, C254, C267, C280, C298, C303, C304, C312, C323, C367, C414
127	Chip C / 0402, 0.012uF±10%, 25V, X7R, ROHS	C249, C252, C258, C263, C273, C292, C386
128	Chip C / 0402, 15P±5%, 50V, COG, ROHS	C13, C53, C118, C168, C190
129	Chip C / 0402, 150P±5%, 50V, COG, ROHS	C195
130	Chip C / 0402, 0.015uF±10%, 50V, X7R, ROHS	C387, C389
131	Chip C / 0402, 180P±10%, 50V, X7R, ROHS	C2, C106
132	Chip C / 0402, 1800P±10%, 50V, X7R, ROHS	C154, C158, C217
133	Chip C / 0402, 0.018uF±10%, 25V, X7R, ROHS	C390, C391
134	Chip C / 0402, 1.5P±0.25P, 50V, COG, ROHS	C69, C70
135	Chip C / 0402, 20P±5%, 50V, COG, ROHS	C281, C296
136	Chip C / 0402, 220P±5%, 50V, COG, ROHS	C282
137	Chip C / 0402, 2200P±10%, 50V, X7R, ROHS	C248, C262
138	Chip C / 0402, 0.022uF±10%, 25V, X7R, ROHS	C238, C239, C322, C355, C365
139	Chip C / 0402, 27P±5%, 50V, COG, ROHS	C194, C197, C198
140	Chip C / 0402, 0.027uF±10%, 50V, X7R, ROHS	C396
141	Chip C / 0402, 2P±0.25P, 50V, COG, ROHS	C104
142	Chip C / 0402, 33P±5%, 50V, COG, ROHS	C6, C93, C130, C147, C232
143	Chip C / 0402, 330P±10%, 50V, X7R, ROHS	C140
144	Chip C / 0402, 3300P±10%, 50V, X7R, ROHS	C297
145	Chip C / 0402, 0.033uF±10%, 16V, X7R, ROHS	C243, C257, C276
146	Chip C / 0402, 36P±5%, 50V, COG, ROHS	C205
147	Chip C / 0402, 39P±5%, 50V, COG, ROHS	C225, C229
148	Chip C / 0402, 3900P±10%, 50V, X7R, ROHS	C301, C314, C377, C378, C399, C400, C401, C402
149	Chip C / 0402, 0.039uF±10%, 10V, X7R, ROHS	C156, C250, C251, C288
150	Chip C / 0402, 3P±0.25P, 50V, COG, ROHS	C124, C177, C291
151	Chip C / 0402, 47P±5%, 50V, COG, ROHS	C129, C255
152	Chip C / 0402, 470P±10%, 50V, X7R, ROHS	C3, C9, C11, C12, C20, C38, C47, C52, C54, C71, C76, C88, C116, C119, C123, C128, C136, C142, C143, C148, C151, C157, C160, C169, C174, C178, C182, C207, C212, C215, C218, C221, C222, C247, C274, C279, C283, C285, C293, C302, C305, C310, C317, C326, C328,
153	Chip C / 0402, 0.047uF±10%, 16V, X7R, ROHS	C245, C287, C294, C306
154	Chip C / 0402, 4P±0.25P, 50V, COG, ROHS	C35, C162, C163, C208
155	Chip C / 0402, 5P±0.25P, 50V, COG, ROHS	C200
156	Chip C / 0402, 680P±10%, 16V, X7R, ROHS	C132
157	Chip C / 0402, 6800P±10%, 16V, X7R, ROHS	C299
158	Chip C / 0402, 0.068uF±10%, 16V, X7R, ROHS	C244, C320
159	Chip C / 0402, 0.068uF±10%, 10V, X7R, ROHS	C236, C240, C357, C358
160	Chip C / 0402, 6P±0.5P, 50V, COG, ROHS	C72, C73, C126, C161, C164, C166, C175, C201
161	Chip C / 0402, 7P±0.5P, 50V, COG, ROHS	C107
162	Chip C / 0402, 82P±5%, 50V, COG, ROHS	C234
163	Chip C / 0402, 820P±10%, 16V, X7R, ROHS	C406, C409, C412
164	Chip C / 0402, 8P±0.5P, 50V, COG, ROHS	C165, C192
165	Chip C / 0402, 9P±0.5P, 50V, COG, ROHS	C100
166	Chip C / 0402, 0.5P±0.1P, 50V, COG, ROHS	C48, C60, C61, C65, C127
167	Chip C / 0603, 100P±5%, 50V, COG, ROHS	C18
168	Chip C / 0603, 1000P±10%, 50V, X7R, ROHS	C22, C25, C26, C64, C67, C77, C78, C79, C84, C85, C86, C101, R7
169	Chip C / 0603, 0.1uF±10%, 50V, X7R, ROHS	C96
170	Chip C / 0603, 15P±5%, 50V, COG, ROHS	C30
171	Chip C / 0603, 1P±0.25P, 50V, COG, ROHS	C4, C5
172	Chip C / 0603, 5P±0.25P, 50V, COG, ROHS	C34
173	Chip C / 0603, 7P±0.5P, 50V, COG, ROHS	C10, C32
174	Chip C / 0603, 8P±0.5P, 50V, COG, ROHS	C75
175	Chip C / 0603, 0.5P±0.1P, 50V, COG, ROHS	C41, C111

176	Chip Ta capacitor / TP, SIZE P, 1uF±20%, 10V, ROHS	C290, C415
177	Chip Ta capacitor / TP, SIZE P, 10uF±20%, 6.3V, ROHS	C327
178	Chip Ta capacitor / TP, SIZE P, 2.2uF±20%, 10V, ROHS	C233, C237, C313
179	Chip Ta capacitor / TP, SIZE P, 4.7uF±20%, 10V, ROHS	C1, C8, C42, C131, C159, C216, C226, C246, C278, C286, C345, C346, C404
180	C / 0805, 0.33uF+80%--20%, 10V, Y5V, ROHS	C181
181	Chip Ta capacitor / TS, SIZE A, 0.1uF±20%, 35V, ROHS	C109, C113
182	Chip Ta capacitor / TS, SIZE A, 1uF±20%, 16V, ROHS	C117, C411
183	Chip Ta capacitor / TS, SIZE A, 15uF±20%, 6.3V, ROHS	C137, C149
184	Chip Ta capacitor / TS, SIZE A, 4.7uF±20%, 16V, ROHS	C380
185	Chip C / 1206, 10P±5%, 1000V, COG, ROHS	C44, C376
186	Chip C / 1206, 1000P±10%, 1000V, COG, ROHS	C29, C403
187	C / 1206, 10uF+80%--20%, 16V, Y5V, ROHS	C265
188	Chip C / 1206, 15P±5%, 1000V, COG, ROHS	C45
189	Chip C / 1206, 18P±5%, 1000V, COG, ROHS	C62
190	Chip C / 1206, 22P±5%, 1000V, COG, ROHS	C94
191	Chip C / 1206, 27P±5%, 1000V, COG, ROHS	C43
192	Chip C / 1206, 2P±5%, 1000V, COG, ROHS	C14
193	Chip C / 1206, 30P±5%, 1000V, COG, ROHS	C46
194	Chip C / 1206, 3P±5%, 1000V, COG, ROHS	C63
195	Chip C / 1206, 5P±5%, 1000V, COG, ROHS	C152
196	Chip C / 1206, 8P±5%, 1000V, COG, ROHS	C15
197	Plug-in electrolytic capacitor / Φ10*16, 470UF25V, ±20%,	C331
198	Chip electrolytic capacitor / Φ6.3*5.3, 47U25V, ±20%, ROHS	C66, C341, C379
199	Chip C / TZV2Z100A110, 3~10p+100, ROHS	C39, C122
200	Chip L / C1608CB-18NJ, 18nH±5%, 0603, ROHS	L20
201	Chip L / C1608CB-33NJ33NH±5%, 0603, ROHS	L13, L45
202	Chip L / C1608CB-47NJ, 47nH±5%, 0603, ROHS	L36, L46
203	Chip L / C1608CB-56NJ, 56nH±5%, 0603, ROHS	L53
204	Chip L / MLF1608A1R0K, 1uH±5%, 0603, ROHS	L48
205	Chip L / MLF1608DR15K, 150nH±10%, 0603, ROHS	L47
206	Chip L / LGHK1608R22J-T, 220nH±5%, 0603, ROHS	L21, L27, L44
207	Chip L / MLF1608A3R3K, 3.3uH±5%, 0603, ROHS	L5, L37
208	Chip L / MLF1608DR47K, 470nH±10%, 0603, ROHS	L41
209	Chip L / MLF1608DR56K, 560nH±10%, 0603, ROHS	L42
210	Chip L / MLG1608B68NJ, 68nH±5%, 0603, ROHS	L14, L15
211	Chip L / MLF1608E6R8K, 6.8uH±10%, 0603, ROHS	L2, L12, L34, L38
212	Chip L / MLG1608B82N, 82nH±5%, 0603, ROHS	L7
213	Chip L / C2012C-18NJ, 18nH±5%, 0805, ROHS	L35
214	Chip L / C2012C-27NJ, 27nH±5%, 0805, ROHS	L3
215	Chip L / C2012C-39NJ, 39nH±5%, 0805, ROHS	L29, L57
216	Chip L / C2012C-47NG, 47nH±2%, 0805, ROHS	L58
217	Chip L / C2012C-56NJ, 56nH±5%, 0805, ROHS	L55
218	Chip L / FSLM2520-100J, 10uH±5%, 1008, ROHS	L40
219	Chip L / FSLM2520-R47K, 470nH±10%, 1008, ROHS	L49
220	Chip L / FSLM2520-R82K, 820nH±10%, 1008, ROHS	L50
221	Chip air-cored coil / 0.9*3.0*11TR, ROHS	L19
222	Chip air-cored coil / 0.9*3.0*4.5TR, ROHS	L9, L10, L11, L79
223	Chip air-cored coil / 0.9*3.0*6TR, ROHS	L18, L28
224	EMI, FILTER, SMT, BLM21P300S, 0805, ROHS	L64, L72, L77
225	EMI, FILTER, SMT, BLM41P600SPT, 1206, ROHS	L25, L26
226	EMI, FILTER, SMT, BLM11A601S, 0603, ROHS	L1, L4, L22, L23, L24, L32, L33, L39, L51, L59, L60, L61, L65, L66, L67, L69, L70, L74, L75, L76, L78
227	Temperature Chip resistor / NTH5G16P42B104K07TH, 100K, 0603	R90, R138
228	Crystal / DSA535SA, 16.8MHz±2.5PPm, ROHS	X1
229	Crystal / 3.58MHz, SMT-49, 30PPM, ROHS	X2
230	Crystal / 9.8304MHZ-NX5032GA, ROHS	X3
231	FFC/FPC Connector/ 08 6210 034 340 800, 34PIN, P=0.5mm, ROHS	CN4
232	3.5mm Plug-in Speaker-Mic socket / MOTOROLA, PJ-D3027, DC30	J1
233	2PIN Speaker Socket / WCPW20-02, ROHS	CN2, CN3
234	PT8100 Key Board Material, ROHS	
235	PT8100PCB / 2 Layer, FR4, 1.2mm, PT8100KEY-091109, PCB, ROHS	
236	Chip Diode / 1812L110PR, ROHS	F1
237	Diode / Red Green Double Color LED, 3RG9HWA, Φ3, ROHS	D15
238	Chip Diode / MA8039, ROHS	D11, D12, D13
239	Chip Diode / 0603, Orange, 19-213/Y2C-ANQB/3T, ROHS	D1, D2, D3, D4, D5, D6
240	Transistor / DTC144EE (ROHM), ROHS	Q1, Q2, Q3
241	Chip R / 0402, 0R±5%, ROHS	R3, R13, R18, R31, R36
242	Chip R / 0402, 100R±5%, ROHS	R4
243	Chip R / 0402, 1K±5%, ROHS	R22, R23
244	Chip R / 0402, 220R±5%, ROHS	R11, R12, R24, R25, R26
245	Chip R / 0402, 330R±5%, ROHS	R1, R2
246	Chip R / 0402, 6.8K±5%, ROHS	R5, R7, R8, R27, R28, R29, R30, R32, R33, R34
247	617/618 Volume Switch / R09542NO-FB12.5A07-A103-015, ROHS	VR1
248	C / 0402, 100P±5%, 50V, COG, ROHS	C3, C5, C6, C8, C10, C12, C13, C14, C15, C16, C17, C21, C23, C24, C27, C28, C29, C30, C31, C32, C33

249	C / 0402, 470P±10%, 50V, X7R, ROHS	C18, C19, C26, C36
250	EMI, FILTER, SMT, BLM11A601S, 0603, ROHS	L4
251	Connector/ BL112-10RL, 10PIN, ROHS	CN3
252	FFC/FPC Connector / 08 6210 034 340 800, 34PIN, P=0.5mm, ROHS	CN2
253	RJ45, 8Pin, ROHS	CN1