

## PT4200-01 PARTS LIST

NO.	Description	Ref.No
1	PCB, PT558N-060228	
2	IC, PST9140NR	IC11
3	KIA6278F, AUDIO, AMP	IC8
4	IC, AT24C08N-10SI2.7	IC9
5	PLL IC, MB15E03SL, PLL, 16-PIN, SSOF	IC1
6	IC, HT7130-1, SOT-89	IC14
7	IC, HT7150-1	IC12
8	NJM2902V, OP-AMP	IC4, IC6, IC7
9	NJM2904V, OP-AMP	IC3
10	MCU, M38034M4H-284HP	IC10
11	IC, MC3361BP	IC5
12	DIODE, MA77, 0805	D1
13	DIODE, 0805, MA360 (PANASONIC)	D12
14	DIODE, 1SS372 (TOSHIBA)	D13
15	DIODE, 0603, MA2S111 (PANASONIC)	D15, D16, D25
16	DIODE, DAN222, (ROHM)	D308
17	DIODE, HSC277 (HITACHI)	D3, D4, D6, D7
18	DIODE, 0603, HVC350B (HITACHI)	D21, D22, D23, D24, D26, D30
19	DIODE, HVC376B	D8, D9, D10, D11
20	DIODE, HZU5ALL (HITACHI)	D14
21	DIODE, IN4148	D17, D18
22	DIODE, 0603, 绿色, H19-21SYGC	D20, D29
23	DIODE, 0603, 红色, 19-21SURC/S530-A2/TR8	D28
24	DIGITAL TRANSISTOR, DTA144EE (ROHM)	Q17, Q34
25	DIGITAL TRANSISTOR, DTC144EE (ROHM)	Q22, Q23, Q26, Q27, Q33, Q37
26	DIGITAL TRANSISTOR, KRX102U, with, bias, resistor,	IC2
27	DIGITAL TRANSISTOR, FMMT717TA	Q8, Q30
28	DIGITAL TRANSISTOR, 2SC1623	Q10
29	DIGITAL TRANSISTOR, 2SC335E	Q3
30	DIGITAL TRANSISTOR, 2SC4617 (S) (ROHM)	Q6, Q9
31	DIGITAL TRANSISTOR, 2SC4738 (GR), AF, AMPLIFIER (TOSHIBA)	Q7
32	DIGITAL TRANSISTOR, 2SC4919, MUTING, CIRCUIT (SANYO)	Q24
33	DIGITAL TRANSISTOR, 2SC5108Y (TOSHIBA)	Q2, Q4, Q5
34	DIGITAL TRANSISTOR, KTA1298 (Y)	Q29, Q31, Q32
35	DIGITAL TRANSISTOR, KTC4082, (KEC)	Q21
36	DIGITAL TRANSISTOR, 2SJ24E	Q16
37	DIGITAL TRANSISTOR, 2SK508NV (K52)	Q14, Q15
38	DIGITAL TRANSISTOR, 3SK31E	Q19, Q20
39	DIGITAL TRANSISTOR, RD01MUS2	Q12
40	DIGITAL TRANSISTOR, RD07MVS1	Q11
41	DIGITAL TRANSISTOR, 2SK1588 (NEC)	Q38
42	DIGITAL TRANSISTOR, 2SK1824	Q13, Q25, Q35, Q36
43	SWITCH, SKHLLBA010	K1
44	SWITCH, 4.5*4.5*4.8	K2, K4
45	SWITCH, SKRTLBE010	K3
46	SWITCH, RD835E-GA1-16C-0F01	SW2
47	JTBM455C24	L57
48	LTM450HT, 450kHz $\pm$ 3kHz	CF1
49	49.95MHz $\pm$ 7.5kHz, U-5*2	XF1, XF2
50	CHIP R, 0402, 0R $\pm$ 5%	C67, C166, C247, C276, C277, R4, R24, R30, R99, R154, R174, R217, R255, R260, R261
51	CHIP R, 0402, 10R $\pm$ 5%	R98, R127, R200, R238

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NO.	Description	Ref.No
52	CHIP R, 0402, 100R ± 5%	R12, R94, R128, R237
53	CHIP R, 0402, 1K ± 5%	R29, R39, R41, R42, R48, R49, R50, R111, R129, R130, R131, R157, R184, R195, R199, R273
54	CHIP R, 0402, 10K ± 5%	R109, R120, R121, R122, R123, R126, R133, R140, R194, R205, R206, R212, R228, R254, R264, R266, R268, R295
55	CHIP R, 0402, 100K ± 5%	R105, R108, R113, R114, R115, R116
56	CHIP R, 0402, 1M ± 5%	R160, R162
57	CHIP R, 0402, 1.2K ± 5%	R188
58	CHIP R, 0402, 12K ± 5%	R208
59	CHIP R, 0402, 120K ± 5%	R6, R7, R8, R9
60	CHIP R, 0402, 15K ± 5%	C187, C188, C189, C265, R64, R76, R142, R192
61	CHIP R, 0402, 150K ± 5%	R201
62	CHIP R, 0402, 1.8K ± 5%	R224
63	CHIP R, 0402, 18K ± 5%	R218, R219
64	CHIP R, 0402, 180K ± 5%	R67
65	CHIP R, 0402, 20K ± 5%	R27, R207, R225, R226, R227, R240, R263, R265, R267, R269
66	CHIP R, 0402, 220R ± 5%	R214, R215, R216
67	CHIP R, 0402, 2.2K ± 5%	R294
68	CHIP R, 0402, 22K ± 5%	R209, R210, R211
69	CHIP R, 0402, 220K ± 5%	R86, R87, R164
70	CHIP R, 0402, 2.7K ± 5%	R223
71	CHIP R, 0402, 27K ± 5%	R46, R171, R172, R257
72	CHIP R, 0402, 270K ± 5%	R231
73	CHIP R, 0402, 3.3K ± 5%	R59, R60
74	CHIP R, 0402, 33K ± 5%	R196, R258, R290
75	CHIP R, 0402, 330K ± 5%	R82
76	CHIP R, 0402, 3.9K ± 5%	R221, R222
77	CHIP R, 0402, 39K ± 5%	R53, R149, R153
78	CHIP R, 0402, 390K ± 5%	R165
79	CHIP R, 0402, 470R ± 5%	R3
80	CHIP R, 0402, 4.7K ± 5%	R118, R125, R155, R156, R204, R248
81	CHIP R, 0402, 47K ± 5%	R17, R18, R19, R20, R21, R22, R292
82	CHIP R, 0402, 470K ± 5%	R166, R232, R293
83	CHIP R, 0402, 5.6K ± 5%	R63, R65, R132
84	CHIP R, 0402, 56K ± 5%	R173, R175, R176, R177, R178, R291
85	CHIP R, 0402, 560K ± 5%	R163
86	CHIP R, 0402, 6.8K ± 5%	R220
87	CHIP R, 0402, 68K ± 5%	R78, R245
88	CHIP R, 0402, 820R ± 5%	R33
89	CHIP R, 0402, 8.2K ± 5%	R229, R230
90	CHIP R, 0402, 82K ± 5%	R52
91	CHIP R, 0402, 91K ± 5%	R77, R213
92	CHIP R, 0603, 0R ± 5%	C1, C86, C266, C273, L16, L34, L42, L62, R23, R28, R81, R141, R182, R241, R262
93	CHIP R, 0603, 10R ± 5%	R95, R96, R97, R101
94	CHIP R, 0603, 100R ± 5%	R74, R88, R89, R90, R180
95	CHIP R, 0603, 1K ± 5%	R37, R38, R47, R150, R234, R256
96	CHIP R, 0603, 10K ± 5%	R92, R117, R119, R124, R136, R137, R138, R139, R203
97	CHIP R, 0603, 100K ± 5%	R43, R79, R80, R84, R102, R103, R104, R107, R158, R197, R235, R243, R247, R249, R297
98	CHIP R, 0603, 1.2K ± 5%	R69
99	CHIP R, 0603, 120K ± 5%	R5, R66
100	CHIP R, 0603, 15R ± 5%	R31

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NO.	Description	Ref.No
101	CHIP R, 0603, 150R $\pm$ 5%	R179
102	CHIP R, 0603, 1.5K $\pm$ 5%	R54
103	CHIP R, 0603, 15K $\pm$ 5%	R75
104	CHIP R, 0603, 150K $\pm$ 1%	R143, R144, R145, R146, R147, R17C
105	CHIP R, 0603, 180R $\pm$ 5%	R70, R71, R91, R189
106	CHIP R, 0603, 22R $\pm$ 5%	L54, R93
107	CHIP R, 0603, 2.2K $\pm$ 5%	R2, R185, R186, R187
108	CHIP R, 0603, 220K $\pm$ 5%	R233
109	CHIP R, 0603, 270R $\pm$ 5%	R34, R35
110	CHIP R, 0603, 2.7K $\pm$ 5%	R40
111	CHIP R, 0603, 270K $\pm$ 5%	R85
112	CHIP R, 0603, 33R $\pm$ 5%	R72
113	CHIP R, 0603, 3.3K $\pm$ 5%	R55, R56, R57, R58
114	CHIP R, 0603, 39K $\pm$ 5%	R68, R193
115	CHIP R, 0603, 47R $\pm$ 5%	R15, R32
116	CHIP R, 0603, 470R $\pm$ 5%	R25
117	CHIP R, 0603, 4.7K $\pm$ 5%	R151, R152, R159, R183
118	CHIP R, 0603, 47K $\pm$ 5%	R10, R11, R13, R14
119	CHIP R, 0603, 560R $\pm$ 5%	R202, R244
120	CHIP R, 0603, 5.6K $\pm$ 5%	R44, R61, R62, R191
121	CHIP R, 0603, 56K $\pm$ 5%	R16, R239
122	CHIP R, 0603, 560K $\pm$ 5%	R148
123	CHIP R, 0603, 68R $\pm$ 5%	R73
124	CHIP R, 0603, 68K $\pm$ 5%	R190
125	CHIP R, 0603, 8.2K $\pm$ 5%	R36
126	CHIP R, 0603, 82K $\pm$ 5%	R51
127	CHIP R, 0805, 0R $\pm$ 5%	L63
128	CHIP R, 1206, 0.47R $\pm$ 5%	R167, R168, R169
129	CHIP R, MVR22HXBRN473, 47K $\pm$ 25%, B Linear	VR2
130	CHIP R, MVR22HXBRN683, 68K $\pm$ 25%, B Linear	VR1
131	SWITCH, RD810S-JA1-A103-0C61	SW1
132	CHIP C, 0402, 10P $\pm$ 0.5P, 50V, COC	C257
133	CHIP C, 0402, 100P $\pm$ 5%, 50V, COC	C171, C196
134	CHIP C, 0402, 1000P $\pm$ 10%, 50V, X7F	C75, C105, C106, C110, C111, C263, C278, C31C
135	CHIP C, 0402, 0.01 $\mu$ F $\pm$ 10%, 50V, X7F	C50, C149, C155, C159, C160, C161, C162, C27E
136	CHIP C, 0402, 0.1 $\mu$ F, +80%--20%, 16V, Y5V	C85, C101, C167, C168, C173, C176, C177, C178, C271, C286
137	CHIP C, 0402, 0.1 $\mu$ F $\pm$ 10%, 16V, X7F	C307
138	CHIP C, 0402, 1 $\mu$ F $\pm$ 10%, 50V, X7F	C170, C235, C252, C303
139	CHIP C, 0402, 1500P $\pm$ 10%, 50V, X7F	C289
140	CHIP C, 0402, 0.018 $\mu$ F $\pm$ 10%, 50V, X7F	C156
141	CHIP C, 0402, 2200P $\pm$ 10%, 50V, X7F	C215
142	CHIP C, 0402, 0.022 $\mu$ F $\pm$ 10%, 50V, X7F	C242, C243, C245
143	CHIP C, 0402, 0.027 $\mu$ F $\pm$ 10%, 50V, X7F	C179, C185
144	CHIP C, 0402, 3300P $\pm$ 10%, 50V, X7F	C113
145	CHIP C, 0402, 0.033 $\mu$ F $\pm$ 10%, 16V, X7F	C224, C244
146	CHIP C, 0402, 3900P $\pm$ 10%, 50V, X7F	C82, C222, C238, C284
147	CHIP C, 0402, 0.039 $\mu$ F $\pm$ 10%, 50V, X7F	C223
148	CHIP C, 0402, 470P $\pm$ 10%, 50V, X7R	C4, C9, C22, C29, C48, C51, C52, C53, C54, C57, C58, C59, C60, C61, C71, C83, C84, C125, C152, C163, C248, C258, C269, C270, C274, C275, C290, C291, C305, C308, R161, R270, R271
149	CHIP C, 0402, 4700P $\pm$ 10%, 25V, COC	C285
150	CHIP C, 0402, 0.047 $\mu$ F $\pm$ 10%, 16V, X7F	C212, C213, C253, C283
151	CHIP C, 0402, 0.47 $\mu$ F $\pm$ 10%, 16V, X7F	C169, C302
152	CHIP C, 0402, 56P $\pm$ 5%, 50V, COC	C184

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NO.	Description	Ref.No
153	CHIP C, 0402, 5600P±10%, 16V, X7F	C251
154	CHIP C, 0402, 680P±10%, 16V, X7F	C260
155	CHIP C, 0402, 0.068uF±10%, 16V, X7F	C259
156	CHIP C, 0402, 8200P±10%, 16V, X7F	C157, C158, C239, C249
157	CHIP C, 0603, 10P±0.5P, 50V, COC	C124, C135, C142, C195
158	CHIP C, 0603, 100P±5%, 50V, COC	C93
159	CHIP C, 0603, 1000P±10%, 50V, X7R	C95, C96, C97, C98, C99, C100, C103, C104, C107, C108, C109, C112, C114, C150, C151, C172, C264, C272
160	CHIP C, 0603, 0.01uF±10%, 50V, X7F	C79, C153, C190, C280
161	CHIP C, 0603, 0.1uF±10%, 50V, X7F	C74, C165, C174, C175, C193, C204, C231, C232
162	CHIP C, 0603, 1uF±10%, 50V, X7F	C25, C30, C207, C233
163	CHIP C, 0603, 12P±5%, 50V, COG	C92, C133
164	CHIP C, 0603, 15P±5%, 50V, COG	C72, C73, C91
165	CHIP C, 0603, 1500P±10%, 50V, X7F	C33, C35
166	CHIP C, 0603, 18P±5%, 50V, COG	C69, C94
167	CHIP C, 0603, 1800P±10%, 50V, X7F	C226
168	CHIP C, 0603, 1P±0.25P, 50V, COC	C148, C229, C236
169	CHIP C, 0603, 1.5P±0.25P, 50V, COC	C62
170	CHIP C, 0603, 20P±5%, 50V, COG	C134
171	CHIP C, 0603, 22P±5%, 50V, COG	C143, C255, C256
172	CHIP C, 0603, 220P±5%, 50V, COG	C309
173	CHIP C, 0603, 2P±0.25P, 50V, COC	C2, C3, C88, C121, C182
174	CHIP C, 0603, 30P±5%, 50V, COG	C144, C194
175	CHIP C, 0603, 33P±5%, 50V, COG	C227
176	CHIP C, 0603, 0.033uF±10%, 16V, X7F	C221
177	CHIP C, 0603, 39P±5%, 50V, COG	C139
178	CHIP C, 0603, 3P±0.25P, 50V, COC	C70, C78, C87, C90, C131, C23C
179	CHIP C, 0603, 3.5P/3.6P±0.25P, 50V, COC	C63
180	CHIP C, 0603, 470P±10%, 50V, X7R	C5, C6, C7, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C24, C26, C27, C28, C31, C34, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C49, C55, C56, C102, C154, C183, C186, C220, C261, C268, C287
181	CHIP C, 0603, 4700P±10%, 50V, X7F	C214
182	CHIP C, 0603, 0.047uF±10%, 16V, X7F	C211
183	CHIP C, 0603, 0.47uF+80%--20%, 16V, Y5V	C8, C80, C192
184	CHIP C, 0603, 4P±0.25P, 50V, COC	C129, C228
185	CHIP C, 0603, 5P±0.25P, 50V, COC	C116, C117, C118, C119, C122, C14E
186	CHIP C, 0603, 6P±0.5P, 50V, COC	C127, C128, C137, C206
187	CHIP C, 0603, 7P±0.5P, 50V, COG,	C32, C47, C126
188	CHIP C, 0603, 8P±0.5P, 50V, COC	C120, C136, C138, C141
189	CHIP C, 0603, 0.5P±0.1P, 50V, COC	C115, C147, C216, C217, C218, C21E
190	CHIP-TAN, SIZE P, 2.2uF±20%, 10V	C140, C209, C246
191	CHIP-TAN, SIZE P, 4.7uF±20%, 10V	C46, C201, C202, C240, C292
192	CHIP C, 0805, 1uF+80%--20%, 16V, Y5V	C267, C306
193	CHIP C, 0805, 2.2uF+80%--20%, 10V, Y5V	C234
194	CHIP-TAN, SIZE A, 1uF±20%, 16V	C199, C200, C225
195	CHIP-TAN, SIZE A, 10uF±20%, 10V	C197, C203, C210, C237
196	CHIP-TAN, SIZE A, 15uF±20%, 6.3V	C191, C198, C208
197	CHIP-TAN, SIZE C, 100uF±20%, 10V	C254
198	CHIP C, TZV2Z100A110, 3~10p+100/-%, Np0±300ppm/°C	C180, C181
199	SMALL FIXED INDUCTOR, C1608CB-22NJ, 22NH±5%, 0603	L51

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200	SMALL FIXED INDUCTOR, C1608CB-27NJ, 27nH±5%, 0603	L30
201	SMALL FIXED INDUCTOR, C1608CB-56NJ, 56nH±5%, 0603	L13
202	SMALL FIXED INDUCTOR, C1608CB-68NJ, 68nH±5%, 0603	L53
203	SMALL FIXED INDUCTOR, MLG1608BR10J, 100nH±5%, 0603	L27, L36, L50, L52
204	SMALL FIXED INDUCTOR, MLF1608A1R0K, 1uH±5%, 0603	L21
205	SMALL FIXED INDUCTOR, MLG1608B12NJT, 12nH±5%, 0603	L31
206	SMALL FIXED INDUCTOR, LGHK1608R22J-T, 220nH±5%, 0603	L18, L49
207	SMALL FIXED INDUCTOR, MLG1608B27NJ, 27nH±5%, 0603	L12, L32, L33
208	SMALL FIXED INDUCTOR, MLF1608A3R3K, 3.3uH±5%, 0603	L28, L29
209	SMALL FIXED INDUCTOR, MLG1608B47NJ, 47nH±5%, 0603	L35
210	SMALL FIXED INDUCTOR, MLG1608B6N8DT, 6.8nH±0.5nH, 0603	L23
211	SMALL FIXED INDUCTOR, FSLM2520-100J, 10uH±5%, 1008	L45
212	SMALL FIXED INDUCTOR, FSLM2520-R82K, 820nH±10%, 1008	L55, L56
213	SMALL FIXED INDUCTOR, LQN21AR22J, 220nH±5%, 1206	L26
214	AIR-CORE COIL, 0.4*1.5*3TL	L1, L2, L3, L4, L5, L6, L7, L8, L9, L10
215	AIR-CORE COIL, 0.4*1.5*4TL	L14, L15
216	AIR-CORE COIL, 0.5*1.5*5T	L24
217	AIR-CORE COIL, 0.4*1.5*8TL	L25
218	EMI, FILTER, SMT, BLM11A221S, 0603	L19, L20, L40, L41, L44, L46, L47, L48, L60, L61, L66
219	EMI, FILTER, SMT, BLM21P300S, 0805	L37, L38, L39, L43, L58
220	MIC, B6027AP402-65	MIC1
221	13MHz±2.5PPM	X4
222	CSTCR7M30G53-R0, 7.3M	X2
223	49.5MHz±10PPM, UM-1	X3
224	SP/MIC, ST-212	J2
225	SP/MIC, EJ-2507-CCPA	J1
226	IC, W588A080	IC15