

Main board PN	1301628U10020			
Description	TM-628HU(1) main board (400-470MHz) (RoHS)			
P/N	description	number	code	position
3001050000000	Chip resistor RTT02/RC0402 0Ω J 1/16W -55~+155°C 0402 RALEC/YAGEO (RoHS)	55	C404	B7F
			R106	T4C
			R110	T4C
			R122	B4A
			R178	B5F
			R448	B8J
			R451	B8J
			R455	B7J
			R457	T7D
			R485	B7J
			R501	T8F
			R510	T7F
			R513	T8F
			R518	T6H
			R520	T6I
			R521	T6I
			R522	T6I
			R564	T7M
			R577	T7I
			R578	T7I
			R580	T7I
			R581	T7I
			R582	T7I
			R584	T7I
			R586	T7I
			R587	T8I
			R590	T8L

R591	T8L
R598	T6J
R599	T6J
R600	T8L
R605	B2L
R608	T8L
R616	T7I
R618	T7I
R620	T8M
R623	T8M
R625	B7J
R627	T8F
R629	T8K
R640	B8J
R641	B9J
R644	B9I
R645	T8J
R646	T9H
R655	T7I
R908	B7I
R909	B7I
R910	B7I
R912	B7I
R913	B8I
R919	T7H
R921	T7H
R922	T7H
R923	T7H
R174	B4E
R197	T5A

3001051010000	Chip resistor RTT02/RC0402 100 Ω J 1/16W -55~+155°C 0402 RALEC/YAGE	3
	(RoHS)	

3001051020010	Chip resistor RTT02/RC0402 1K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE0 (RoHS)	24	R649	B8I
			R145	T6B
			R200	T5B
			R419	B8F
			R439	B7J
			R453	B7J
			R476	T8E
			R503	T8G
			R504	T8F
			R505	T7F
			R506	T7F
			R609	T6G
			R610	T6F
			R611	T6G
			R612	T7F
			R613	T8L
			R632	T7F
			R802	B5I
			R823	B4J
			R824	B4I
			R825	B5I
			R826	B6I
			R906	T6F
			R933	T8H
R934	T8H			
3001051030000	Chip resistor RTT02/RC0402 10K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	20	R112	T5C
			R170	B6I
			R176	B5F
			R198	T4B
			R402	B7G

3001051040010 Chip resistor RTT02/RC0402 100K Ω J 1/16W -55~+155°C 0402 RALEC/YAG 26
(RoHS)

R403	B7F
R423	B7F
R424	B7F
R449	B8J
R450	B8J
R464	T6D
R470	T8D
R472	T8E
R477	T8E
R509	T7F
R515	T8F
R804	B5J
R902	B9D
R904	B9D
VR101	T5B
R104	T4B
R107	T4C
R115	T4C
R116	T4C
R118	B5B
R119	B4C
R120	B4C
R125	B5B
R130	B5B
R131	B5B
R132	B5B
R133	B6D
R134	B6D
R135	B6D
R148	B5D

						R149	T6A
						R180	T2H
						R427	B7E
						R467	T8D
						R468	T8D
						R514	T6F
						R565	T7M
						R566	T7M
						R631	T7I
						R801	B6I
						R806	B5J
3001051050020	Chip resistor RTT02/RC0402 1M Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE0 (RoHS)			2		R473	T8E
						R901	B8D
3001051230000	Chip resistor RTT02/RC0402 12K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)			4		R152	T6B
						R416	B8G
						R418	B8F
						R471	T8D
3001051530000	Chip resistor RTT02/RC0402 15K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)			7		R111	T5C
						R404	B7F
						R408	B7G
						R428	B7E
						R440	B7J
						R465	T6D
						R830	B6J
3001051540020	Chip resistor RTT02/RC0402 150K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)			3		R136	B6D
						R475	T8E
						R478	T8E
3001051830000	Chip resistor RTT02/RC0402 18K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)			4		R414	B7G
						R432	B8F
						R434	B8D

3001051840000	Chip resistor RTT02/RC0402 180K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	4	R435	B8D
			R459	T7D
			R460	T7D
			R461	T6E
3001052200000	Chip resistor RTT02/RC0402 22 Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE0 (RoHS)	3	R807	B5J
			R127	B6C
			R803	B6J
3001052210000	Chip resistor RTT02/RC0402 220 Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	3	R808	B4J
			R117	T4D
			R172	B6I
3001052220000	Chip resistor RTT02/RC0402 2.2K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	1	R204	B4B
			R604	B2L
3001052230010	Chip resistor RTT02/RC0402 22K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	14	R101	T4B
			R102	T4B
			R158	T7C
			R159	T7B
			R161	T7B
			R162	T7C
			R409	B7G
			R441	B7J
			R442	B7J
			R445	B8K
			R452	B8K
			R458	T7D
			R466	T8D
			R829	B6K
3001052240000	Chip resistor RTT02/RC0402 220K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	3	R105	T4B
			R828	B6K
			R832	B6K

3001052720000	Chip resistor RTT02/RC0402 2.7K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	4	R129	B4B
			R138	B6D
			R407	B8F
			R935	T7H
3001053330010	Chip resistor RTT02/RC0402 33K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	5	R175	B4F
			R433	B7D
			R436	B7D
			R516	T6G
3001053340000	Chip resistor RTT02/RC0402 330K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	3	R563	T7L
			R108	T4C
			R422	B8F
			R446	T8K
3001053930000	Chip resistor RTT02/RC0402 39K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	1	R410	B7G
3001053940000	Chip resistor RTT02/RC0402 390K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	2	R431	B8E
			R463	T6D
3001054720000	Chip resistor RTT02/RC0402 4.7K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	15	R160	T6B
			R163	T7B
			R171	B6I
			R401	B7G
			R447	B8K
			R469	T8E
			R502	T8G
			R507	T7F
			R508	T7F
			R511	T8G
			R543	B6L
R571	B6L			
R573	B8L			
R602	B4L			

3001054730000	Chip resistor RTT02/RC0402 47K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	23	R822	B6F
			R103	T4B
			R144	T5B
			R179	B5E
			R199	T4A
			R202	T4B
			R405	B7G
			R438	T7D
			R454	B7J
			R489	B7H
			R492	B8H
			R517	T6G
			R519	T6G
			R523	T6H
			R524	T6H
			R544	B6L
			R545	B9L
			R550	B7K
			R562	T7L
			R567	T7M
			R572	B6L
			R601	B4L
			R603	B3L
R905	T6F			
3001055130010	Chip resistor RTT02/RC0402 51K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	1	R420	B7F
3001055630000	Chip resistor RTT02/RC0402 56K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	3	R413	B7G
			R429	B8E
			R430	B8E
3001056820000	Chip resistor RTT02/RC0402 6.8K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAG	1	R417	B8F

3001056830000	(RoHS) Chip resistor RTT02/RC0402 68K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	4	R411 R444 R456 R482	B7G B8J B7E B7D
3001058220000	Chip resistor RTT02/RC0402 8.2K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	1	R474	T8E
3001058230000	Chip resistor RTT02/RC0402 82K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	2	R462 R653	T6D T6J
3001059130000	Chip resistor RTT02/RC0402 91K Ω F 1/16W -55~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	1	R443	B8K
3001060000000	Chip resistor RTT03/RC0603 0 Ω J 1/10W -55~+155 $^{\circ}$ C 0603 RALEC/YAGE0 (RoHS)	14	D120 D502 R140 R425 R481 R553 R569 R570 R575 R706 R809 R812 R815 R821	B4C T6F B5D T8J B7D T6M T7L T6L B9L B4G B4I B4J B4J B4I
3001061000000	Chip resistor RTT03/RC0603 10 Ω J 1/10W -55~+155 $^{\circ}$ C 0603 RALEC/YAGE0 (RoHS)	5	R157 R546 R547 R548 R549	T6A B6M B6M B8M B8M

3001061020010	Chip resistor RTT03/RC0603 1K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAGE0 (RoHS)	6	R109 R557 R560 R568 R816 R817	T1H T7L T7L T6L B4I B4I
3001061030010	Chip resistor RTT03/RC0603 10K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAGE (RoHS)	7	R186 R426 R554 R558 R709 R810 R814	T2I B7E T6L T7L B4F B4J B4J
3001061040010	Chip resistor RTT03/RC0603 100K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAG (RoHS)	4	R559 R716 R718 R820	T7L B6F B6G B5I
3001061220000	Chip resistor RTT03/RC0603 1.2K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAG (RoHS)	2	L802 R188	B6J T2I
3001051220000	Chip resistor RTT02/RC0402 1.2K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	1	R818	B4I
3001061520000	Chip resistor RTT03/RC0603 1.5K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAG (RoHS)	1	R819	B4I
3001061800000	Chip resistor RTT03/RC0603 18 Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAGE0 (RoHS)	1	R187	T3H
3001051810010	Chip resistor RTT02/RC0402 180 Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	2	R141 R143	T6D B5C
3001062200000	Chip resistor RTT03/RC0603 22 Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAGE0 (RoHS)	1	R189	T2I
3001062220000	Chip resistor RTT03/RC0603 2.2K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAG	1	R185	T2H

	(RoHS)											
3001062230000	Chip resistor	RTT03/RC0603	22K Ω	J 1/10W	-55 \sim +155 $^{\circ}$ C	0603	RALEC/YAGE	2	R811	B4J		
	(RoHS)								R813	B4J		
3001062720000	Chip resistor	RTT03/RC0603	2.7K Ω	J 1/10W	-55 \sim +155 $^{\circ}$ C	0603	RALEC/YAG	1	R190	T3J		
	(RoHS)											
3001063330010	Chip resistor	RTT03/RC0603	33K Ω	J 1/10W	-55 \sim +155 $^{\circ}$ C	0603	RALEC/YAGE	1	R555	T6M		
	(RoHS)											
3001062210000	Chip resistor	RTT03/RC0603	220 Ω	J 1/10W	-55 \sim +155 $^{\circ}$ C	0603	RALEC/YAGE	2	R705	B4G		
	(RoHS)								R715	B4F		
3001064710000	Chip resistor	RTT03/RC0603	470 Ω	J 1/10W	-55 \sim +155 $^{\circ}$ C	0603	RALEC/YAGE	2	R192	T2J		
	(RoHS)								R556	T6L		
3001064730000	Chip resistor	RTT03/RC0603	47K Ω	J 1/10W	-55 \sim +155 $^{\circ}$ C	0603	RALEC/YAGE	2	R551	T4L		
	(RoHS)								R561	T6L		
3001071800000	Chip resistor	RTT05/RC0805	18 Ω	J 1/8W	-55 \sim +155 $^{\circ}$ C	0805	RALEC/YAGE0	1	R191	T3J		
	(RoHS)											
3001075690000	Chip resistor	RTT05/RC0805	5.6 Ω	J 1/8W	-55 \sim +155 $^{\circ}$ C	0805	RALEC/YAGE0	1	R195	T1J		
	(RoHS)											
3001078210000	Chip resistor	RTT05/RC0805	820 Ω	J 1/8W	-55 \sim +155 $^{\circ}$ C	0805	RALEC/YAGE0	2	R194	T2J		
	(RoHS)								R196	T1J		
3001161210000	Chip resistor	RTT20/RC2010	120 Ω	J 1/2W	-55 \sim +155 $^{\circ}$ C	2010	RALEC/YAGE0	1	R201	T3F		
	(RoHS)											
3001162200000	Chip resistor	RTT20/RC2010	22 Ω	J 1/2W	-55 \sim +155 $^{\circ}$ C	2010	RALEC/YAGE0	1	R193	T2I		
	(RoHS)											
3001164720000	Chip resistor	RTT20/RC2010	4.7K Ω	J 1/2W	-55 \sim +155 $^{\circ}$ C	2010	RALEC/YAGE	1	R552	T5M		
	(RoHS)											
3005051020000	Integrated resistor	RTA02/YC122	1K	J 1/16W	-55 \sim +125 $^{\circ}$ C	2*0402	RALEC/	17	CP501	T8H		
	(RoHS)								CP502	T8G		
									CP503	T8F		
									CP504	T8F		
									CP505	T8G		

			CP506	T7F
			CP508	T7F
			CP509	T6F
			CP510	T6F
			CP513	T6G
			CP514	T6H
			CP515	T7H
			CP516	T7H
			CP517	T7H
			CP518	T7H
			CP519	T7H
			CP521	T8G
3101051000020	Chip capacitor GRM1555C1H100JZ01D 10PF J 50V COG 0402 MURATA (RoHS)	6	C173	T6B
			C189	B6I
			C194	B6E
			C197	B6E
			C826	B6J
			C827	B6J
3101051020010	Chip capacitor GRM36X7R102K50PT 1000PF K 50V X7R 0402 MURATA (RoHS)	26	C155	T7A
			C180	T6C
			C201	B5F
			C203	B4E
			C225	T4C
			C238	T4D
			C441	B7K
			C445	B7E
			C458	T9D
			C462	T8D
			C605	B4L
			C805	B5J

			C806	B5J
			C807	B6J
			C809	B5J
			C810	B5J
			C830	B4I
			C917	T7I
			C919	B7H
			C921	B7I
			C922	T7H
			C923	B7I
			C924	B7I
			C925	T8H
			C926	B7H
			C929	B7H
3101051030020	Chip capacitor GRM155R71E103KA01D 0.01UF K 25V X7R 0402 MURATA (RoHS)	13	C163	T6B
			C239	T4C
			C240	T4D
			C243	T6B
			C401	B7G
			C456	T6D
			C461	T8E
			C465	T8E
			C506	T6H
			C554	B9J
			C603	B6M
			C903	B8E
			C905	B8D
3101051040010	Chip capacitor GRM36Y5V104Z25PT 0.1UF Z 25V Y5V 0402 MURATA (RoHS)	34	C145	B6D
			C154	B5D
			C165	T6B

C167	T6B
C168	T7B
C169	T7C
C174	T6B
C175	T5A
C176	T5B
C179	T6C
C202	B4E
C403	B7F
C405	B8F
C406	B7G
C407	B7F
C430	B8E
C431	T8D
C437	T8J
C440	B7K
C453	T7D
C463	T8E
C466	B8E
C504	T6F
C505	T6H
C507	T7H
C511	B6L
C525	T7M
C537	B8L
C602	B5L
C609	T8K
C801	B6I
C803	B6J
C829	B4I

3101051050000	Chip capacitor GRM155R60J105K6. 3PT 1UF K 6. 3V X5R 0402 MURATA(RoHS)	10	C911	B8D
			C438	B8J
			C444	B7J
			C449	B7D
			C450	B7D
			C467	B7D
			C468	B7J
			C470	B7H
			C569	T7I
			C927	T7H
			C928	T7I
3101051230000	Chip capacitor C1005X7R1E123K 0.012UF K 25V X7R 0402 TDK(RoHS)	1	C454	T7D
3101051500020	Chip capacitor GRM36COG150J50PT 15PF J 50V COG 0402 MURATA(RoHS)	2	C244	B4B
			C501	T7E
3101051510000	Chip capacitor GRM36COG151J50 150PF J 50V COG 0402 MURATA(RoHS)	1	C425	B8E
3101051830000	Chip capacitor C1005X7R1C183KT 0.018UF K 16V X7R 0402 TDK (RoHS)	2	C409	B7G
			C823	B6K
3101052200010	Chip capacitor GRM36COG220J50PT 22PF J 50V COG 0402 MURATA(RoHS)	3	C157	T6A
			C427	B8E
			C428	B8E
3101052210010	Chip capacitor GRM155R71H221KA01D 220PF K 50V X7R 0402 MURATA(RoHS)	1	C129	B4A
3101052220010	Chip capacitor GRM155R71H222KA01D 2200pF K 50V X7R 0402 MURATA(RoHS)	1	C455	T7D
3101052700000	Chip capacitor GRM1555C1H270J 27PF J 50V COG 0402 MURATA(RoHS)	5	C124	B4B
			C246	B6B
			C249	B6C
			C502	T7F
			C503	T7F
3101052720000	Chip capacitor GRM155R71H272KA01D 2700PF K 50V X7R 0402 MURATA (RoH)	1	C460	T8D
3101052730000	Chip capacitor GRM155R71C273KA01D 0.027UF K 16V X7R 0402 MURATA (Ro)	1	C426	B8E
3101053300000	Chip capacitor GRM1555C1H330JZ01D 33PF J 50V COG 0402 MURATA(RoHS)	5	C128	B4A

				C153	T5B
				C415	B7F
				C423	B7E
				C908	B8D
3101053310030	Chip capacitor GRM1555C1H331JA01D 330PF COG J 50V COG 0402 MURATA(R)	2		C439	B7J
				C471	B8H
3101054700010	Chip capacitor GRM36COG470J50PT 47PF J 50V COG 0402 MURATA(RoHS)	4		C248	B4B
				C433	B8J
				C435	B8K
				C447	B7D
3101054710010	Chip capacitor GRM155R71H471KA01D 470PF K 50V X7R 0402 MURATA (RoHS)	35		C115	T5B
				C122	B6A
				C132	B5A
				C140	T4C
				C141	B6B
				C144	B6D
				C147	B5C
				C166	B6C
				C172	T6B
				C183	B5F
				C184	B6I
				C191	B5I
				C192	B6D
				C200	B4F
				C209	T2I
				C211	T2I
				C214	T2I
				C432	B8J
				C442	B7J
				C443	B7J

				C555	B9H
				C556	B9H
				C557	B9I
				C558	B9I
				C559	B9I
				C560	B9I
				C561	B9I
				C562	B9I
				C578	B6I
				C802	B5I
				C817	B6F
				C818	B6F
				C820	B4J
				C821	B4I
				C822	B5I
3101054720000	Chip capacitor GRM36X7R472K50PT 4700PF K 50V X7R 0402 MURATA (RoHS)	1		C402	B7G
3101054740020	Chip capacitor GRM155R61A474KE15D 0.47uF K 10V X5R 0402 MURATA (RoHS)	4		C420	B7F
				C422	B7E
				C909	B8D
				C912	T6E
3101055610000	Chip capacitor C1005X7R1H561KT 560PF K 50V X7R 0402 TDK (RoHS)	14		C170	T6B
				C171	T6B
				C421	B7E
				C543	T8F
				C544	T8F
				C545	T8G
				C546	T6H
				C547	T7H
				C548	T6G
				C549	T6G

					C550	T9G
					C551	B8G
					C552	T9G
					C910	B9D
3101056830000	Chip capacitor	C1005X5R1A683KT 0.068UF K 6.3V X5R 0402 TDK (RoHS)	1		C452	T6D
3101056840010	Chip capacitor	GRM36Y5V684Z10PN 0.68UF Z 10V Y5V 0402 MURATA (RoHS)	1		C419	B7J
3101058200000	Chip capacitor	GRM1555C1H820J 82PF J 50V COG 0402 MURATA (RoHS)	1		C178	T5B
3101060200010	Chip capacitor	GRM1885C1H2R0BZ01D 2PF B 50V COG 0603 MURATA (RoHS)	2		C112	T4B
					C219	T2J
3101060300010	Chip capacitor	GRM1885C1H3R0BZ01D 3PF B 50V COG 0603 MURATA (RoHS)	3		C706	B5G
					C707	B5G
					C813	B4J
3101060390000	Chip capacitor	GRM1885C1HR30BZ01D 0.3PF B 50V COG 0603 MURATA (RoHS)	2		C109	T4B
					C110	T4B
3101061200000	Chip capacitor	GRM1885C1H120JA01D 12PF J 50V COG 0603 MURATA (RoHS)	2		C212	T3I
					C703	B5H
3101060590010	Chip capacitor	GRM1885C1HR50BZ01D 0.5PF B 50V COG 0603 MURATA (RoHS)	4		C111	T4B
					C705	B6G
					C709	B5G
					C717	B4G
3101060600010	Chip capacitor	GRM1885C1H6R0BZ01D 6PF B 50V COG 0603 MURATA (RoHS)	3		C218	T2J
					C472	B5H
					C722	B4F
3101061020000	Chip capacitor	GRM188R71H102KA01D 1000PF K 50V X7R 0603 MURATA (RoHS)	5		C220	T2J
					C236	B3A
					C526	T2L
					C529	T4L
					C532	T4L
3101061030010	Chip capacitor	GRM188R71H103KA01D 0.01UF K 25V X7R 0603 MURATA (RoH)	4		C152	T5C
					C227	T3G

				C228	T3F
				C512	B6L
3101061040010	Chip capacitor GRM188R71C104KA01D/C1608X7R1C104K 0.1UF K 16V X7R 06 MURATA/TDK (RoHS)	9		C222	T1H
				C235	T1G
				C518	B8M
				C519	B8M
				C520	B6M
				C521	B6M
				C528	T7L
				C534	B6L
				C536	T5L
3101061050000	Chip capacitor GRM188F51E105ZA12D 1UF Z 25V Y5V 0603 MURATA (RoHS)	5		C408	B7G
				C412	B8G
				C434	B8K
				C513	B6L
				C514	B8L
3101061500010	Chip capacitor GRM1885C1H150JA01D 15PF J 50V COG 0603 MURATA (RoHS)	1		C204	B5E
3101062220010	Chip capacitor GRM39X7R222K50PFT 2200PF K 50V X7R 0603 MURATA (RoHS)	1		C416	B7F
3101062240000	Chip capacitor GRM188R71A224KA01D 0.22UF K 10V X7R 0603 MURATA (RoH)	3		C237	T4C
				C414	B8F
				C522	T7L
3101064710000	Chip capacitor GRM188R71H471KA01D 470PF K 50V X7R 0603 MURATA (RoHS)	24		C113	T4B
				C114	T4B
				C205	T3H
				C207	T3H
				C208	T2H
				C210	T3H
				C215	T3J
				C216	T2J
				C217	T2I

				C223	T1I
				C226	T3G
				C232	T1G
				C530	T4L
				C531	T4L
				C708	B5F
				C716	B4G
				C718	B4F
				C719	B4F
				C720	B4F
				C721	B4F
				C723	B4F
				C726	B6F
				C755	B6H
				C812	B4I
3101066800000	Chip capacitor C1608COG1H680JT/GRM1885C1H680JA01D 68PF J 50V COG 06 TDK/MURATA (RoHS)	1		C118	B4C
3101074730000	Chip capacitor GRM21BR71E473KA01L 0.047UF K 25V X7R 0805 MURATA (RoHS)	1		C814	B4I
3103994760180	Electrolytic Capacitor EEEFK1E470P 47uf M 25V -55~+105°C SMD 5.0*7. PANASONIC (RoHS)	2		C234	T2F
				C533	T5L
3104071050070	Tantalum capacitor TEESVP1C105M8R 1UF M 16V -55~+125°C P NEC (RoHS)	5		C241	T4D
				C417	B7F
				C418	B7E
				C517	B7K
				C608	B3L
3104071060080	Tantalum capacitor TEESVP0J106M8R 10UF M 6.3V -55~+125°C P NEC (RoHS)	1		C164	T6A
3104071560040	Tantalum capacitor F920J156MPA 15UF M 6.3V -55~+125°C P NICHICON (RoHS)	1		C429	B8E
3104072250060	Tantalum capacitor TEESVP1A225M8R 2.2UF M 10V -55~+125°C P NEC (RoHS)	1		C250	T5D
3104074750070	Tantalum capacitor TEESVP1A475M8R 4.7UF M 10V -55~+125°C P NEC (RoHS)	13		C247	B6C
				C411	B8G

						C424	B8E
						C448	B8D
						C457	T6D
						C464	T8E
						C469	B8H
						C604	B6M
						C804	B6J
						C811	B5J
						C825	B5K
						C828	B4I
						C831	B6J
3104081040020	Tantalum capacitor	TEESVA1V104M8R 0.1UF M 35V -55~+125°C S NEC (RoHS)	2			C221	T1H
						C816	B4I
3104081060120	Tantalum capacitor	TEESVA1C106M8R 10UF M 16V -55~+125°C S NEC (RoHS)	5			C523	T7L
						C553	B8J
						C607	B2L
						C724	B6G
						C819	B6F
3104083350050	Tantalum capacitor	F931C335MAA 3.3UF M 16V -55~+125°C A NICHICON (RoHS)	1			C815	B4I
3104086850040	Tantalum capacitor	F931A685MAA 6.8UF M 10V -55~+125°C A NICHICON (RoHS)	1			C181	T6C
3210306180000	Multi-layer chip inductor	LQG18HN18NJ00 18nH J 350mA 0.45ohm -40~+85°C Q:12 0603 MURATA (RoHS)	2			L138	B6D
						L710	B4F
3210306220000	Multi-layer chip inductor	LQG18HN22NJ00 22nH J 300mA 0.50ohm -40~+85°C Q:12 0603 MURATA (RoHS)	1			L123	B5D
3213212100000	Wound chip inductor	NLV25T-010J 10nH J 530mA 0.26Ω Q:15 -40~+105°C TDK (RoHS)	2			L127	T2I
						L128	T2J
3213212103000	Wound chip inductor	NLV25T-100J-PF 10uH J 155mA 3.5Ω Q:25 -40~+105°C 1008 TDK (RoHS)	1			L134	T6C
3221506601000	Bead	BLM18AG601SN1 600Ω 100MHz ±25% 500mA -55~+125°C 0603 MURATA (RoHS)	40			L129	T1I
						L135	B5B

L137	B6C
L501	T8E
L503	T6F
L504	T6G
L505	T6G
L506	B9G
L507	B8H
L508	B8G
L509	B9G
L510	B8G
L511	B9G
L512	B9G
L513	B8G
L514	B9G
L515	B8G
L516	B9G
L517	B8G
L518	B9G
L519	B8G
L520	B9F
L521	B8G
L522	B9F
L523	B8F
L524	B9F
L525	B8F
L526	B9F
L527	B8F
L528	B9F
L529	B8F
L530	B9F

			L531	B8F
			L532	B9F
			L533	B8F
			L534	B9H
			L535	B9I
			L801	B6J
			L803	B3K
			L804	B4J
3231132830000	Air core inductor 1.3*2.8*3TR (RoHS)	2	L102	B2B
			L103	B2C
3231803011000	Air core inductor 0.8*3.0*11TR (RoHS)	1	L101	B1C
3231803060000	Air core inductor 0.8*3.0*6TR (RoHS)	1	L133	T4E
3302030500000	Zener diode UDZSTE(1710B)/UDZSNPTE(1710B) 10V 150°C SOD-323 Rohm (R	1	D514	T7L
3302030500010	Zener diode UDZSTE(1715B)/UDZSNPTE(1715B) 15V 150°C SOD-323 Rohm (R	1	D518	T6L
3302030500030	Zener diode UDZSTE(175.1B)/UDZSNPTE(175.1B) 5.1V 150°C SOD-323 Rohm (RoHS)	2	D112	B5C
			D118	T1H
3302180100000	Zener Diode HZU5ALL-E 5V -55~150°C URP RENESAS (RoHS)	1	D802	B4J
3303010500040	Switching Diode 1SS355(Te17) 80V 100mA 1.2V/100mA -55~150°C SOD-323 (RoHS)	5	D103	T4B
			D116	T2H
			D511	T7L
			D513	T7L
			D517	T6L
3303030100010	Switching Diode DAN222(TL) 80V 100mA 1V/100mA -55~150°C SOT-416 Roh (RoHS)	2	D113	T7A
			D114	T7B
3303210100000	Switching Diode MA4P1250 50V 1V/50mA 4ns -65~175°C 3*2mm MACOM (RoH	2	D104	T3E
			D105	B3D
3399990000240	Zener Diode UDZSTE(174.7B) 4.7V -55~150°C SOD-323 Rohm (RoHS)	1	D119	T4B
3401001000490	PNP Transistor 2SA1832-GR(Te85L.F) 50V 150mA 200~400 -55~125°C SSM TOSHIBA (RoHS)	1	Q802	B4J
3401002000140	NPN Transistor 2SC4215-Y(Te85L,F) 30V 20mA 100~200 -55~125°C SC-70	1	Q113	T5B

3401002000290	TOSHIBA (RoHS) NPN Transistor 2SC4116-GR(T5L.F.H) 50V 150mA 200~400 -55~125°C SC-7 TOSHIBA (RoHS)	3	Q404 Q704 Q705	B8J B5F B4F
3403002000000	PNP Transistor 2SB1132FD5T100R 32V 1A 82~390 -55~125°C SC-62 Rohm (2	Q601 Q603	B4L B2L
3403003000000	NPN Transistor 2SC2412K 50V 150mA 120~560 -55~150°C SC-59 Rohm (RoH	1	Q114	T4A
3403003000060	NPN Transistor 2SC4617TLS 50V 150mA 270~560 -55~150°C SC-75A Rohm (1	Q401	B7F
3403007000000	BRT DTA114EE(TL) Vce:50V VIoff:0.5V VIon:3V 70mA 150°C EMT3 ROHM (R	6	Q105 Q106 Q514 Q516 Q519 Q520	T6C T5A T6L T7L T7L T7L
3408002000010	NPN Transistor 2SC3357-T1-A-RF 12V 100mA 120 -65~150°C 1GHz SOT-89 (RoHS)	2	Q109 Q110	T3J T3I
3501030000000	P-MOSFET 2SJ506STR-E VDS:-30V ID:-10A VGS(th):-1.5V 150°C DPAK RENE (RoHS)	1	Q512	T4L
3411002000020	NPN Transistor 2SC5343EG 50V 150mA 200~400 -55~150°C SOT-523 AUK (R	2	Q801 Q901	B6F T6F
3501020000030	N-MOSFET 3SK318YB-TL-E-Q VDS:6V ID:20mA VGS(th):0.7V 150°C CMPAK-4 RENESAS (RoHS)	1	Q112	B6D
3503020000030	N-MOSFET 2SK1824-T1-A VDS:30V ID:100mA VGS(th):3.0V 150°C SC-75 NEC (RoHS)	6	Q403 Q405 Q406 Q502 Q511 Q521	B8G B7J B7J T6G B6L B9L
3602017006350	[Moisture-proof] Audio amplifier TDA7297D 10W+10W 6.5~18V 32dB - 40~+150°C PowerSO20 ST (RoHS)	1	IC511	B8M

3605002054790	Operational amplifier TA75W558FU(TE12L.F) 4~18V 250mW 100dB 2 operational amplifier -40~+85°C SSOP8 TOSHIBA (RoHS)	1	IC404	T6D
3605002057090	Operational amplifier TA75S01F(TE85L.F) 6~12V 200mW 100dB 1 operational amplifier -40~+85°C SSOP5 TOSHIBA (RoHS)	2	IC103 IC407	T4D B7H
3605002057290	Operational amplifier TC75W51FU(TE12.F) 1.5~7V 200mW 70dB 2 operational amplifier -40~+85°C SSOP8 TOSHIBA (RoHS)	3	IC402 IC403 IC405	B7D T8E B8K
3607002000180	Logic IC TC4013BF(EL,N,F) D-type flip flop 3~18V -40~85°C SOL-14 TOSHIBA (RoHS)	1	IC512	T7M
3608002020890	Power management IC TA7805F(TE16L.F) Regulators 5V 1.0A -30~+85°C TOSHIBA (RoHS)	1	IC602	B5L
3608015005600	Power management IC XC62FP3502PR Regulators 3V 250mA -40~+85°C SOT-Torex (RoHS)	1	IC803	B4J
3609007001590	【Moisture-proof】 IF processor MB15A02PFV1-E1 1.1GHz -40~+85°C PLL synthesizer SSOP-16 Fujitsu (RoHS)	1	IC801	B5I
3612022000000	Memory CAT24C256WI-G EEPROM 256K 1.8~5.5V -40~85°C SOIC-8 CATALYST (RoHS)	1	IC501	T6H
3613034001060	[Moisture-proof] Baseband processor AK2346-E2 processing of audio transmission and reception 1.5~5.9V -30~+75°C VSOP-24 AKM (RoHS)	1	IC401	B8E
3701098340010	Crystal DSX530GA-9.8304M 9.8304MHz ±30ppm 20pF -30°C~+75°C SMD KDS (RoHS)	1	X501	T7E
3701368630000	Crystal NX1255GB 3.6864MHz ±100ppm 20pF -40°C~+125°C SMD NDK (RoHS)	1	X402	B8E
3802499540040	Crystal Filter DSF753SBF 49.95MHz ±6.0kHz -20°C~+70°C SMD KDS (RoHS)	1	XF200	T5C
3403008000010	BRT DTC114EE(TL) Vce:50V VIoff:0.5V VIon:3V 100mA 150°C EMT3 ROHM (RoHS)	11	Q402 Q501 Q503 Q504 Q513 Q515 Q517	B8F T7F T6H T6J T6M T6L T7L

							Q518	T7L
							Q602	B4L
							Q604	B2L
							Q706	B4F
3210306561010	Multi-layer chip inductor LQM18NNR56K00 560nH K 35mA 1.55ohm -40~+8 Q:15 0603 MURATA (RoHS)	1				L114	B5D	
3003061040000	Thermistor NCP18WF104J03RB NTC 100KΩ J -40~+85°C 0603 MURATA (RoHS)	1				TH101	B2A	
3221513600000	Bead BLM41PG600SN1 60Ω 100MHz ±25% 6000mA -55~+125°C 1806 MURATA (2				L131	T1G	
						L132	T1G	
3001055640000	Chip resistor RTT02/RC0402 560KΩ J 1/16W -55~+155°C 0402 RALEC/YAG (RoHS)	2				R156	T6B	
						R406	B7F	
3001053920010	Chip resistor RTT02/RC0402 3.9KΩ J 1/16W -55~+155°C 0402 RALEC/YAG (RoHS)	1				R155	T7B	
5205015000000	Board-to-cable connector 1251S-15-SM1 15Pin 1.25mm male DIP 23.50*3 (RoHS)	1				J503	T8L	
3101051530010	Chip capacitor C1005X7R1E153K 0.015UF K 16V X7R 0402 TDK (RoHS)	2				C410	B7G	
						C824	B6K	
3401002000150	NPN Transistor 2SC4738F-GR (T5L, F) 50V 150mA 200~400 -55~125°C ESM TOSHIBA (RoHS)	1				Q803	B4J	
3605002054590	Operational amplifier TA75W01FU (TE12L, F) 6~12V 250mW 100dB 2 operat amplifier -40~+85°C SSOP8 TOSHIBA (RoHS)	1				IC104	T4C	
3101080200010	Chip capacitor 501R18N2R0CV4E 2pF C 500V NPO 1206 Johanson (RoHS)	1				C105	B3C	
3101080100010	Chip capacitor 501R18N1R0CV4E 1pF C 500V NPO 1206 Johanson (RoHS)	2				C102	B2B	
						C104	B2C	
3101084710010	Chip capacitor 631R18N471KV4E 470pF K 630V NPO 1206 Johanson (RoHS)	4				C108	B2C	
						C229	T3F	
						L130	T1D	
						L144	B2A	
3101080500010	Chip capacitor 501R18N5R0CV4E 5pF C 500V NPO 1206 Johanson (RoHS)	2				C103	B3B	
						C116	T2C	

3001052230000	Chip resistor RTT02/RC0402 22K Ω F 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	1	R491	B8H
3001051510000	Chip resistor RTT02/RC0402 150 Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	3	R137 R173 R412	B6D B6I B7F
410M6251001D0	PCB main board TM-625U FR4 6L 2P 188.25*153.00*1.60mm D (RoHS)	1		
3101051810010	Chip capacitor GRM1555C1H181JA1J 180p J 50V COG 0402 MURATA (RoHS)	1	C451	T6D
3001051240000	Chip resistor RTT02/RC0402 120K Ω J 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	1	R437	B7D
3610045000200	[Moisture-proof] MCU M3062LFGPGP 16-bit 2.7 \sim 5.5V 20MHz -40 \sim +85 $^{\circ}$ C LQ 100 Renesas (RoHS)	1	IC502	T7G
3302030500020	Zener diode UDZSTE(1718B)/UDZSNPTE(1718B)18V 150 $^{\circ}$ C SOD-323 Rohm (RoHS)	1	D512	T6L
4002000000300	Fuse 0467.500NR 32V 0.5A 0603-FF LITTELFUSE (RoHS)	2	FP101 FP102	B8H B9H
3210406331000	Multi-layer chip inductor LQM18NNR33K00 330nH K 35mA 0.85ohm -40 \sim +85 $^{\circ}$ C Q:15 0603 MURATA (RoHS)	1	L113	B5D
3001051520010	Chip resistor RTT02/RC0402 1.5K Ω F 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	2	R123 R151	B4A T6C
3001051820010	Chip resistor RTT02/RC0402 1.8K Ω F 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	2	R121 R150	B4A T6C
3101050400010	Chip capacitor GRM1555C1H4R0BZ01D 4PF B 50V COG 0402 MURATA (RoHS)	1	C127	B4C
3101061040020	Chip capacitor GRM188F11E104ZA01B 0.1UF Z 25V F 0603 MURATA (RoHS)	2	C540 C541	T6L T6L
3104084750040	Tantalum capacitor 1206 4.7uF K 16V TAJA475K016RNJ (RoHS)	2	C524 C601	T6N B5L
3609999000330	Reset IC CN813LESA 4.65V -40 \sim +85 $^{\circ}$ C SOP-8 CONSONANCE (RoHS)	1	IC901	T6E
3399990000260	Rectifier Diode HSM88ASTL-E 10V 15mA 380mV/1mA -55 \sim 125 $^{\circ}$ C MPAK RENES (RoHS)	1	D418	B4B
3418001000010	NPN Transistor AT-41511-TR1G 10V 50mA 150 -65 \sim 150 $^{\circ}$ C SOT-143 AGILENT (RoHS)	1	Q111	B4A

3101050600010	Chip capacitor GRM1555C1H6R0BZ01D 6PF B 50V COG 0402 MURATA (RoHS)	2	C186	B6I
			C190	B5I
3101050800000	Chip capacitor GRM1555C1H8R0BZ01D 8PF B 50V COG 0402 MURATA (RoHS)	3	C123	B4B
			C133	B6A
			C185	B6I
3101050700010	Chip capacitor GRM1555C1H7R0BZ01D 7PF B 50V COG 0402 MURATA (RoHS)	4	C121	B4C
			C130	B4B
			C139	B6B
			C245	B6B
3231351640000	Air core inductor E2-0.35*1.6*4TL (RoHS)	6	L106	B4C
			L107	B4C
			L108	B4B
			L111	B6B
			L136	B6B
			L146	B6B
3217607330000	Wound chip inductor C2012C-33NG-R 33nH G 500mA 0.27Ω -40~+125°C 08 SAGAMI (RoHS)	1	L139	B4B
3101053690000	Chip capacitor GRM1555C1H3R6BZ01D 3.6PF B 50V COG 0402 MURATA (RoHS)	2	C137	B6B
			C138	B6B
3001054320000	Chip resistor RTT02/RC0402 4.3KΩ J 1/16W -55~+155°C 0402 RALEC/YAG (RoHS)	4	R525	T8G
			R526	T8G
			R527	T8F
			R528	T8F
3101051040060	Chip capacitor GRM155R71C104KA88D 0.1UF K 16V X7R 0402 MURATA (RoHS)	3	C100	B5B
			C126	B5C
			C135	B5B
3214307181000	Chip inductor C2012C-R18J 180nH J 400mA 0.64Ω Q:35 -55~+125°C 0805 SAGMI (RoHS)	1	L109	B4A
3101051010030	Chip capacitor GRM1555C1H101JZ01D 100PF J 50V COG 0402 MURATA (RoHS)	1	C136	B5B
3001053310010	Chip resistor RTT02/RC0402 330Ω J 1/16W -55~+155°C 0402 RALEC/YAGE	1	R177	B4F

	(RoHS)							
3101053000010	Chip capacitor GRM1555C1H300JZ01D 30PF J 50V COG 0402 MURATA (RoHS)	1	C162	T7A				
3101050500000	Chip capacitor GRM1555C1H5R0CZ01D 5PF C 50V COG 0402 MURATA (RoHS)	3	C930	T2H				
			C931	T2I				
			C932	T4C				
3701049550020	crystal oscillator NX3225SA-49.5M 49.5MHz ±10PPM 12pF -20~+70°C SM (RoHS)	1	X401	T6A				
3001051800000	Chip resistor RTT02/RC0402 18 Ω J 1/16W -55~+155°C 0402 RALEC/YAGEO (RoHS)	2	R168	B5F				
			R183	T3H				
3001053300010	Chip resistor RTT02/RC0402 33 Ω J 1/16W -55~+155°C 0402 RALEC/YAGEO (RoHS)	2	R139	B6C				
			R167	B6I				
3001054700000	Chip resistor RTT02/RC0402 47 Ω J 1/16W -55~+155°C 0402 RALEC/YAGEO (RoHS)	1	R169	B5F				
3001055600000	Chip resistor RTT02/RC0402 56 Ω J 1/16W -55~+155°C 0402 RALEC/YAGEO (RoHS)	1	R203	B5I				
3001062240010	Chip resistor RTT03/RC0603 220K Ω J 1/10W -55~+155°C 0603 RALEC/YAG (RoHS)	1	R713	B4F				
3001062710000	Chip resistor RTT03/RC0603 270 Ω J 1/10W -55~+155°C 0603 RALEC/YAGE (RoHS)	1	R707	B4F				
3001063300000	Chip resistor RTT03/RC0603 33 Ω J 1/10W -55~+155°C 0603 RALEC/YAGEO (RoHS)	2	R704	B6F				
			R712	B4F				
3001063310000	Chip resistor RTT03/RC0603 330 Ω F 1/10W -55~+155°C 0603 RALEC/YAGE (RoHS)	1	R702	B5F				
3001064700000	Chip resistor RTT03/RC0603 47 Ω J 1/10W -55~+155°C 0603 RALEC/YAGEO (RoHS)	1	R703	B5G				
3001064720000	Chip resistor RTT03/RC0603 4.7K Ω J 1/10W -55~+155°C 0603 RALEC/YAG (RoHS)	4	R708	B4F				
			R710	B5F				
			R711	B5F				
			R720	B4F				
3101050200010	Chip capacitor GRM1555C1H2R0BZ01D 2PF B 50V COG 0402 MURATA (RoHS)	5	C119	B4B				

				C120	B4C
				C146	B6D
				C187	B6I
				C188	B5I
3101061000000	Chip capacitor GRM1885C1H100JA01D 10PF J 50V COG 0603 MURATA (RoHS)	1		C206	T3H
3102992000000	Trimmer capacitor TZY2Z060A001 6pF ±2.5pF 55V -25~+85°C SMD MURATA (RoHS)	2		TC701	B5G
				TC702	B4G
3210306150000	Multi-layer chip inductor LQG18HN15NJ00D 15nH J 350mA 0.40ohm -40~+85°C Q:12 0603 MURATA(RoHS)	4		L119	B6I
				L120	B6I
				L121	B5I
				L125	T3H
3210306820000	Multi-layer chip inductor LQG18HN82NJ00 82nH J 300mA 0.85ohm -40~+85°C Q:12 0603 MURATA(RoHS)	1		L122	B4E
3234599180000	SMT Air core coil C3328 18nH C3328A-18NG SAGMI (RoHS)	2		L703	B5G
				L707	B4H
3303030100020	Switching Diode DAN235E 35V 0.8V/10mA -55~125°C SOT-416 Rohm (RoHS)	1		D115	B5E
3304010100160	Varactor 1SV278 (TH2, F, T) VR:30V 15pF/2VR 2.3pF/10VR 125°C SMD TOSHI (RoHS)	1		D705	B6G
3304010100990	Varactor 1SV282 (TH3, F, T) VR:34V 35pF/2VR 2.8pF/25VR 125°C SMD TOSHI (RoHS)	4		D702	B5H
				D704	B5H
				D706	B4H
				D709	B4H
3401002000990	NPN Transistor 2SC5108-Y (TE85L, F) 10V 30mA 120~240 -55~125°C SSM TO (RoHS)	3		Q101	B5F
				Q102	B6I
				Q703	B4G
3499000000140	N-JFET 2SK508-K52-T1B-A VGS:15V VGSoff:-1.4V IDSS:50mA 150°C SMD NE (RoHS)	2		Q701	B5G
				Q702	B4G
3213212102000	Wound chip inductor NLV25T-1R0J-PF 1uH J 245mA 1.1Ω Q:30 -40~+105°C 1008 TDK (RoHS)	8		L701	B5H
				L702	B5H
				L704	B5F

				L705	B4H
				L706	B4H
				L708	B4G
				L709	B4F
				L711	B6G
3001052710000	Chip resistor RTT02/RC0402 270 Ω F 1/16W -55 \sim +155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	2	R182	T3H	
			R184	T3H	
3001065630000	Chip resistor RTT03/RC0603 56K Ω J 1/10W -55 \sim +155 $^{\circ}$ C 0603 RALEC/YAGE (RoHS)	1	R717	B6G	
3101051030050	Chip capacitor GRM155R71C103KA01D 0.01UF K 16V X7R 0402 MURATA (RoH	4	C143	B6C	
			C148	T5D	
			C242	T5B	
			C606	B2L	
3101050590020	Chip capacitor GRM1555C1HR50BZ01D 0.5PF B 50V COG 0402 MURATA (RoHS)	1	C196	B5E	
3101050100030	Chip capacitor GRM1555C1H1R0BZ01D 1PF B 50V COG 0402 MURATA (RoHS)	1	C198	B6E	
3002996830060	Trimmer resistor EVM2NSX80BS4 68K \pm 25% 0.15W, temperature coefficient: \pm 250 \times 10 $^{-6}$ / $^{\circ}$ C, 2.2*2.81*0.81 PANASONIC (RoHS)	2	VR801	T4K	
			VR802	T8H	
3101051800010	Chip capacitor GRM1555C1H180JZ01J 18PF J 50V COG 0402 MURATA (RoHS)	1	C125	B6A	
3101052400010	Chip capacitor GRM1555C1H240JZ01D 24PF J 50V J COG 0402 MURATA (RoH	1	C134	B6A	
3210305120000	Multi-layer chip inductor LQG15HS12NJ02 12nH J 300mA 0.28ohm -55 \sim +1 Q:8 0402 MURATA (RoHS)	1	C199	B6E	
3101051200020	Chip capacitor GRM1555C1H120JZ01D 12PF J 50V COG 0402 MURATA (RoHS)	1	C150	T5C	
3101062200010	Chip capacitor GRM1885C1H220JA01D 22PF J 50V COG 0603 MURATA (RoHS)	1	C712	B4H	
3101060800010	Chip capacitor GRM1885C1H8R0BZ01D 8PF B 50V COG 0603 MURATA (RoHS)	2	C714	B4G	
			C715	B4G	
3101061810010	Chip capacitor C1608COG1H181J 180PF J 50V COG 0603 TDK (RoHS)	2	C702	B5H	
			C711	B4H	
3101050300000	Chip capacitor GRM1555C1H3R0BZ01D 3PF B 50V COG 0402 MURATA (RoHS)	2	C149	T6D	
			C151	T5C	
3304180000000	Varactor HVC358B 15V 9.3 \sim 21pF 2.2 125 $^{\circ}$ C UFP (RoHS)	5	D107	B5B	

			D108	B5B
			D109	B5B
			D110	B5A
			D111	B5B
3231132720000	Air core inductor 1.3*2.7*2TR (RoHS)	1	L105	T2D
3101060700030	Chip capacitor C1608C0G1H070CT 7PF C 50V COG 0603 TDK(RoHS)	1	C704	B5G
3001052730000	Chip resistor RTT02/RC0402 27K Ω J 1/16W -55 $^{\circ}$ C~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	1	R421	B7E
3001061810000	Chip resistor RTT03/RC0603 180 Ω J 1/10W -55 $^{\circ}$ C~+155 $^{\circ}$ C 0603 RALEC/YAGE (RoHS)	1	R142	T5C
3101060700020	Chip capacitor GRM1885C1H7R0BZ01D 7PF B 50V COG 0603 MURATA (RoHS)	1	C713	B4G
3101053330000	Chip capacitor GRM155R71C333KA01D 0.033UF K 16V X7R 0402 MURATA (RoHS)	1	C224	T4C
3001053030000	Chip resistor RTT02/RC0402 30K Ω F 1/16W -55 $^{\circ}$ C~+155 $^{\circ}$ C 0402 RALEC/YAGE (RoHS)	1	R154	T6B
3001053320010	Chip resistor RTT02/RC0402 3.3K Ω F 1/16W -55 $^{\circ}$ C~+155 $^{\circ}$ C 0402 RALEC/YAG (RoHS)	1	R153	T6B
1616100001430	Embedded software of HYT mobile radio (RoHS)	1		
3001066810000	Chip resistor RTT03/RC0603 680 Ω F 1/10W -55 $^{\circ}$ C~+155 $^{\circ}$ C 0603 RALEC/YAGE (RoHS)	1	R181	T2I
3101080590000	贴片电容 501R18N0R5BV4E 0.5P \pm 0.1P 500V -55 $^{\circ}$ C~+125 $^{\circ}$ C 1206 JOHANSON (RoHS)	1	C231	T1E
3603018000000	IF processor BA4116FV 10~150MHZ 1.8~5.5V -30 $^{\circ}$ C~+85 $^{\circ}$ C SSOP-B16 ROHM (RoHS)	1	IC102	T6B
3303240000000	Switching diode BAS16XV2T1G 75V 200mA 1.25V 6ns -50 $^{\circ}$ C~+150 $^{\circ}$ C SOD-5 ONSEMI (RoHS)	3	D501 D801 D803	T6F B6I B6F
3701016850070	Temperature compensated crystal oscillator TKL3033A 16.8MHz 3.0V \pm -30 $^{\circ}$ C~+75 $^{\circ}$ C (RoHS)	1	IC802	B6J
5207032000000	FPC connector 52559-3272 32PIN 0.50mm SMD (RoHS)	1	J501	T9G
3303020100060	★ MA3J74200L 30V 30mA 0.8V/30mA -55~125 $^{\circ}$ C S-Mini Panasonic	4	D101	T4B

	(RoHS)			D102	T4B
				D117	T3I
				D401	T7D
3101054730000	Chip capacitor GRM155R71A473KA01D 0.047UF K 10V X7R 0402 MURATA (Ro	1		C436	B8K
3302060000000	Zener diode ZSH5MA27 27V -40°C~+150°C SMD HITACHI (RoHS)	1		D515	T2M

Main board PN	1301006250000							
Description	TM-628H Semi-finished chip control panel (RoHS)							
P/N	description	number	code	position				
3001061010000	Chip resistor RTT03/RC0603 100 Ω J 1/10W -55~+155°C 0603 RAI (RoHS)	2	R341 R344	T3A B4H				
3001061030000	Chip resistor RTT03/RC0603 10K Ω D 1/10W -55~+155°C 0603 RAI (RoHS)	1	R304	B1B				
3001061040000	Chip resistor RTT03/RC0603 100K Ω D 1/10W -55~+155°C 0603 RAI (RoHS)	1	R319	B3D				
3001061210000	Chip resistor RTT03/RC0603 120 Ω J 1/10W -55~+155°C 0603 RAI (RoHS)	1	R311	T2J				
3001061830000	Chip resistor RTT03/RC0603 18K Ω D 1/10W -55~+155°C 0603 RAI (RoHS)	2	R308 R313	T2G T2J				
3001062700000	Chip resistor RTT03/RC0603 27 Ω J 1/10W -55~+155°C 0603 RAI (RoHS)	1	R306	T2C				
3001063310010	Chip resistor RTT03/RC0603 330 Ω J 1/10W -55~+155°C 0603 RAI (RoHS)	1	R301	B4H				
3001063920000	Chip resistor RTT03/RC0603 3.9K Ω J 1/10W -55~+155°C 0603 RAI (RoHS)	1	R307	TG2				
3101064710000	Chip capacitor GRM188R71H471KA01D 470PF K 50V X7R 0603 MURATA	2	C301 C302	T2C T2C				
3399010600000	Diode HSB123TR-E RENESAS (RoHS)	3	D303 Q305 Q306	T2C B5H B3C				
3403002000000	PNP Transistor 2SB1132FD5T100R 32V 1A 82~390 -55~125°C SC-62	1	Q302	T2D				
3403008000010	BRT DTC114EE (TL) Vce:50V VIoff:0.5V VIon:3V 100mA 150°C EMT3	3	Q301 Q303 Q304	B1B T2H T2J				
3609023000020	[Moisture-proof] Driver PCF8576DH/2+518 1.8~5.5V 16-Bit TM-6 Drive-40~+85°C TQFP64 Philips (RoHS)	1	IC301	T2E				

5207032000000	FPC connector 52559-3272 32PIN 0.50mm SMD (RoHS)	1	J302	B2D
3213306221010	Multi-layer chip inductor MLF1608DR22KT 0.22uH K 50mA 0.8Ω 25~+85°C 0603 TDK(RoHS)	1	L302	T5C
3001050000000	Chip resistor RTT02/RC0402 0Ω J 1/16W -55~+155°C 0402 RALEC (RoHS)	1	R320	B4H
3001051010000	Chip resistor RTT02/RC0402 100Ω J 1/16W -55~+155°C 0402 RAI (RoHS)	2	R321 R342	T5C B3E
3001051520000	Chip resistor RTT02/RC0402 1.5KΩ J 1/16W -55~+155°C 0402 R/ (RoHS)	2	R315 R316	T1E T1E
3221506601000	Bead BLM18AG601SN1 600Ω 100MHz ±25% 500mA -55~+125°C 0603	7	L300 L303 L304 L305 L306 L307 L308	B5I B2E B3C T3G B3C B3D B3E
3001051210000	Chip resistor RTT02/RC0402 120Ω J 1/16W -55~+155°C 0402 RAI (RoHS)	1	R310	T1I
3307110200000	【Moisture-proof】LED KPB-3025SURKCGKC Hyper Red&Green 160mcd(R)+40mcd(G) 30mA 1.95V(R)+2.1V(G) -40~85°C 3.0*2.5mm KingBright (RoHS)	1	LED	T1J
3101051030020	Chip capacitor GRM155R71E103KA01D 0.01UF K 25V X7R 0402 MUR/	1	C304	T1G
40020000000180	【FM/Ex】Fuse 0467.250NR 32VAC 0.25A 0603-FF LITTELFUSE (RoH	2	FP101 FP102	B4I B4H
3307110000000	【Moisture-proof】LED KP-1608SECK Super Bright Orange 160mcd 40~85°C 1.6X0.8mm SMD Kingbright (RoHS)	9	LED302 LED303 LED304 LED306 LED307 LED308	T1D T1F T1G T4H T3I T2I

			LED309	T4D
			LED310	T4E
			LED311	T4G
3001051020010	Chip resistor RTT02/RC0402 1K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RALI (RoHS)	1	R340	B5H
3001062230000	Chip resistor RTT03/RC0603 22K Ω J 1/10W -55~+155 $^{\circ}$ C 0603 RAI (RoHS)	1	L301	B3I
3001051530000	Chip resistor RTT02/RC0402 15K Ω J 1/16W -55~+155 $^{\circ}$ C 0402 RAI (RoHS)	1	C310	B4I
410M6251002C0	PCB control board TM-628H FR4 2L 4P 94.5*35*1.2mm C (RoHS)	1		