

BOM

MODEL	spefication	qty	position number						
capacitance									
1P	C0402	1	C327						
2P	C0402	1	C353						
3P	C0402	1	C329						
3.5P	C0402	2	C151	C149					
4P	C0402	1	C311						
4.7P	C0402	1	C132						
5P	C0402	2	C363	C313					
6P	C0402	1	C316						
8P	C0402	2	C351	C328					
10P	C0402	13	C732	C723	C713	C735	C716	C223	
			C364	C516	C518	C535	C513	C523	
			C386						
20P	C0402	4	C639	C638	C365	C129			
22P	C0402	3	C825	C827	C826				
24P	C0402	1	C352						
27P	C0402	1	C237						
33P	C0402	2	C226	C117					
39P	C0402	2	C426	C427					
47P	C0402	7	C734	C733	C539	C538	C721	C387	
			C354						
51P	C0402	1	C382						
82P	C0402	1	C381						
100P	C0402	13	C433	C851	C852	C416	C421	C179	
			C875	C876	C877	C521	C236	C383	
			C890						
102P	C0402	29	C594	C855	C856	C592	C602	C603	
			C417	C412	C566	C822	C712	C183	
			C188	C105	C258	C176	C189	C232	
			C112	C113	C512	C205	C221	C222	
			R565	C235	C124	C127	C742		
103P	C0402	32	C320	C432	C611	C911	C413	C442	
			C534	C449	C531	C884	C411	C632	
			C812	C245	C143	C725	C587	C586	
			C138	C904	C171	C184	C525	C103	
			C123	C231	C326	C385	C362	C898	
			C711	C749					
104P	C0402	53	C593	C813	C872	C429	C635	C591	
			C595	C596	C615	C617	C601	C859	
			C562	C561	C568	C441	C448	C452	
			C186	C244	C142	C752	C731	C466	
			C715	C588	C905	C359	C393	C392	

			C394	C233	C891	C893	C894	C895
			C581	C582	C584	C583	C515	C519
			C511	C101	C125	C324	C321	C357
			C748	C741	C464	C462	C190	
105P	C0402	6	C819	C431	C434	C463	C461	C401
220P	C0402	1	C871					
222P	C0402	1	C422					
223P	C0402	1	C423					
273P	C0402	1	C419					
332P	C0402	1	C585					
470P	C0402	34	C814	C907	C906	C882	C885	C881
			C451	C811	C262	C246	C144	C154
			C137	C902	C102	C358	C175	C185
			C181	C247	C116	C892	C202	C111
			C225	C228	C249	C136	C134	C119
			C317	C323	C355	C751		
472P	C0402	2	C861	C862				
473P	C0402	3	C424	C613	C616			
1P	C0603	1	C250					
2P	C0603	1	C277					
3P	C0603	1	L313					
4.7P	C0603	1	C164					
5P	C0603	2	C167	C168				
6P	C0603	2	C166	C275				
7P	C0603	2	C165	C147				
8P	C0603	1	C252					
9P	C0603	3	C162	C169	C265			
12P	C0603	1	C155					
15P	C0603	1	C276					
18P	C0603	2	C271	C146				
33P	C0603	1	C257					
47P	C0603	1	C145					
56P	C0603	1	C254					
100P	C0603	2	C152	C128				
105P	C0603	1	C901					
475P/10V	C0603	1	C858					
105P	C0805	3	C604	C243	C139			
106P/10V	C0805	6	C415	C414	C714	C903	C391	C514
475P/10V	C0805	2	E180	E258				
10UF/16V	EIA3216(A)	2	E911	E913				
1UF/16V	EIA3216(A)	1	E611					
220UF/16V(CJ)	E-0602	1	E618					
resistance								
0R	R0402	14	R426	R469	R468	R436	R471	C537
			R229	R237	R131	R456	R457	C532

			C565	C533				
1K	R0402	27	R320	R877	R542	R592	R852	R602
			R446	R437	R429	R428	R427	R543
			R591	R733	R734	R391	R232	R891
			R544	R541	R124	R384	R897	R735
			R737	R746	R438			
1K5	R0402	2	R434	R224				
1.8K	R0402	1	R858					
2.2K	R0402	7	R612	R102	R202	R464	R461	R567
			R568					
3.3K	R0402	4	R445	R443	R745	R743		
3.9K	R0402	4	R223	R114	R449	R749		
4.7K	R0402	15	R861	R862	R562	R561	R569	R441
			R442	R902	R394	R393	R581	R582
			R422	R742	R741			
5.6K	R0402	1	R893					
6K8	R0402	1	R396					
10K	R0402	23	R876	R857	R416	R447	R528	R186
			R821	R728	R727	R190	R586	R189
			R188	R181	R585	R545	R899	R898
			R736	R747	R527	R435	R401	
10R	R0402	9	R613	R615	R616	R617	R116	R225
			R227	R118	R326			
12K	R0402	2	R454	R455				
15K	R0402	4	R444	R185	R584	R744		
22R	R0402	1	R362					
27K	R0402	2	R637	R424				
33K	R0402	2	R611	R531				
47K	R0402	28	R328	R865	R866	R867	R868	R633
			R872	R596	R863	R864	R601	R534
			R563	R631	R466	R588	R182	R249
			R247	R101	R201	R235	R136	R134
			R127	R465	R463	R462		
47R	R0402	4	R248	R234	R135	R126		
100K	R0402	28	R327	R321	R430	R431	R433	R856
			R417	R415	R453	R452	R451	R421
			R419	R753	R752	R357	R361	R395
			R111	R211	R233	R125	R523	R325
			R383	R323	R751	R439		
100R	R0402	3	R871	R875	R822			
120K	R0402	1	R184					
150K(F)	R0402	7	R177	R175	R176	R174	R178	R179
			R892					
200K	R0402	1	R855					
220K	R0402	2	R636	R183				

220R	R0402	1	R324					
270R	R0402	4	R153	R154	R262	R261		
300K	R0402	1	R632					
330R	R0402	5	R721	R358	R113	R521	R222	
390K	R0402	1	R635					
470R	R0402	3	R851	R859	R566			
680R	R0402	1	R595					
1M	R0402	4	R825	R425	R187	R895		
0R	R0603	3	R121	C161	C273			
10K	R0603	1	R169					
0R	R0805	2	R255	R148				
R33	R1206	3	R173	R172	R171			
50K	RV-3*3	1	RV531					
induction								
2.2NH(CH)	L0603	1	L133					
6.8NH	L0603	1	L329					
15NH(CH)	L0603	2	L113	L325				
27NH(CH)	L0603	1	L239					
33NH	L0603	1	L314					
56NH(CH)	L0603	1	L365					
100NH(CH)	L0603	5	L359	L222	L353	L381	L386	
390NH(CI)	L0603	2	L112	L221				
560NH(CI)	L0603	1	L631					
100R(2A.PB)	L0603	4	L415	L811	L511	L357		
100R(3A.PB)	L0805	8	L411	L243	L141	L711	L901	L231
			L322	L123				
2.2UH(CI)	L0805	2	L262	L154				
0.31*1.5*6T	6T	1	L232					
EL0.4*1.0*4TL	4T	3	L167	L251	L165			
EL0.4*1.2*4TL	4T	1	L311					
EL0.4*1.5*4TL	4T	2	L163	L124				
EL0.31*1.5*7T	7T	1	L351					
EL0.31*1.5*8T	8T	2	L275	L277				
EL0.4*1.5*8TL	8T	2	L144	L246				
diode								
LED(G)	D0603	1	D851					
LED(R)	D0603	1	D852					
HSC277	D-ESC	14	D151	D261	D311	D312	D352	D351
			D512	D511	D357	D323	D111	D211
			D318	D356				
HVC131(P1)	D-ESC	4	D264	D263	D154	D155		
KDS114E	D-ESC	4	D316	D317	D355	D354		
KDS122	D-USM(D)	1	D895					
audion								
RQA0009	T-2N1A-2SK3476	2	T131	T251				

2SC4617	T-ESM(C)	2	T465	T461				
DTA114EE	T-ESM(C)	1	T872					
DTA114YE	T-ESM(C)	6	T425	T182	T181	T391	T321	T357
DTC114EE(24)	T-ESM(C)	11	T871	T851	T852	T602	T322	T189
			T188	T171	T105	T205	T356	
2SK1824(B1)	T-ESM(G)	7	T424	T423	T323	T436	T183	T184
			T438					
2SK3078	T-SOT89(T1)	2	T121	T235				
2SA1362	T-TSM(C)	1	T601					
2SB624(BV4)	T-TSM(C)	2	T101	T201				
2SC3356(R25)	T-TSM(C)	2	T225	T111				
R3111Q271A	T-US4	1	U821					
2SC4226	T-USM(C)	3	T361	T325	T383			
KTC4082(HF)	T-USM(C)	1	T565					
MRF497	T-USM(C)	2	T569	T891				
integration								
RDA5802N	U-QFN24-0404-P050	1	U391					
RDA1846	U-QFN32(RDA1846)	2	U711	U511				
STM8S207R8	U-QFP64-1212-P050-L1006	1	U811					
MT8870DS	U-SOIC18	1	U835					
24C32	U-SOP8	1	U898					
JRC4558D	U-SOP8	2	U445	U745				
qlx2181-m	U-SOP8	1	U591					
TDA2822L	U-SOP8	1	U611					
RH5RZ33CA-T1-F	U-SOT89(V)	1	U911					
CMX138E1	U-SSOP28(T)	1	U411					
NLM2904	U-SSOP8	1	U171					
other								
3.57954M	FX-11.8*5.5	1	CR638					
3.6864M	FX-11.8*5.5	1	CR425					
16M	FX-3.0*5.0	1	CR825					
26.0M	FX-3.0*5.0	1	CR535					
32.768K(30PPM)	FX-7*1.5	1	CR392					
JP18	JP-18-2	1	JP865					
CALL	S-SKRE	1	SW882					
MONI	S-SKRE	1	SW885					
PTT	S-SKRT-1	1	SW881					
BATTERY	BATT-PX888	1	BA901					
plug-in								
ST-1041	JK-ST-1041	1	JK871					
ST-3013-06	JK-ST-3013-06	1	JK875					
ANT-2	ANT-888	1	ANT160					
SW	S-RD81-T02	1	SW861					
RD810S	S-RD910S	1	SW613					

CPU PIN FUNCTION LIST

Pin NO	Pin NAME	I/O	PORT NAME	FUNCTION DESCRIPTION
1	NC	O		
2	NC	O		
3	NC	O		
4	NC	O		
5	NC	O		
6	NC	O		
7	VDD	I		
8	PLLC	I		
9	VSS	I		
10	P6[7]	O	APC	TRANSMIT POWER CONTROL
11	P6[6]	I/O	CS-138	138 CHIP SELECTION
12	P6[5]	AD	VOX	VOX DETECT
13	P6[4]	AD	LOWP	POWER DETECT
14	P6[3]	O	GREENC	GREEN INDICATOR CONTROL
15	P6[2]	O	PDN-1846	1846 POWER SAVING CONTROL
16	P6[1]	I	SQ	SQ DETECT
17	P6[0]	O	CK-CH	VOICE REPORTING CLOCK
18	XIN	I		
19	XOUT	O		
20	P8[0]	I/O	DA-1846	1846 DATA
21	RESET	I		
22	P7[7]	O	P_AMP	AUDIO AMPLIFICATION POWER CONTROL
23	P7[6]	O	ORANGEC	ORANGE BACKLIGHT
24	P7[5]	O	CLK-LCD	LCD CLOCK
25	P7[4]	O	P_FM	RADIO POWER CONTROL
26	P7[3]	I	PTT/RXD	PTT KEY/FREQUENCY WRITE PORT
27	P7[2]	I	STD-8870	8870 STD
28	P7[1]	O	AF-MUTE	RECEIVE MUTE CONTROL
29	P7[0]	I	TONE-D	AUDIO DECODE
30	PC[0]	I	CDS	CTCSS DECODE
31	PC[1]	O	RING/MSK	RING、SEND MSK
32	PC[2]	O	TOE-8870	8870 TOE
33	PC[3]	I/O	DA-E2	MEMORY DATA
34	P9[0]	I	KIN-1/CALL	KEYSTROKE INPUT 1、CALL KEY DETECT
35	P9[1]	I	KIN-2/MONI	KEYSTROKE INPUT 2、MONITOR KEY DETECT
36	P9[2]	I	KIN-3/RS_LCD	KEYSTROKE INPUT 3/LCD INSTRUCTION DATA SELECTION
37	P9[3]	I	KIN-4/TXD	KEYSTROKE INPUT 4/FREQUENCY READ PORT
38	P9[4]	O	D0/CK_FM/DA-CH	PARALLEL DATA 0、RADIO CLOCK、VOICE REPORTING DATA
39	P9[5]	O	D1/CK-E2/CK-138	PARALLEL DATA 1、E2P CLOCK、138 CLOCK
40	P9[6]	O	D3/CK-1846	PARALLEL DATA 3、1846 CLOCK
41	P9[7]	O	D2/DA-138	PARALLEL DATA 2、138 DATA
42	P5[7]	O	BLUEC	BLUE LIGHT CONTROL
43	P5[6]	I	CH1	ENCODER KNOB 1
44	P5[5]	I	CH2	ENCODER KNOB 2