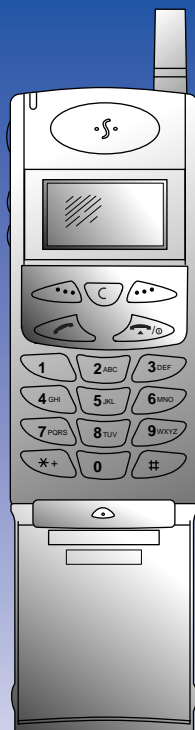


SAMSUNG

DUAL BAND Mobile Cellular Phone SGH-2200

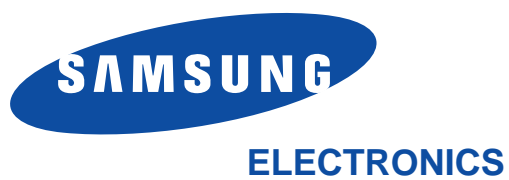
SERVICE *Manual*

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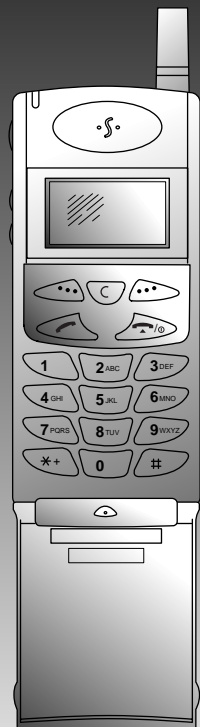


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1. Exectrical Parts List

Design LOC	Q	DESCRIPTION	SEC	REMARK
ZD2	1	DIODE-SWITCHING,MCL4154	0401-001033	
ZD8	1	DIODE-ZENER,UDZ6.8B	0403-001172	
D4	1	DIODE-SCHOTTKY,PRLL5819	0404-001005	
ZD1	1	DIODE-SCHOTTKY,UPS5817	0404-001044	
ZD9	1	DIODE-SCHOTTKY,UPS5817	0404-001044	
ZD12	1	DIODE-TVS,SM05	0406-001005	
ZD3	1	DIODE-TVS,SM12	0406-001012	
ZD10	1	DIODE-TVS,SMS05C	0406-001051	
ZD5	1	DIODE-TVS,SMF05	0406-001084	
ZD6	1	DIODE-TVS,SMF05	0406-001084	
ZD7	1	DIODE-TVS,SMF05	0406-001084	
ZD8	1	DIODE-TVS,SMF05	0406-001084	
D5	1	DIODE-ARRAY,DAN222	0407-001002	
D6	1	DIODE-ARRAY,DAN222	0407-001002	
D1	1	DIODE-ARRAY,DA221	0407-001006	
D2	1	DIODE-ARRAY,UMN1	0407-001007	
Q3	1	TR-SMALL SIGNAL,2SC4081	0501-000218	
Q4	1	TR-SMALL SIGNAL,2SD2114K	0501-002011	
Q7	1	TR-SMALL SIGNAL,2SD2114K	0501-002011	
Q10	1	TR-SMALL SIGNAL,BFP420	0501-002096	
Q9	1	TR-SMALL SIGNAL,BFP520	0501-002226	
Q14	1	TR-DIGITAL,DTC144EE	0504-000168	
Q15	1	TR-DIGITAL,DTC144EE	0504-000168	
Q16	1	TR-DIGITAL,DTC144EE	0504-000168	
Q5	1	TR-DIGITAL,DTC114YE	0504-001012	
Q8	1	TR-DIGITAL,DTC114YE	0504-001012	
U32	1	TR-ARRAY,UMZ1N	0506-000151	
U7	1	TR-ARRAY,UMC5NTL	0506-001004	
LED1	1	LED,CHIP,Y/GRN	0601-000276	
U31	1	IC-CMOS LOGIC,7W74FU	0801-002001	
U39	1	IC-CMOS LOGIC,7W74FU	0801-002001	
U34	1	IC-CMOS LOGIC,7W126FU	0801-002315	
U33	1	IC-CMOS LOGIC,7W08FU	0801-002397	
U38	1	IC-CMOS LOGIC,7W08FU	0801-002397	
U8	1	IC-EEPROM,24LC128	1103-001090	
U4	1	IC-SRAM,KM616U4110	1106-001274	
U6	1	IC-FLASH MEMORY,MBM29LV160B	1107-001158	
U27	1	IC-POWER AMP,PF01411	1201-001299	
U30	1	IC-POWER AMP,PF0414B	1201-001411	
U19	1	IC-OP AMP,MAX4040	1201-001425	
U16	1	IC-POS.FIXED REG.,LP2980AIM5X-3.3	1203-001305	
U13	1	IC-VOLTAGE REGULATOR,LP2981AIM5X-3.0	1203-001454	
U9	1	IC-RESET,MAX809REUR-T	1203-001511	
U44	1	IC-BATTERY,LT1510-5CGN	1203-001515	
U14	1	IC-VOLTAGE REGULATOR,LP2982AIM5X-3.0	1203-001701	

Design LOC	Q	DESCRIPTION	SEC	REMARK
U15	1	IC-VOLTAGE REGULATOR,LP2982AIM5X-3.0	1203-001701	
U17	1	IC-VOLTAGE REGULATOR,LP2982AIM5X-3.0	1203-001701	
U18	1	IC-VOLTAGE REGULATOR,LP2982AIM5X-3.0	1203-001701	
U20	1	IC-VOLTAGE REGULATOR,LP2982AIM5X-3.0	1203-001701	
U12	1	IC-DC/DC CONVERTER,MAX1676	1203-001702	
U36	1	IC-DC/DC CONVERTER,LTC1555CGN	1203-001740	
U2	1	IC-DATA COMM.,AD6421AST	1205-001645	
U10	1	IC-COMM. CONTROLLER,AD6426XST	1205-001646	
U26	1	IC-TRANSCEIVER,HD155121F	1205-001653	
U24	1	IC-SYNTHESIZER,LMX2336LTMX	1209-001161	
U23	1	IC-ETC, LINEAR,HD155171T	1209-001208	
TH1	1	THERMISTOR-NTC,47Kohm,5%,4050K,2.0mW/C,TP	1404-001005	
V1	1	VARISTOR.5.6V,-,1.6x0.8mm,TP	1405-001019	
V2	1	VARISTOR.5.6V,-,1.6x0.8mm,TP	1405-001019	
V3	1	VARISTOR.5.6V,-,1.6x0.8mm,TP	1405-001019	
R142	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R143	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R225	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R26	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R261	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R301	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R61	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R62	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R63	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R66	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R67	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R68	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R69	1	R-CHIP,100ohm,5%,1/16W,DA,TP,1005	2007-000138	
R73	1	R-CHIP,220ohm,5%,1/16W,DA,TP,1005	2007-000139	
R74	1	R-CHIP,220ohm,5%,1/16W,DA,TP,1005	2007-000139	
R104	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R18	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R268	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R269	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R272	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R78	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R81	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R83	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R84	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R85	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R86	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R87	1	R-CHIP,1Kohm,5%,1/16W,DA,TP,1005	2007-000140	
R113	1	R-CHIP,2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141	
R31	1	R-CHIP,2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141	
R32	1	R-CHIP,2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141	
R43	1	R-CHIP,2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141	

Design LOC	Q	DESCRIPTION	SEC	REMARK
R90	1	R-CHIP,2.2Kohm,5%,1/16W,DA,TP,1005	2007-000141	
R105	1	R-CHIP,2.7Kohm,5%,1/16W,DA,TP,1005	2007-000142	
R130	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R21	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R22	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R23	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R24	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R27	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R71	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R72	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R89	1	R-CHIP,4.7Kohm,5%,1/16W,DA,TP,1005	2007-000143	
R79	1	R-CHIP,8.2Kohm,5%,1/16W,DA,TP,1005	2007-000147	
R101	1	R-CHIP,10Kohm,5%,1/16W,DA,TP,1005	2007-000148	
R306	1	R-CHIP,10Kohm,5%,1/16W,DA,TP,1005	2007-000148	
R307	1	R-CHIP,10Kohm,5%,1/16W,DA,TP,1005	2007-000148	
R128	1	R-CHIP,15Kohm,5%,1/16W,DA,TP,1005	2007-000151	
R283	1	R-CHIP,47Kohm,5%,1/16W,DA,TP,1005	2007-000157	
R44	1	R-CHIP,47Kohm,5%,1/16W,DA,TP,1005	2007-000157	
R168	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R231	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R232	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R233	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R235	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R239	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R240	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R242	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R25	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R28	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R282	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R29	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R302	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R305	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R40	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R41	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R42	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R46	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R47	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R88	1	R-CHIP,100Kohm,5%,1/16W,DA,TP,1005	2007-000162	
R132	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R292	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R299	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R300	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R304	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R48	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R93	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R94	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	

Design LOC	Q	DESCRIPTION	SEC	REMARK
R95	1	R-CHIP,0ohm,5%,1/16W,DA,TP,1005	2007-000171	
R102	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R118	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R119	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R120	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R121	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R122	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R123	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R124	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R125	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R247	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R259	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R263	1	R-CHIP,10ohm,5%,1/16W,DA,TP,1005	2007-000172	
R264	1	R-CHIP,22ohm,5%,1/16W,DA,TP,1005	2007-000173	
R265	1	R-CHIP,22ohm,5%,1/16W,DA,TP,1005	2007-000173	
R116	1	R-CHIP,47ohm,5%,1/16W,DA,TP,1005	2007-000174	
R117	1	R-CHIP,47ohm,5%,1/16W,DA,TP,1005	2007-000174	
R169	1	R-CHIP,10Mohm,5%,1/16W,DA,TP,1608	2007-000305	
R290	1	R-CHIP,470ohm,5%,1/16W,DA,TP,1005	2007-000932	
R291	1	R-CHIP,470ohm,5%,1/16W,DA,TP,1005	2007-000932	
R141	1	R-CHIP,82ohm,5%,1/16W,DA,TP,1005	2007-001217	
R134	1	R-CHIP,18ohm,5%,1/16W,DA,TP,1005	2007-001288	
R135	1	R-CHIP,18ohm,5%,1/16W,DA,TP,1005	2007-001288	
R136	1	R-CHIP,18ohm,5%,1/16W,DA,TP,1005	2007-001288	
R137	1	R-CHIP,18ohm,5%,1/16W,DA,TP,1005	2007-001288	
R266	1	R-CHIP,33ohm,5%,1/16W,DA,TP,1005	2007-001292	
R129	1	R-CHIP,51ohm,5%,1/16W,DA,TP,1005	2007-001298	
R160	1	R-CHIP,51ohm,5%,1/16W,DA,TP,1005	2007-001298	
R162	1	R-CHIP,68ohm,5%,1/16W,DA,TP,1005	2007-001301	
R163	1	R-CHIP,68ohm,5%,1/16W,DA,TP,1005	2007-001301	
R138	1	R-CHIP,120ohm,5%,1/16W,DA,TP,1005	2007-001305	
R152	1	R-CHIP,120ohm,5%,1/16W,DA,TP,1005	2007-001305	
R153	1	R-CHIP,120ohm,5%,1/16W,DA,TP,1005	2007-001305	
R161	1	R-CHIP,120ohm,5%,1/16W,DA,TP,1005	2007-001305	
R106	1	R-CHIP,150ohm,5%,1/16W,DA,TP,1005	2007-001306	
R164	1	R-CHIP,150ohm,5%,1/16W,DA,TP,1005	2007-001306	
R133	1	R-CHIP,180ohm,5%,1/16W,DA,TP,1005	2007-001307	
R50	1	R-CHIP,200ohm,5%,1/16W,DA,TP,1005	2007-001308	
R11	1	R-CHIP,1.2Kohm,5%,1/16W,DA,TP,1005	2007-001319	
R14	1	R-CHIP,1.2Kohm,5%,1/16W,DA,TP,1005	2007-001319	
R295	1	R-CHIP,1.2Kohm,5%,1/16W,DA,TP,1005	2007-001319	
R296	1	R-CHIP,1.2Kohm,5%,1/16W,DA,TP,1005	2007-001319	
R103	1	R-CHIP,3.3Kohm,5%,1/16W,DA,TP,1005	2007-001325	
R267	1	R-CHIP,15OHM,5%,1/16W,DA,TP,1005	2007-002965	
R115	1	R-CHIP,300OHM,5%,1/16W,DA,TP,1005	2007-007008	
R274	1	R-CHIP,300OHM,5%,1/16W,DA,TP,1005	2007-007008	

Design LOC	Q	DESCRIPTION	SEC	REMARK
R114	1	R-CHIP,75KOHM,5%,1/16W,DA,TP,1005	2007-007021	
R7	1	R-CHIP,475Kohm,1%,1/16W,DA,TP,1005	2007-007098	
R278	1	R-CHIP,18Kohm,1%,1/16W,DA,TP,1005	2007-007135	
R158	1	R-CHIP,4.7Kohm,1%,1/16W,DA,TP,1005	2007-007136	
R154	1	R-CHIP,1.2Kohm,1%,1/16W,DA,TP,1005	2007-007137	
R91	1	R-CHIP,27Kohm,1%,1/16W,DA,TP,1005	2007-007138	
R111	1	R-CHIP,10Kohm,1%,1/16W,DA,TP,1005	2007-007142	
R150	1	R-CHIP,10Kohm,1%,1/16W,DA,TP,1005	2007-007142	
R277	1	R-CHIP,12Kohm,1%,1/16W,DA,TP,1005	2007-007309	
R151	1	R-CHIP,22Kohm,1%,1/16W,DA,TP,1005	2007-007311	
R157	1	R-CHIP,20Kohm,1%,1/16W,DA,TP,1005	2007-007312	
R76	1	R-CHIP,20Kohm,1%,1/16W,DA,TP,1005	2007-007312	
R126	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R127	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R144	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R145	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R146	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R147	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R148	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R149	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R156	1	R-CHIP,6.8Kohm,1%,1/16W,DA,TP,1005	2007-007313	
R51	1	R-CHIP,200Kohm,1%,1/16W,DA,TP,1005	2007-007334	
R276	1	R-CHIP,7.5Kohm,1%,1/16W,DA,TP,1005	2007-007470	
R56	1	R-CHIP,150Kohm,1%,1/16W,DA,TP,1005	2007-007489	
R57	1	R-CHIP,91Kohm,1%,1/16W,DA,TP,1005	2007-007529	
R271	1	R-CHIP,56Kohm,1%,1/16W,DA,TP,1005	2007-007538	
R155	1	R-CHIP,1.8Kohm,1%,1/16W,DA,TP,1005	2007-007588	
R55	1	R-CHIP,68Kohm,1%,1/16W,DA,TP,1005	2007-007589	
R77	1	R-CHIP,82Kohm,1%,1/16W,DA,TP,1005	2007-007590	
R279	1	R-CHIP,270Kohm,1%,1/16W,DA,TP,1005	2007-007592	
C112	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C113	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C114	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C115	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C116	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C117	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C119	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C120	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C121	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C162	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C23	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C24	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C241	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C242	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C244	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C25	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	

Design LOC	Q	DESCRIPTION	SEC	REMARK
C26	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C70	1	C-CERAMIC,CHIP,100pF,5%,50V,NPO,TP,1005,-	2203-000233	
C100	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C102	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C103	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C104	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C105	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C106	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C107	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C125	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C217	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C225	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C226	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C280	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C296	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C297	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C45	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C46	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C66	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C69	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C74	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C90	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C94	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C95	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C96	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C97	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C98	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C99	1	C-CERAMIC,CHIP,10nF,10%,16V,X7R,TP,1005,-	2203-000254	
C147	1	C-CERAMIC,CHIP,10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278	
C149	1	C-CERAMIC,CHIP,10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278	
C150	1	C-CERAMIC,CHIP,10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278	
C152	1	C-CERAMIC,CHIP,10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278	
C245	1	C-CERAMIC,CHIP,10pF,0.5pF,50V,NPO,TP,1005,-	2203-000278	
C209	1	C-CERAMIC,CHIP,150pF,5%,50V,NPO,TP,1005,-	2203-000359	
C246	1	C-CERAMIC,CHIP,15pF,5%,50V,NPO,TP,1005,-	2203-000386	
C269	1	C-CERAMIC,CHIP,15pF,5%,50V,NPO,TP,1005,-	2203-000386	
C271	1	C-CERAMIC,CHIP,15pF,5%,50V,NPO,TP,1005,-	2203-000386	
C54	1	C-CERAMIC,CHIP,15pF,5%,50V,NPO,TP,1005,-	2203-000386	
C144	1	C-CERAMIC,CHIP,18pF,5%,50V,NPO,TP,1005,-	2203-000425	
C179	1	C-CERAMIC,CHIP,18pF,5%,50V,NPO,TP,1005,-	2203-000425	
C183	1	C-CERAMIC,CHIP,18pF,5%,50V,NPO,TP,1005,-	2203-000425	
C184	1	C-CERAMIC,CHIP,18pF,5%,50V,NPO,TP,1005,-	2203-000425	
C109	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C110	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C131	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C132	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	

Design LOC	Q	DESCRIPTION	SEC	REMARK
C134	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C135	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C136	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C137	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C139	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C140	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C142	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C143	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C240	1	C-CERAMIC,CHIP,1nF,10%,50V,X7R,TP,1005,-	2203-000438	
C122	1	C-CERAMIC,CHIP,1pF,0.25pF,50V,NPO,TP,1005,-	2203-000466	
C189	1	C-CERAMIC,CHIP,1pF,0.25pF,50V,NPO,TP,1005,-	2203-000466	
C207	1	C-CERAMIC,CHIP,1pF,0.25pF,50V,NPO,TP,1005,-	2203-000466	
C176	1	C-CERAMIC,CHIP,220pF,10%,50V,X7R,TP,1005,-	2203-000585	
C177	1	C-CERAMIC,CHIP,22pF,5%,50V,NPO,TP,1005,-	2203-000628	
C178	1	C-CERAMIC,CHIP,22pF,5%,50V,NPO,TP,1005,-	2203-000628	
C164	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C165	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C194	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C195	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C196	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C239	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C270	1	C-CERAMIC,CHIP,24pF,5%,50V,NPO,TP,1005,-	2203-000643	
C126	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C127	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C128	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C129	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C130	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C157	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C158	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C160	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C161	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C222	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C223	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C227	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C228	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C238	1	C-CERAMIC,CHIP,27pF,5%,50V,NPO,TP,1005,-	2203-000679	
C185	1	C-CERAMIC,CHIP,2pF,0.25pF,50V,NPO,TP,1005,-	2203-000696	
C186	1	C-CERAMIC,CHIP,2pF,0.25pF,50V,NPO,TP,1005,-	2203-000696	
C187	1	C-CERAMIC,CHIP,2pF,0.25pF,50V,NPO,TP,1005,-	2203-000696	
C201	1	C-CERAMIC,CHIP,33pF,5%,50V,NPO,TP,1005,-	2203-000812	
C202	1	C-CERAMIC,CHIP,33pF,5%,50V,NPO,TP,1005,-	2203-000812	
C204	1	C-CERAMIC,CHIP,33pF,5%,50V,NPO,TP,1005,-	2203-000812	
C267	1	C-CERAMIC,CHIP,33pF,5%,50V,NPO,TP,1005,-	2203-000812	
C293	1	C-CERAMIC,CHIP,33pF,5%,50V,NPO,TP,1005,-	2203-000812	
C294	1	C-CERAMIC,CHIP,39pF,5%,50V,NPO,TP,1005,-	2203-000854	
C295	1	C-CERAMIC,CHIP,39pF,5%,50V,NPO,TP,1005,-	2203-000854	

Design LOC	Q	DESCRIPTION	SEC	REMARK
C166	1	C-CERAMIC,CHIP,3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870	
C167	1	C-CERAMIC,CHIP,3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870	
C211	1	C-CERAMIC,CHIP,3pF,0.25pF,50V,NPO,TP,1005,-	2203-000870	
C2	1	C-CERAMIC,CHIP,47pF,5%,50V,NPO,TP,1005,-	2203-000995	
C289	1	C-CERAMIC,CHIP,47pF,5%,50V,NPO,TP,1005,-	2203-000995	
C156	1	C-CERAMIC,CHIP,4pF,0.25pF,50V,NPO,TP,1005,-	2203-001017	
C203	1	C-CERAMIC,CHIP,4pF,0.25pF,50V,NPO,TP,1005,-	2203-001017	
C224	1	C-CERAMIC,CHIP,5.6nF,10%,25V,X7R,TP,1005,-	2203-001033	
C200	1	C-CERAMIC,CHIP,820pF,10%,50V,X7R,TP,1005,-	2203-001221	
C212	1	C-CERAMIC,CHIP,8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259	
C213	1	C-CERAMIC,CHIP,8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259	
C214	1	C-CERAMIC,CHIP,8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259	
C237	1	C-CERAMIC,CHIP,8pF,0.5pF,50V,NPO,TP,1005,-	2203-001259	
C123	1	C-CERAMIC,CHIP,0.5pF,0.25pF,50V,NPO,TP,1005,-	2203-001383	
C154	1	C-CERAMIC,CHIP,0.5pF,0.25pF,50V,NPO,TP,1005,-	2203-001383	
C205	1	C-CERAMIC,CHIP,0.5pF,0.25pF,50V,NPO,TP,1005,-	2203-001383	
C188	1	C-CERAMIC,CHIP,1.5pF,0.25pF,50V,NPO,TP,1005,1	2203-001385	
C229	1	C-CERAMIC,CHIP,47nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001432	
C278	1	C-CERAMIC,CHIP,47nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001432	
C279	1	C-CERAMIC,CHIP,47nF,10%,16V,Y5V,TP,1005,1.0mm	2203-001432	
C153	1	C-CERAMIC,CHIP,5pF,0.25pF,50V,X7R,TP,1005,1.0	2203-001437	
C52	1	C-CERAMIC,CHIP,2.2uF,+80-20%,16V,Y5V,TP,2012,	2203-001598	
C55	1	C-CERAMIC,CHIP,2.2uF,+80-20%,16V,Y5V,TP,2012,	2203-001598	
C56	1	C-CERAMIC,CHIP,2.2uF,+80-20%,16V,Y5V,TP,2012,	2203-001598	
C59	1	C-CERAMIC,CHIP,2.2uF,+80-20%,16V,Y5V,TP,2012,	2203-001598	
C60	1	C-CERAMIC,CHIP,2.2uF,+80-20%,16V,Y5V,TP,2012,	2203-001598	
C72	1	C-CERAMIC,CHIP,2.2uF,+80-20%,16V,Y5V,TP,2012,	2203-001598	
C198	1	C-CERAMIC,CHIP,330pF,10%,50V,X7R,TP,1005,-	2203-002443	
C174	1	C-CERAMIC,CHIP,560pF,10%,50V,X7R,TP,1005,-	2203-002525	
C175	1	C-CERAMIC,CHIP,560pF,10%,50V,X7R,TP,1005,-	2203-002525	
C199	1	C-CERAMIC,CHIP,560pF,10%,50V,X7R,TP,1005,-	2203-002525	
C20	1	C-CERAMIC,CHIP,51pF,5%,50V,CH,TP,1005,-	2203-002968	
C151	1	C-CERAMIC,CHIP,9PF,0.25PF,50V,CH,TP,1005,-	2203-003054	
C243	1	C-CERAMIC,CHIP,9PF,0.25PF,50V,CH,TP,1005,-	2203-003054	
C145	1	C-CERAMIC,CHIP,1.8pF,0.25pF,50V,NPO,TP,1005,-	2203-005050	
C155	1	C-CERAMIC,CHIP,3.3pF,0.25pF,50V,NPO,TP,1005,-	2203-005052	
C170	1	C-CERAMIC,CHIP,8.2pF,0.25pF,50V,NPO,TP,1005,-	2203-005057	
C171	1	C-CERAMIC,CHIP,8.2pF,0.25pF,50V,NPO,TP,1005,-	2203-005057	
C172	1	C-CERAMIC,CHIP,8.2pF,0.25pF,50V,NPO,TP,1005,-	2203-005057	
C173	1	C-CERAMIC,CHIP,8.2pF,0.25pF,50V,NPO,TP,1005,-	2203-005057	
C10	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C11	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C12	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C13	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C16	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C219	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	

Design LOC	Q	DESCRIPTION	SEC	REMARK
C22	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C220	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C250	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C251	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C252	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C253	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C255	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C256	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C257	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C258	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C259	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C260	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C261	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C272	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C273	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C28	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C287	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C288	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C290	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C291	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C30	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C32	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C33	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C34	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C35	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C36	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C37	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C38	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C4	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C40	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C41	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C43	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C48	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C5	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C6	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C62	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C7	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C8	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C9	1	C-CERAMIC,CHIP,100nF,+80-20%,16V,Y5V,TP,1005,	2203-005061	
C254	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C282	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C283	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C284	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C285	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C31	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C58	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	

Design LOC	Q	DESCRIPTION	SEC	REMARK
C64	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C76	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C77	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C78	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C81	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C88	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C89	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C91	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C92	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C93	1	C-CERAMIC,CHIP,1uF,+80-20%,10V,Y5V,TP,1608,-	2203-005065	
C146	1	C-CERAMIC,CHIP,1.2pF,0.25pF,50V,NPO,TP,1005,0	2203-005234	
C87	1	C-FILM,CHIP,22nF,5%,16V,TP,3.2x1.6x0.8,-	2301-001199	
C82	1	C-FILM,CHIP,6.8nF,5%,16V,TP,2012,-	2301-001213	
C80	1	C-FILM,CHIP,10nF,5%,16V,TP,2012,-	2301-001230	
C84	1	C-FILM,CHIP,680pF,5%,50V,TP,2012,-	2301-001231	
C83	1	C-FILM,CHIP,470pF,5%,50V,TP,2012,-	2301-001232	
C79	1	C-FILM,CHIP,2.2nF,5%,50V,TP,2012,-	2301-001233	
C263	1	C-TA,CHIP,3.3uF,20%,16V,-,TP,3216,-	2404-000335	
C264	1	C-TA,CHIP,3.3uF,20%,16V,-,TP,3216,-	2404-000335	
C42	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C49	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C50	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C51	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C57	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C61	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C63	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C65	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C73	1	C-TA,CHIP,10uF,20%,10V,GP,TP,3216,3.2	2404-001020	
C44	1	C-TA,CHIP,220uF,20%,6.3V,LZ,TP,7125,-	2404-001083	
C67	1	C-TA,CHIP,220uF,20%,6.3V,LZ,TP,7125,-	2404-001083	
C86	1	C-TA,CHIP,220uF,20%,6.3V,LZ,TP,7125,-	2404-001083	
C14	1	C-TA,CHIP,10UF,20%,6.3V,GP,TP,2012	2404-001105	
C262	1	C-TA,CHIP,10UF,20%,6.3V,GP,TP,2012	2404-001105	
L17	1	INDUCTOR-SMD,47nH,5%,2.29x1.73x1.52mm	2703-001044	
L18	1	INDUCTOR-SMD,47nH,5%,2.29x1.73x1.52mm	2703-001044	
L22	1	INDUCTOR-SMD,120nH,5%,2.29x1.73x1.52mm	2703-001069	
L23	1	INDUCTOR-SMD,27nH,10%,1x0.5x0.5mm	2703-001181	
L5	1	INDUCTOR-SMD,1.5nH,0.3nH,1.6x0.8x0.8mm	2703-001267	
L1	1	INDUCTOR-SMD,47uH,20%,6.6x4.45x2.5mm	2703-001556	
L13	1	INDUCTOR-SMD,33nH,5%,1.0x0.5x0.5mm	2703-001723	
L14	1	INDUCTOR-SMD,33nH,5%,1.0x0.5x0.5mm	2703-001723	
L24	1	INDUCTOR-SMD,8.2nH,5%,1x0.5x0.5mm	2703-001733	
L8	1	INDUCTOR-SMD,6.8nH,5%,1x0.5x0.5mm	2703-001734	
L2	1	INDUCTOR-SMD,2.7nH,0.3nH,1x0.5x0.5mm	2703-001737	
L20	1	INDUCTOR-SMD,68nH,5%,2.29x1.73x1.52mm	2703-001745	
L19	1	INDUCTOR-SMD,82nH,5%,2.29x1.73x1.52mm	2703-001746	

Design LOC	Q	DESCRIPTION	SEC	REMARK
L10	1	INDUCTOR-SMD,4.7nH,0.3nH,1.0x0.5x0.5mm	2703-001747	
L12	1	INDUCTOR-SMD,4.7nH,0.3nH,1.0x0.5x0.5mm	2703-001747	
L15	1	INDUCTOR-SMD,4.7nH,0.3nH,1.0x0.5x0.5mm	2703-001747	
L27	1	INDUCTOR-SMD,4.7nH,0.3nH,1.0x0.5x0.5mm	2703-001747	
L6	1	INDUCTOR-SMD,4.7nH,0.3nH,1.0x0.5x0.5mm	2703-001747	
L7	1	INDUCTOR-SMD,3.9nH,0.3nH,1.0x0.5x0.5mm	2703-001751	
L25	1	INDUCTOR-SMD,10UH,20%,4.45X6.6X2.5MM	2703-001781	
L11	1	INDUCTOR-SMD,10NH,5%,1.0X0.5X0.5MM	2703-001786	
L4	1	INDUCTOR-SMD,10NH,5%,1.0X0.5X0.5MM	2703-001786	
L9	1	INDUCTOR-SMD,10NH,5%,1.0X0.5X0.5MM	2703-001786	
L16	1	INDUCTOR-SMD,3.3NH,0.3NH,1.0X0.5X0.5MM	2703-001790	
OSC1	1	CRYSTAL-SMD,MC-156	2801-003760	
OSC4	1	OSCILLATOR-VCO,VOU0540N30KRA	2806-001176	
OSC3	1	OSCILLATOR-VCO,QVC101747RT-4042	2806-001195	
OSC2	1	OSCILLATOR-VCO,QVC101615RT-4041	2806-001196	
U22	1	OSCILLATOR-VTCXO13MHz,5ppm,10Kohm//10pF,TP,3V,	2809-001220	
E1	1	FILTER-EMI SMD,50V,300mA,-,470pF,2x1.25x0.5,T	2901-001116	
E4	1	FILTER-EMI SMD,50V,300mA,-,470pF,2x1.25x0.5,T	2901-001116	
E5	1	FILTER-EMI SMD,50V,300mA,-,470pF,2x1.25x0.5,T	2901-001116	
E6	1	FILTER-EMI SMD,50V,300mA,-,470pF,2x1.25x0.5,T	2901-001116	
E7	1	FILTER-EMI SMD,50V,300mA,-,470pF,2x1.25x0.5,T	2901-001116	
E2	1	FILTER-EMI SMD,NFM2012P13C474	2901-001162	
F3	1	FILTER-SAW,B4822	2904-001092	
F1	1	FILTER-SAW,FAR-G6CH-1G8425-L224	2904-001166	
F2	1	FILTER-SAW,FAR-G6CH-1G8425-L224	2904-001166	
U21	1	FILTER-DUPLEXER,SHS-L090D	2909-001086	
CN4	1	CONNECTOR-CARD EDGE,1-338063-9	3709-001121	
M1	1	CONNECTOR-SOCKET,24-8005-002-000-867	3710-001105	
M2	1	CONNECTOR-SOCKET,24-8005-002-000-867	3710-001105	
CN3	1	CONNECTOR-SOCKET,MQ/S179-SAA-18P/4	3710-001302	
CN1	1	CONNECTOR-SOCKET,AXK5F30535P	3710-001415	
CN5	1	JACK-PHONE,02-699B0-53BKA	3722-001303	
B1	1	BATTERY-POLYMER,PAS614L-VL3	4302-001026	
U29	1	COUPLER-DIRECTION,LDC15D190A007A	4709-001144	
-	1	SPEAKER,LT301	3001-001099	

2. Exploded View and its Parts List

2-1 Main Exploded View

2-2 Main Parts List

2-3 Test Zig

2-4 RF Cabel

2-5 Test Connection Method

2-6 Travel Adaptor

2-7 Travel Adaptor parts List

2-8 Ciger Light Adaptor

2-9 Ciger Light Adaptor Part List

2-10 Hands Free Kit Diagram

2-11 Hands Free Kit

2-11-1 Hands Free Kit Ass'y

2-12 Hands Free Car Kit Option

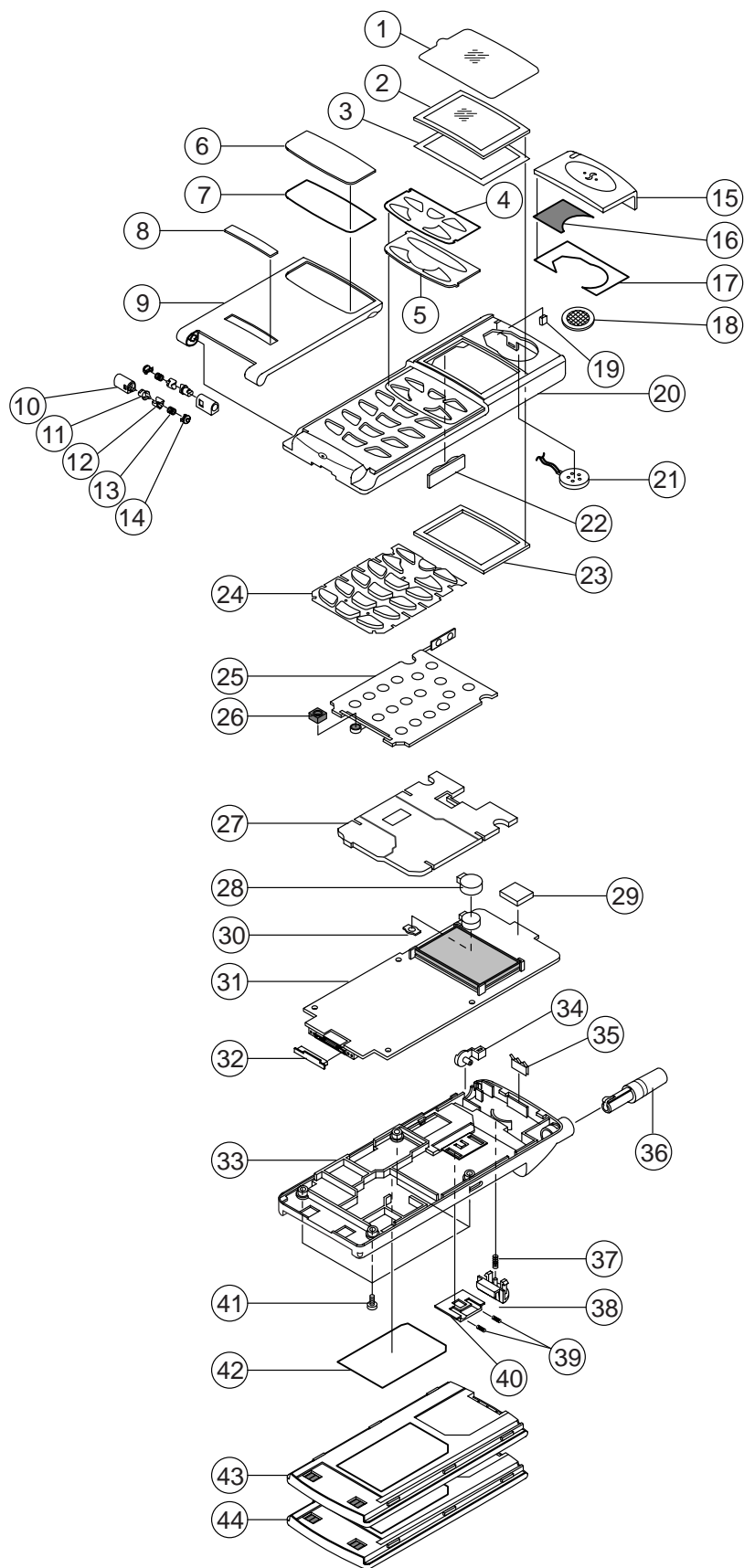
2-12-1 Hands Free Car Kit Ass'y

2-13 Hands Free Kit Packing

2-13-1 Hands Free Kit Packing Exploded View

2-13-2 Hands Free Kit Packing Parts List

2-1 Main Exploded View

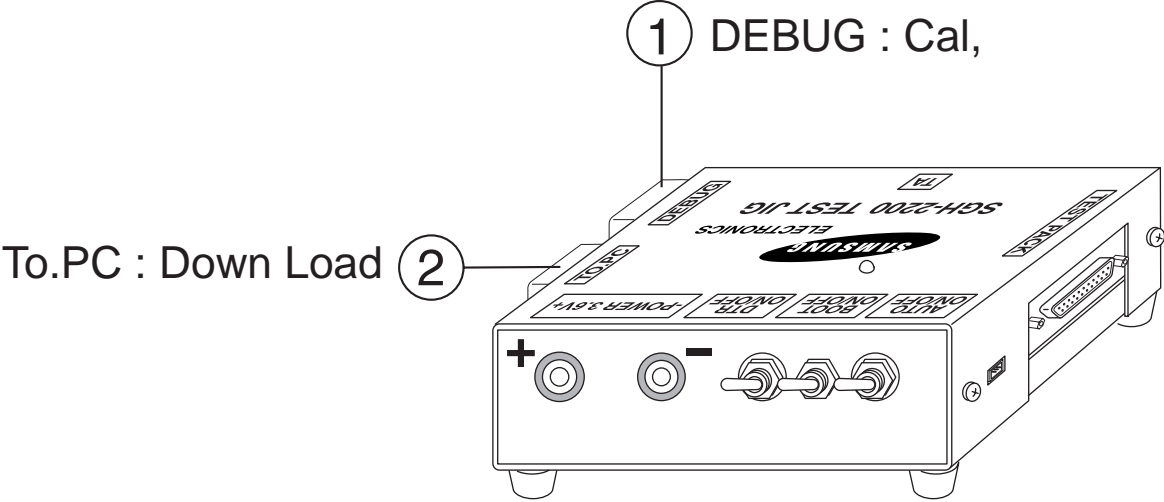


2-2 Main Parts List

NO	DESCRIPTION	SEC. CODE	Q'TY	REMARK
1	TAPE WINDOW BOHO	GH72-10001A	1	W
2	LCD WINDOW	GH72-00093A	1	W
3	WINDOW TAPE	GH74-00039A	1	W
4	DUMMY KEY	GH72-00108A	1	F
5	DUMMY KEY TAPE	GH74-00053A	1	F
6	DUMMY FLIP	GH72-00094A	1	FLIP
7	DUMMY FLIP TAPE	GH74-00038A	1	FLIP
8	LOGO BADGE	GH68-20008A	1	
9	FLIP COVER	GH68-20008A	1	FLIP
10	HINGE HOUSING	GH72-41293A	2	F
11	SHAFT HINGE	GH72-41554A	2	F
12	CAM HINGE	GH72-41055A	2	F
13	HINGE SPRING	GH70-10608A	2	F
14	HOUSING CAP	GH72-41056A	2	F
15	DUMMY FRONT	GH72-00084A	1	F
16	DUMMY MANFSA	GH74-00204A	1	F
17	DUMMY TAPE	GH74-00040A	1	F
18	SPEAKER MANGSA	GH74-00208A	1	
19	LED LENS	GH72-00082A	1	F
20	FRONT COVER	GH72-00083A	1	F
21	SPEAKER	GH39-00030A		1
22	VOLUME KEY	GH73-00025A	1	
23	LCD SPONGE	GH74-00041A	1	F
24	3X4 KEY	GH72-00095A	1	
25	KEY PCB	GH59-00041A	1	
26	MIC HOLDER	GH73-00026A	1	
27	SHIELD CAN	GH72-00089A	1	
28	BUZZER HOLDER	GH73-00024A	1	
29	SPONGE SPEAKER	GH74-00142A	1	
30	JACK-COVER	GH73-00116A	1	
31	MAIN PBA	GH92-00742A	1	
32	CONNECTOR COVER	GH73-40639A	1	
33	REAR COVER	GH72-00086A	1	R
34	EARPHONE COVER	GH73-00027A	1	
35	STRIP FINGER	GH71-10639A	1	R
36	ANTENA	GH42-00006A	1	
37	LOCKER SPRING	GH70-10516A	1	R
38	MAIN LOCKER	GH72-00087A	1	R
39	SIM SPRING	GH70-00006A	2	R
40	SIM COVER	GH72-00088A	1	R
41	SCREW M2X6	6001-001046A	4	
42	MAIN LABEL	GH68-00333A	1	
43	STD BATTERY (BTL1030MB)	GH43-10314A	1	
44	LONG BATTERY (BTL163DLB)	GH43-00089A	1	

W	WINDOW ASS'Y	GH97-00929A		
F	FRONT ASS'Y	GH97-00938A		
FLI	FLIP ASS'Y	GH97-00944A		
R	REAR ASS'Y	GH97-00935A		

2-3 Test Jig

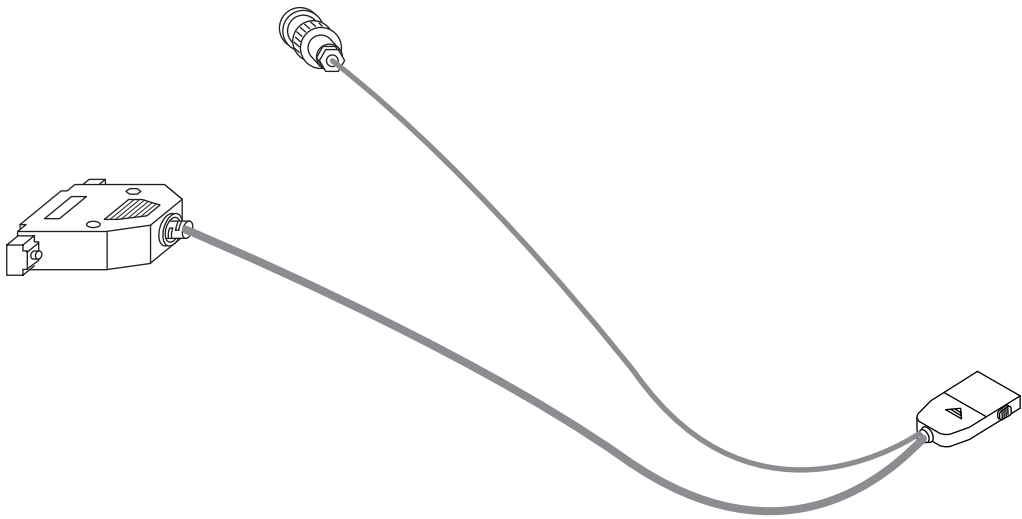


JIG

* Switch

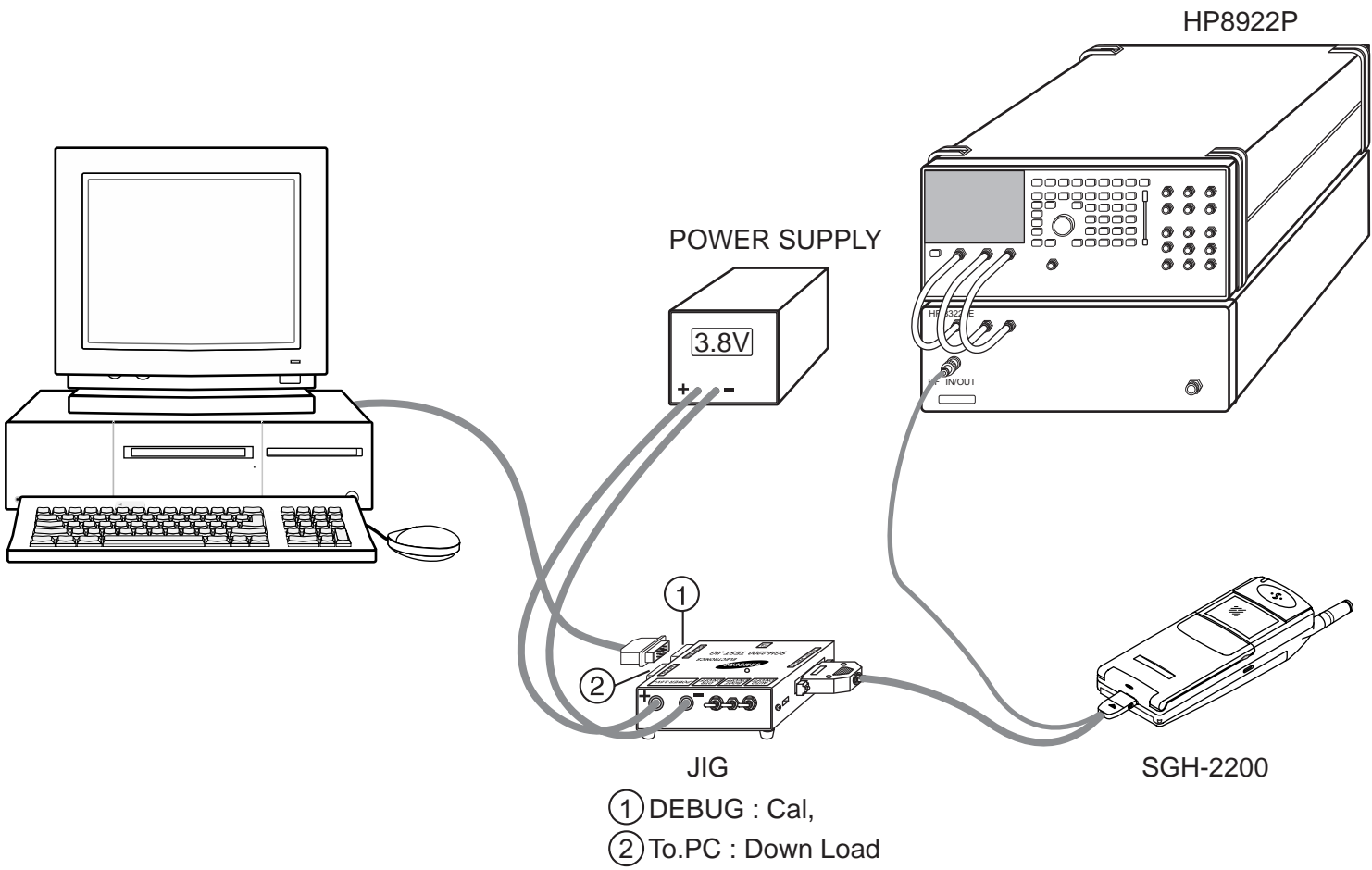
	DTR ON/OFF	BOOT ON/OFF	AUTO ON/OFF
Cal.	up	down	up
Down Load	up	up	up

2-4 RF Cabel

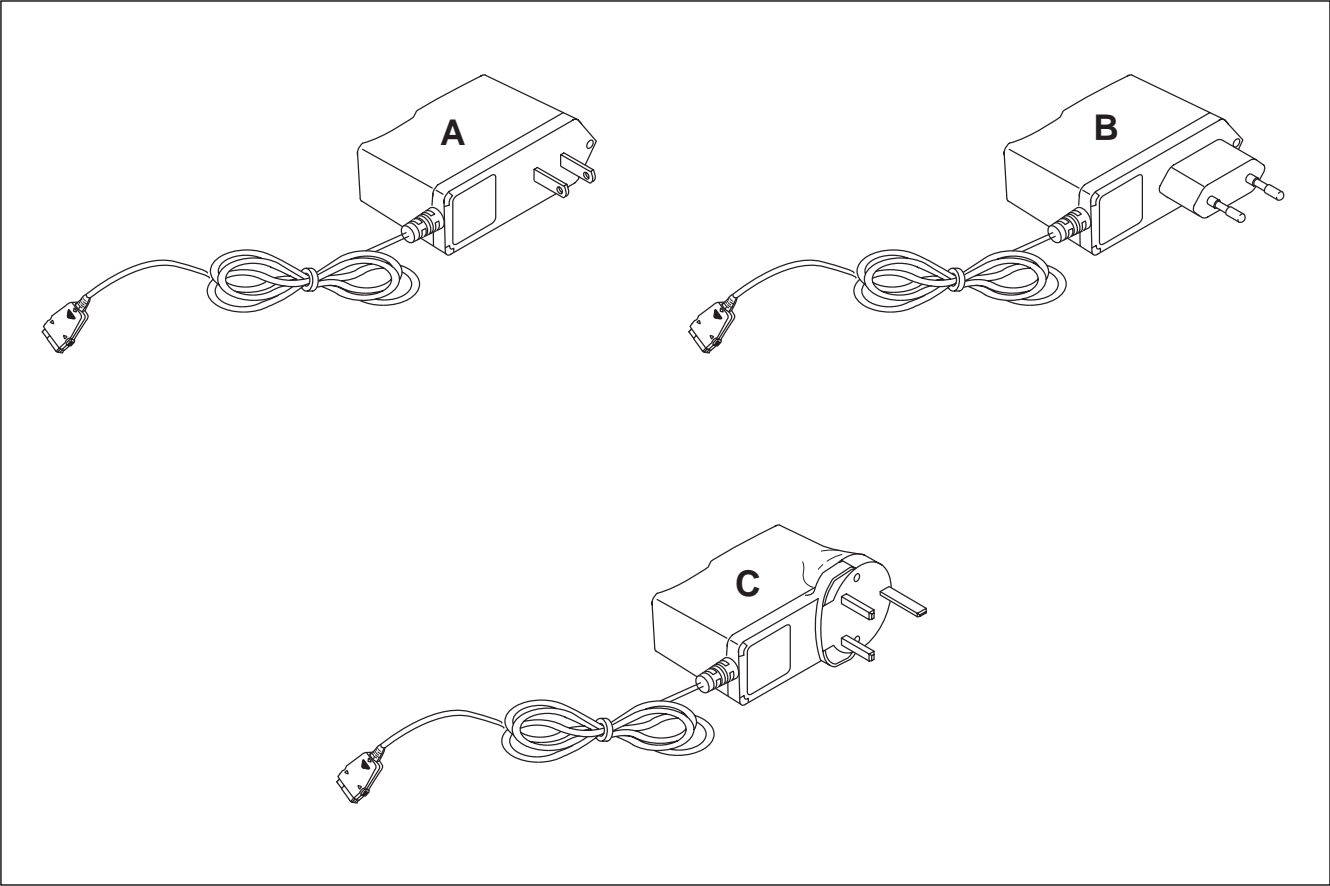


RF CABLE

2-5 Test Connection Method



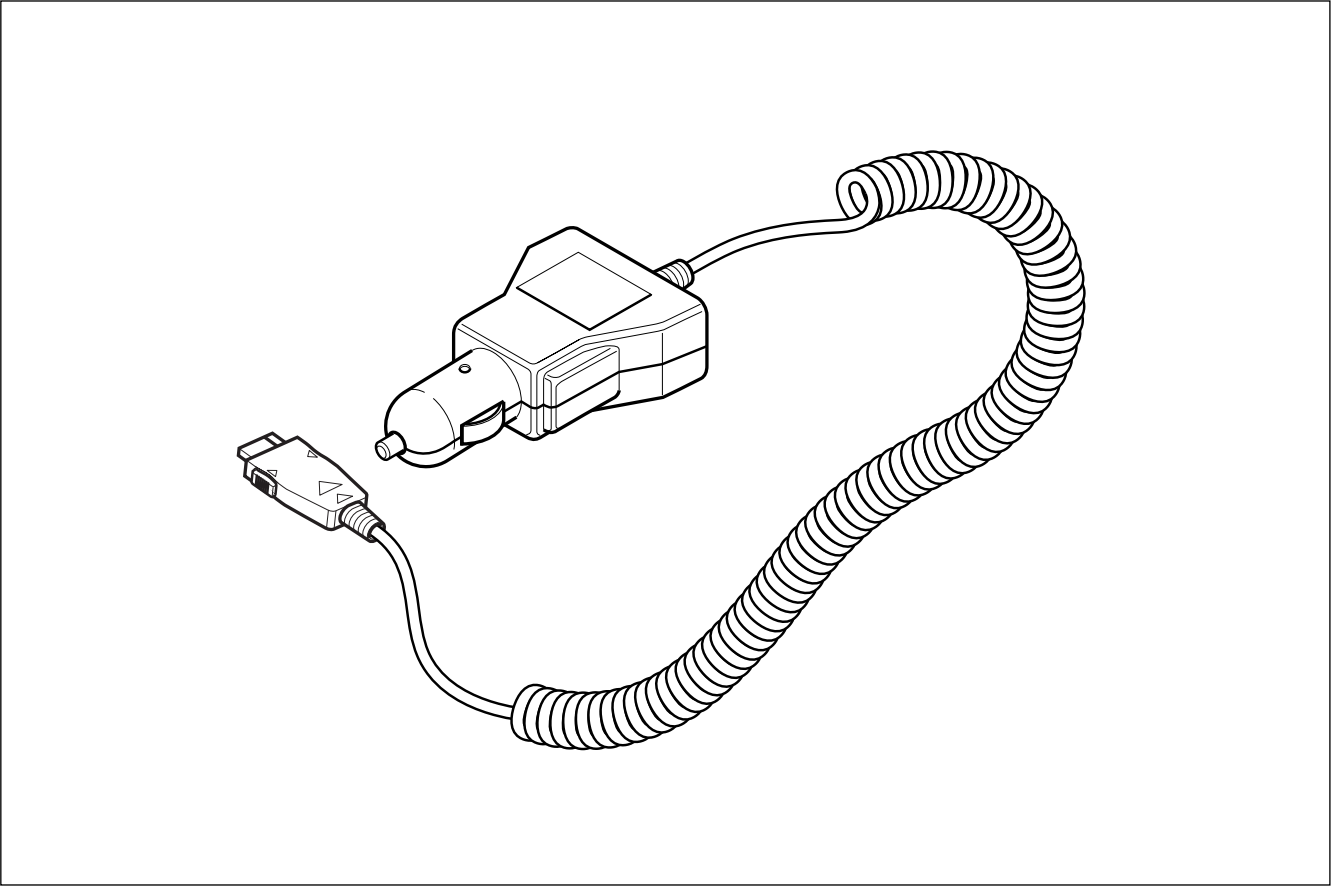
2-6 Travel Adaptor



2-7 Travel Adaptor Parts List

Type	SEC Code	Remark
A	GH44-30548A	CHINA
B	GH44-30549A	EUROPE
C	GH44-30547A	UNITED KINGDOM

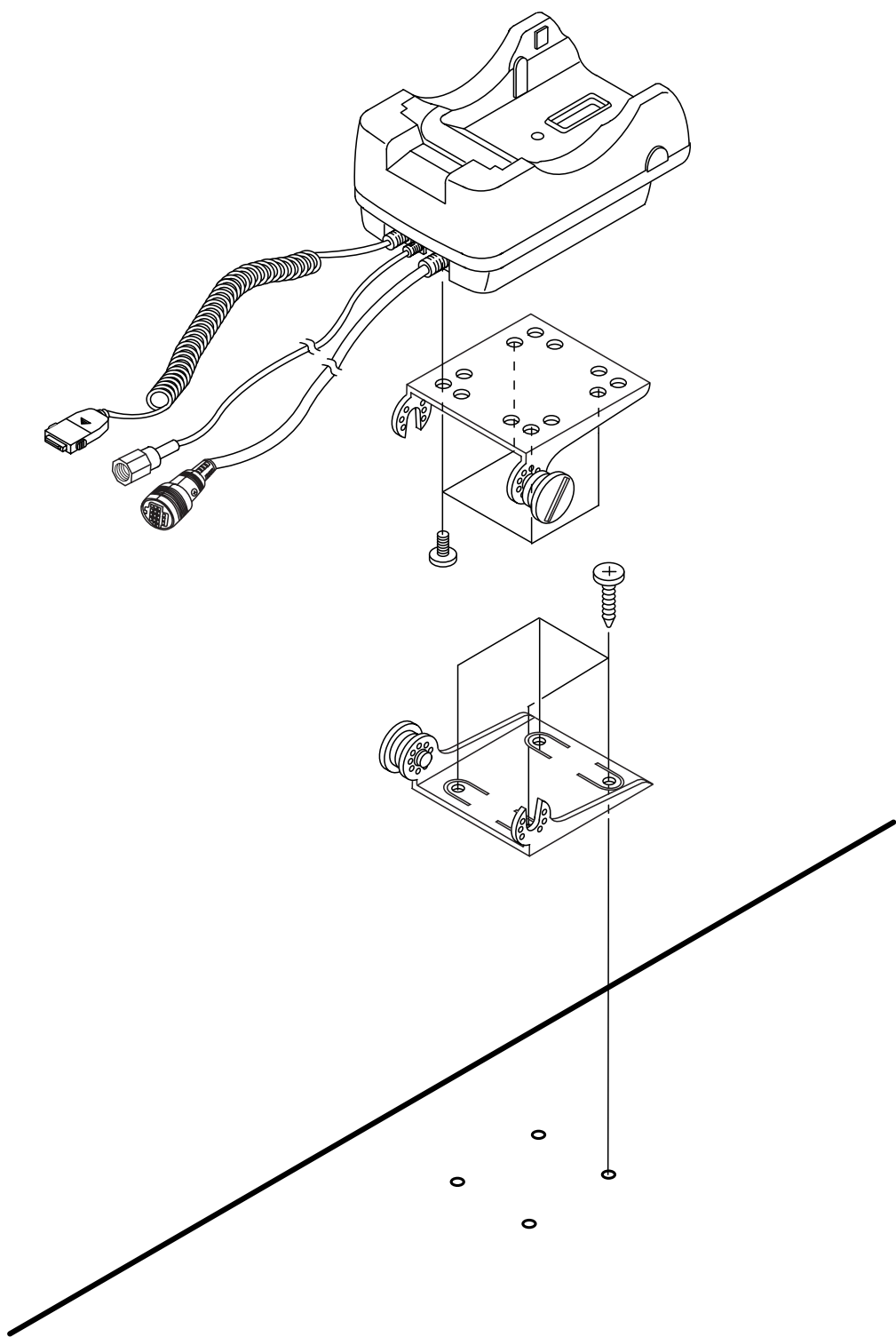
2-8 Ciger Light Adaptor



2-9 Ciger Light Adaptor Part List

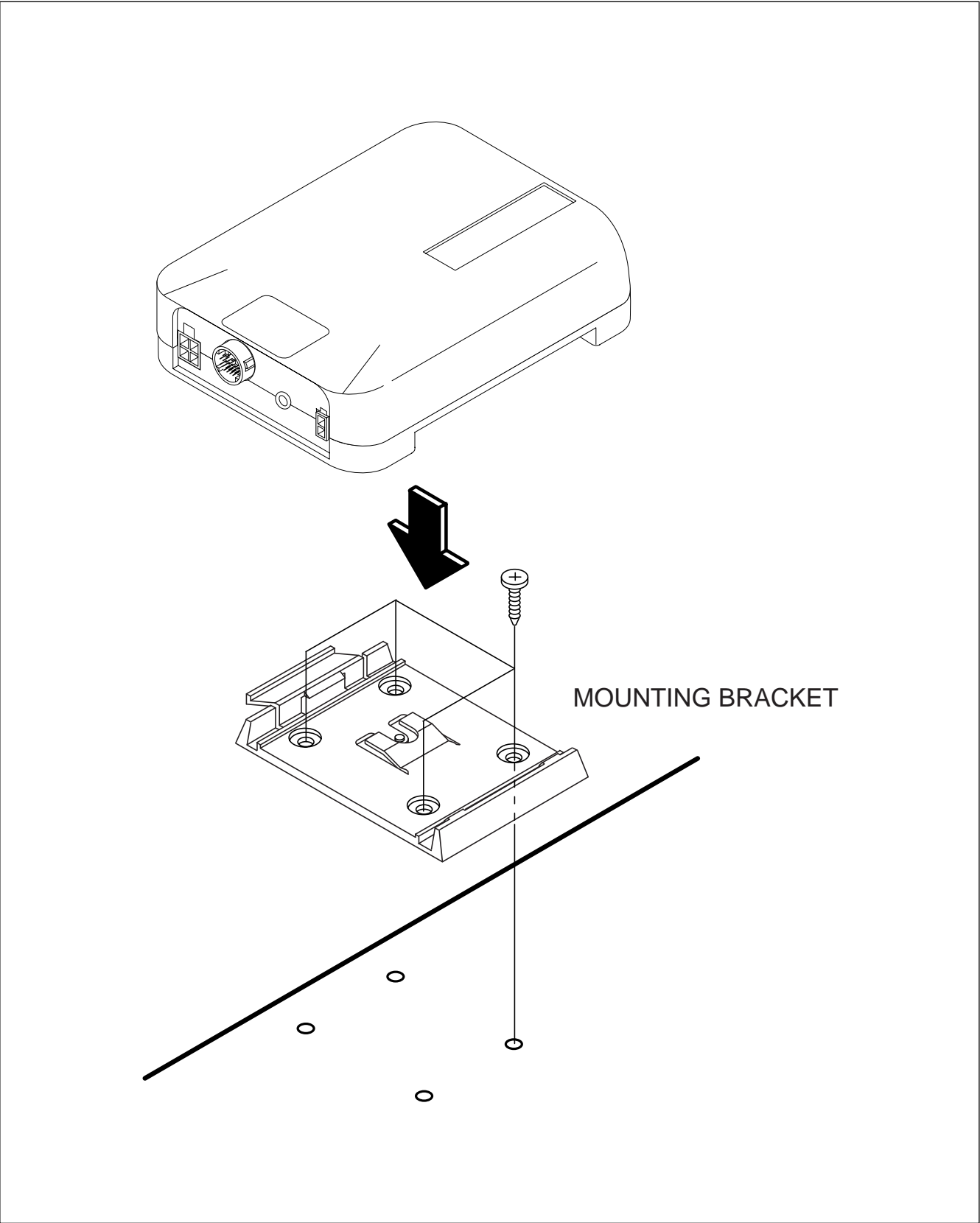
Description	SEC Code	Remark
Ciger Light Adaptor C0de	GH44-30546A	BLACK

2-10 Hands Free Kit Diagram



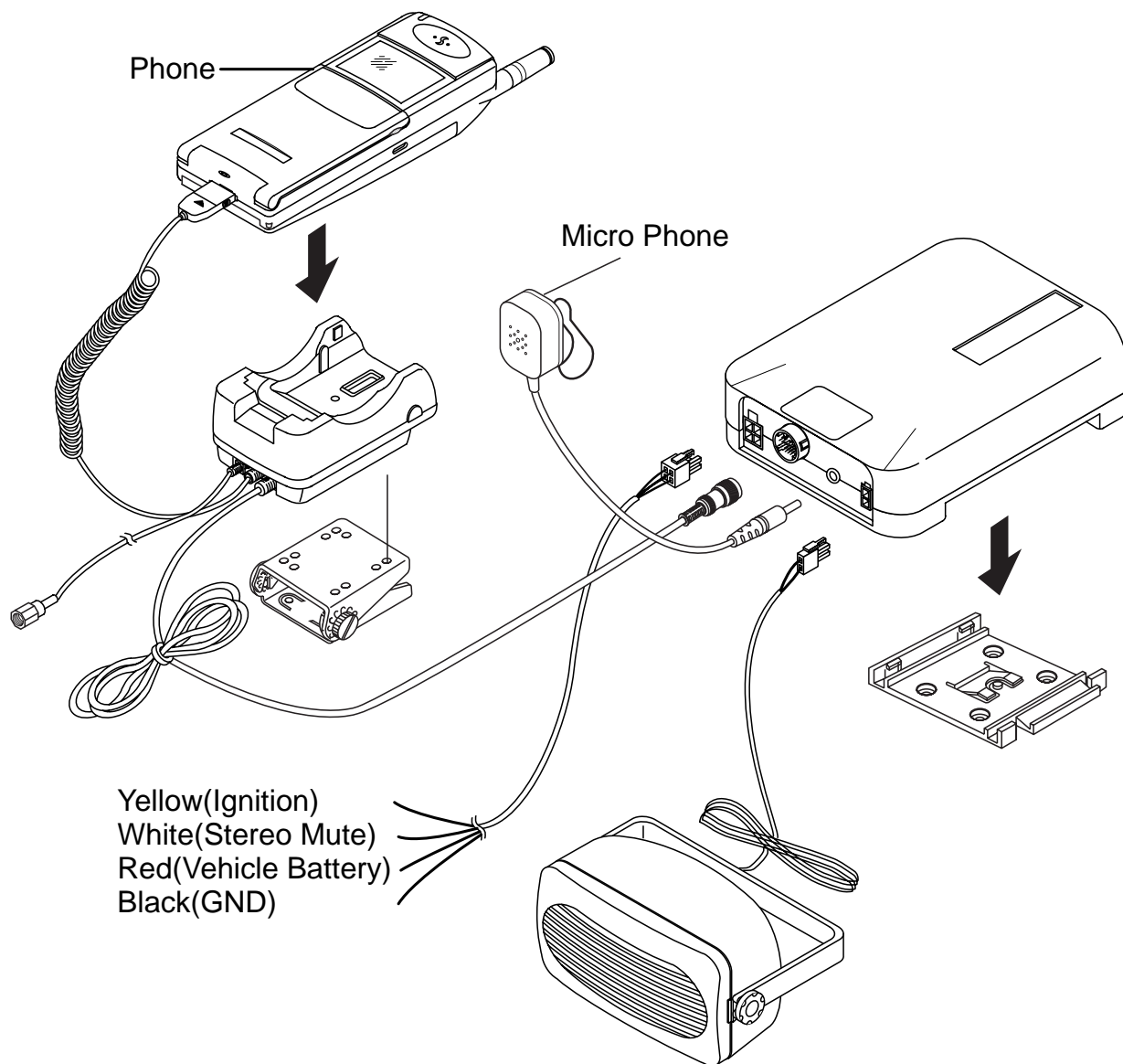
2-11 Hands Free Kit

2-11-1 Hands Free Kit Ass'y



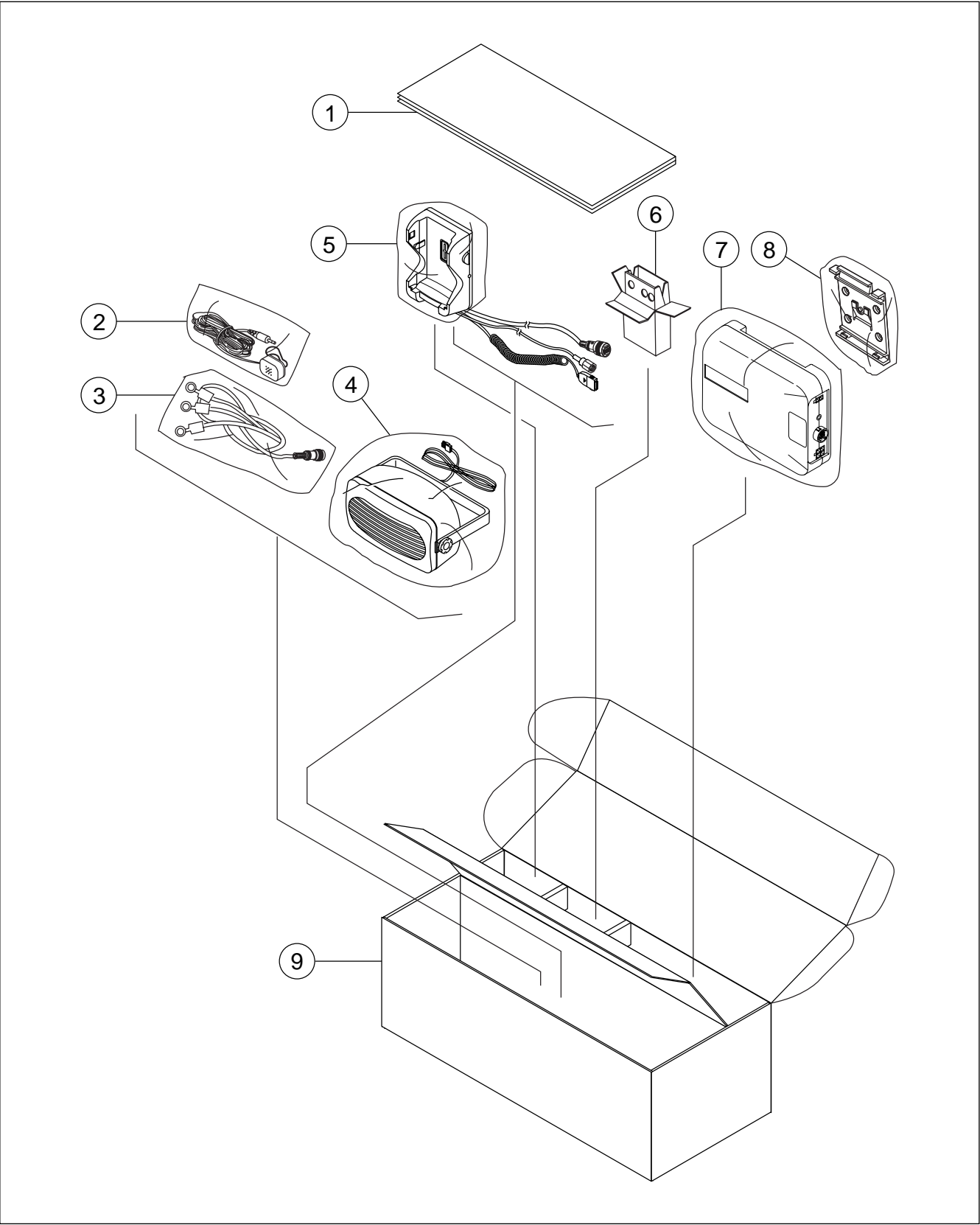
2-12 Hands Free Car Kit Option

2-12-1 Hands Free Car Kit Ass'y



2-13 Hands Free Kit Packing

2-13-1 Hands Free Kit Packing Exploded View

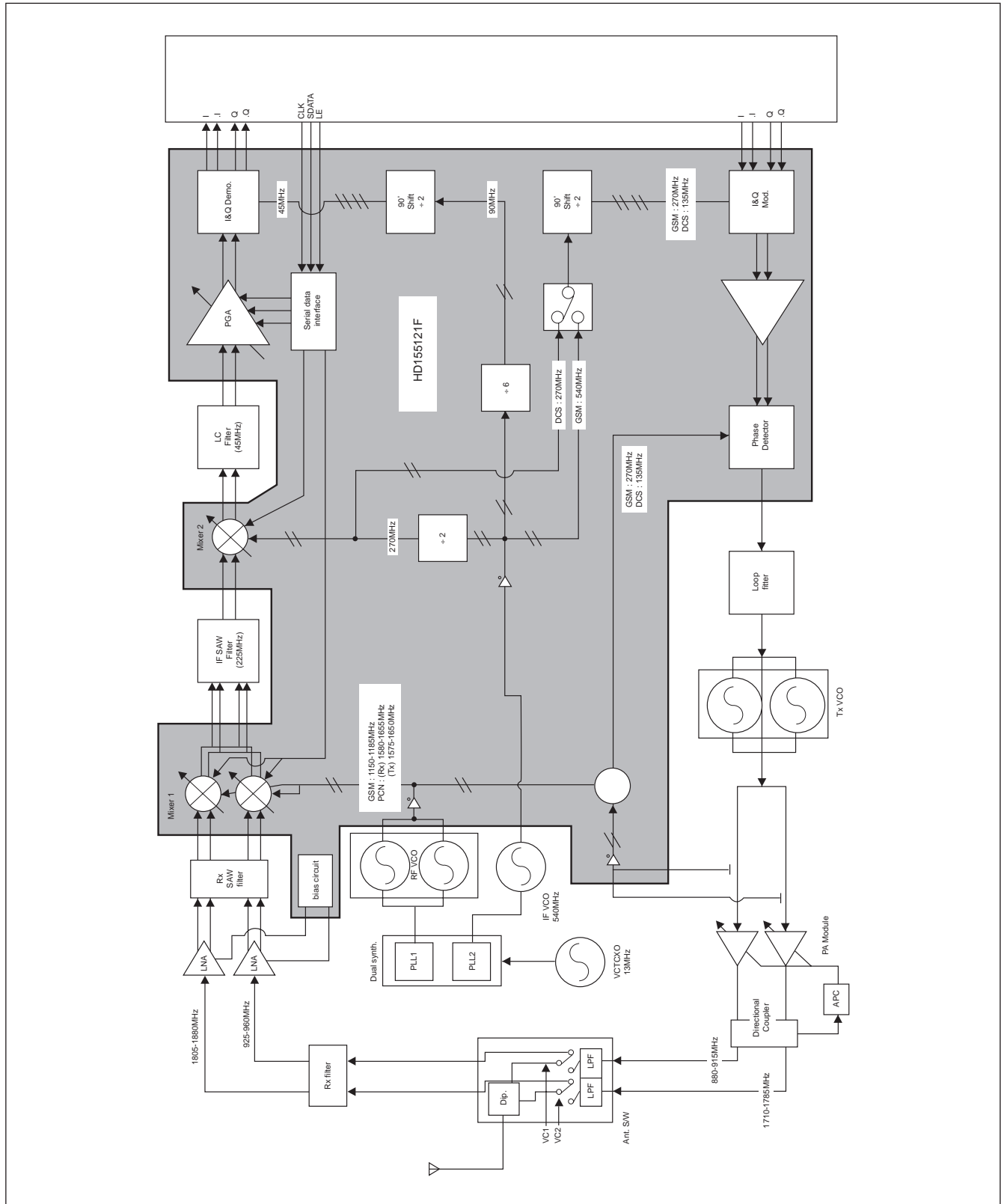


2-13-2 Hands Free Kit Packing Parts List

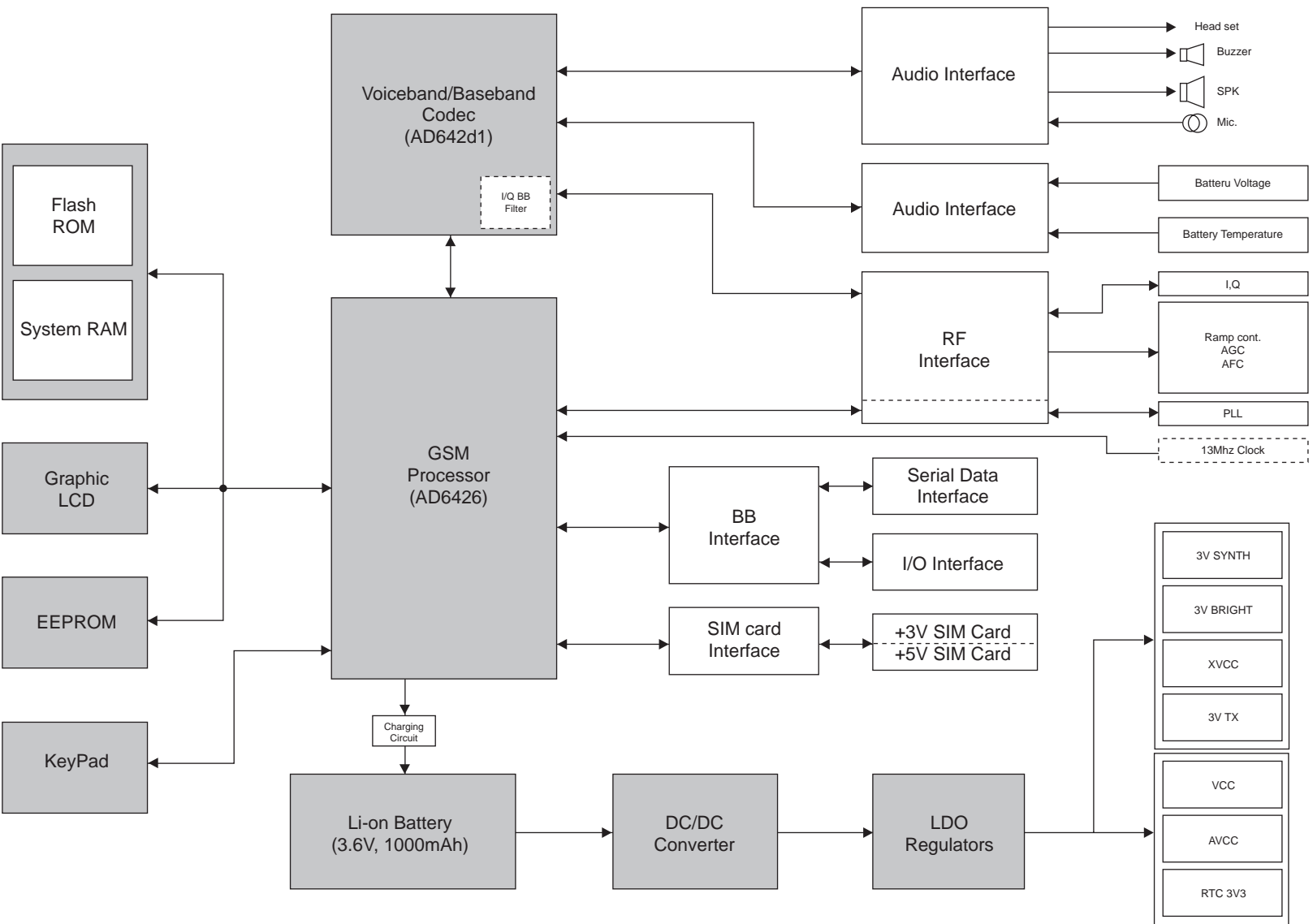
No	DESCRIPTION	CODE	Q'TY	REMARK
1	User Manual		1	
2	External Mic		1	
3	Power cable		1	
4	External speaker		1	
5	Cradle		1	
6	Install Bracket for cradle		1	
7	Hands free Box		1	
8	Install Bracket for hands-free box		1	
9	Unit Box		1	

3. Block Diagram

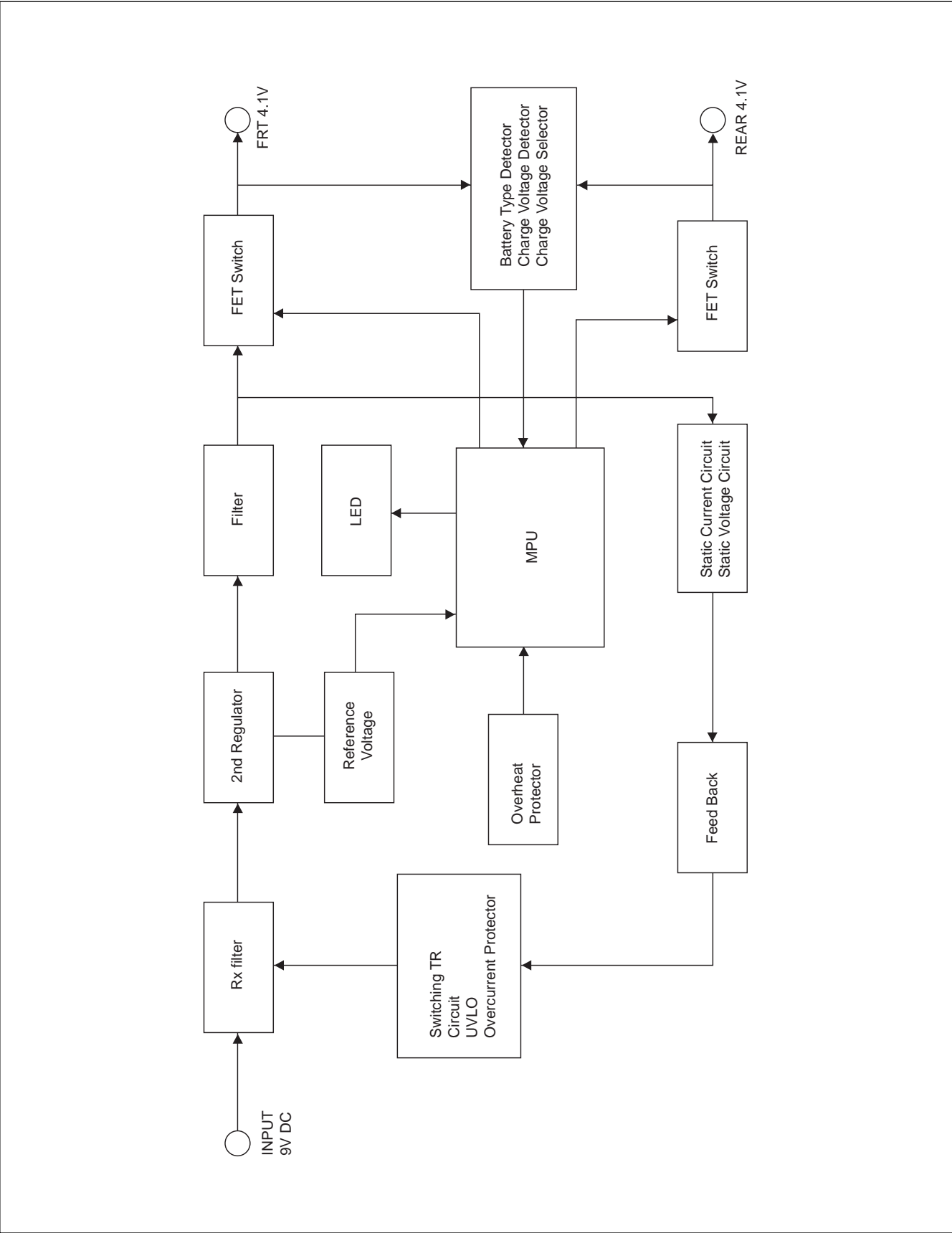
3-1 RF Block Diagram



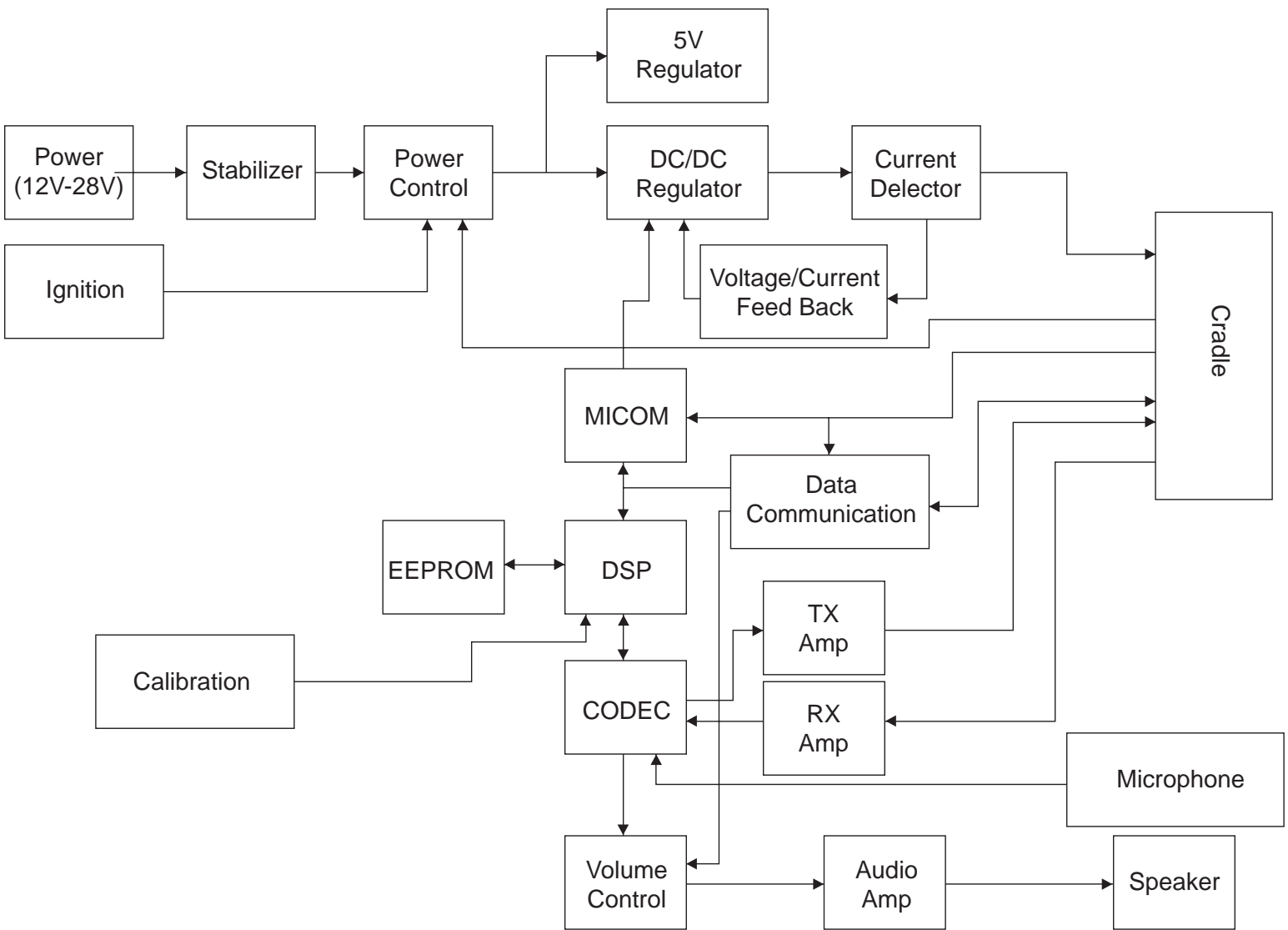
3-2 Baseband Block Diagram



3-3 DTC Block Diagram



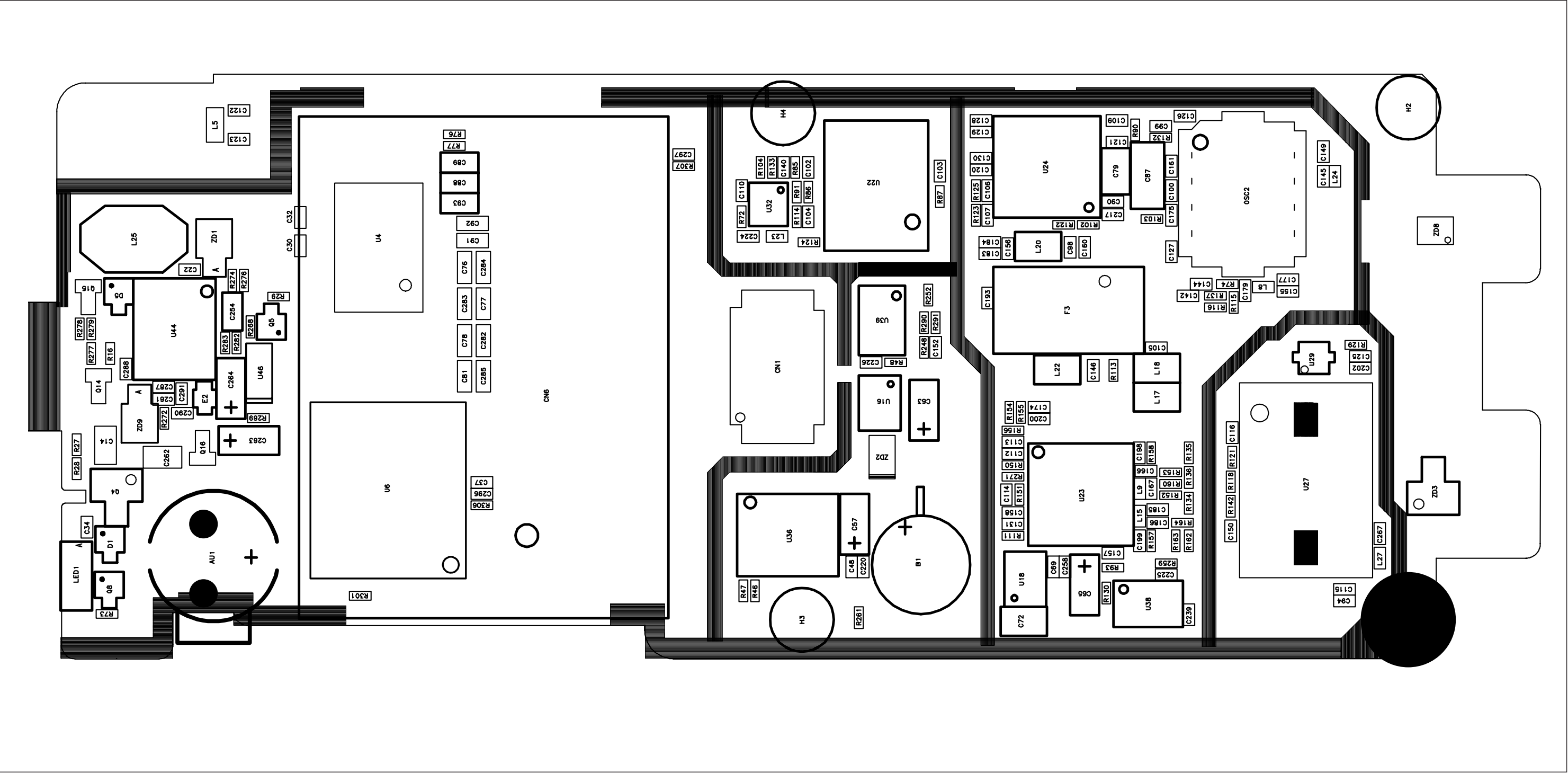
3-4 HFK Block Diagram



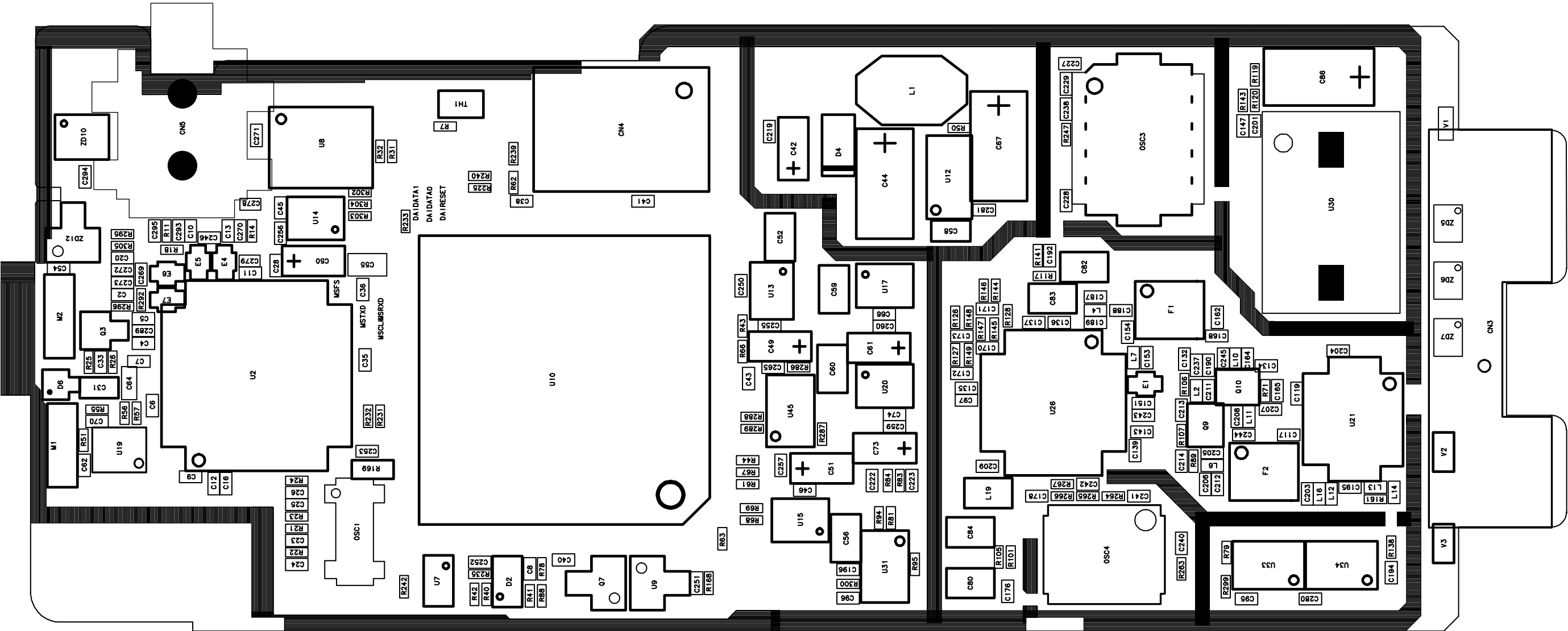
4. PCB Diagram

4-1 Main PCB

Top View

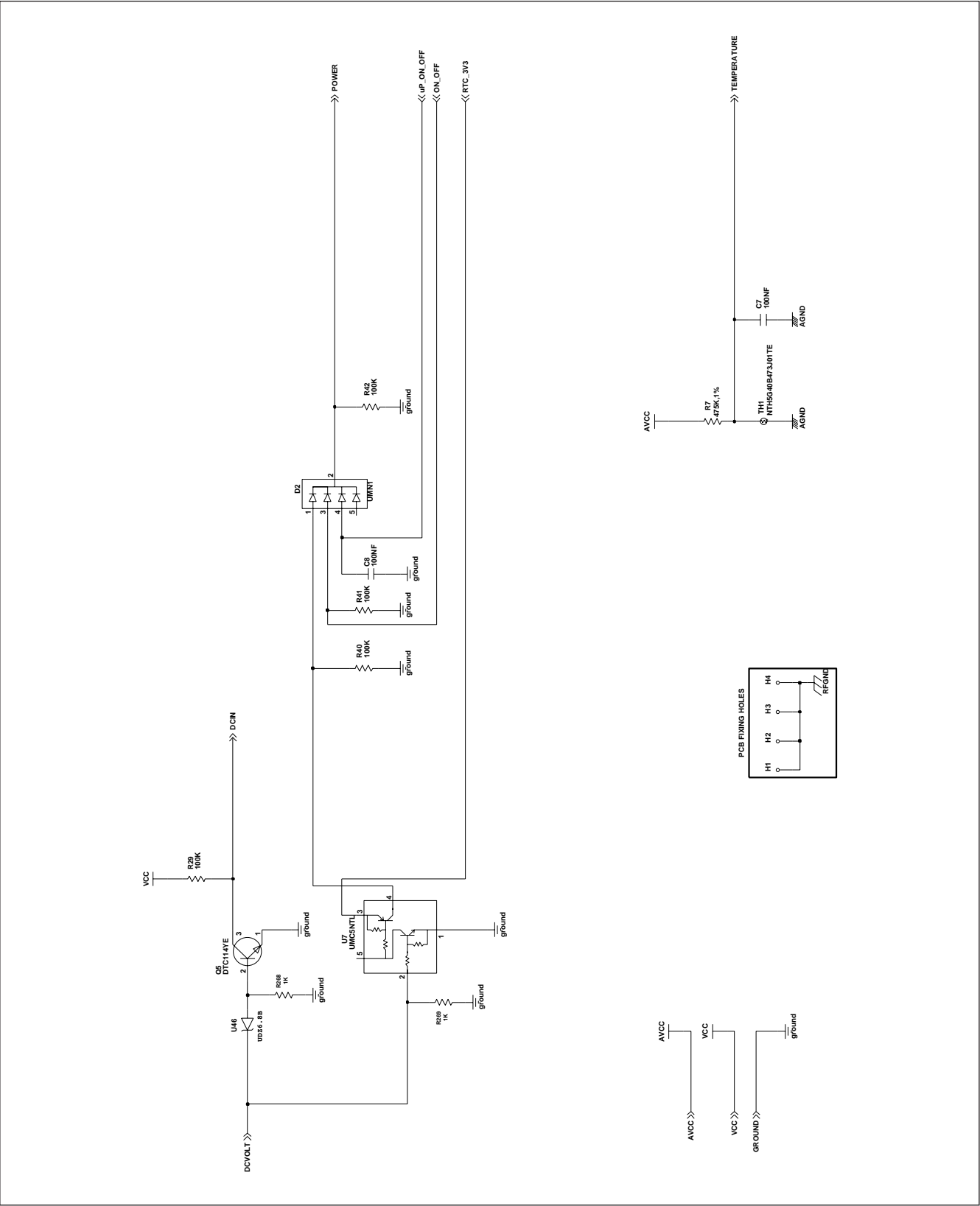


Bottom View

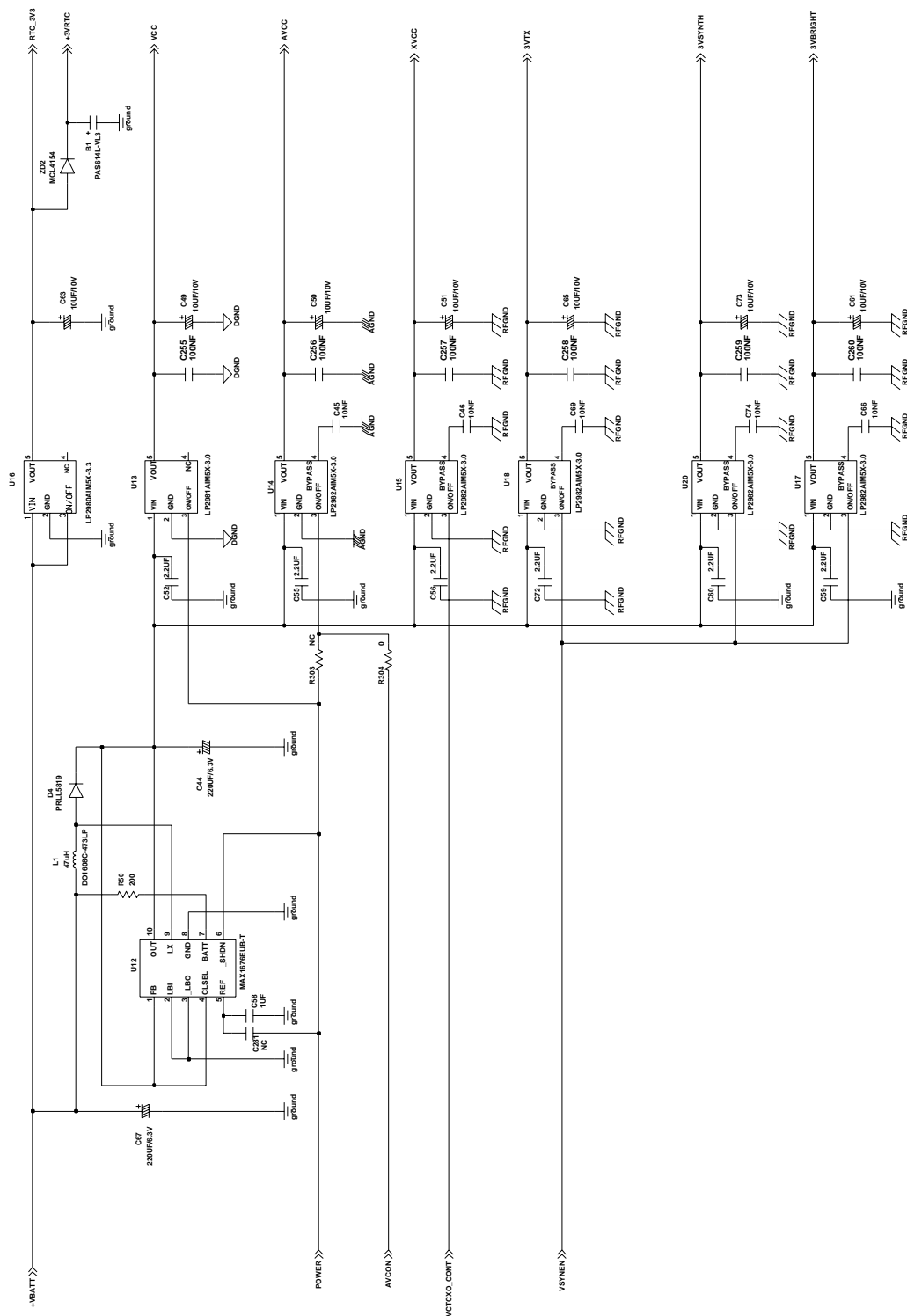


5. Schematic Diagrams

5-1 Power Management Schematic

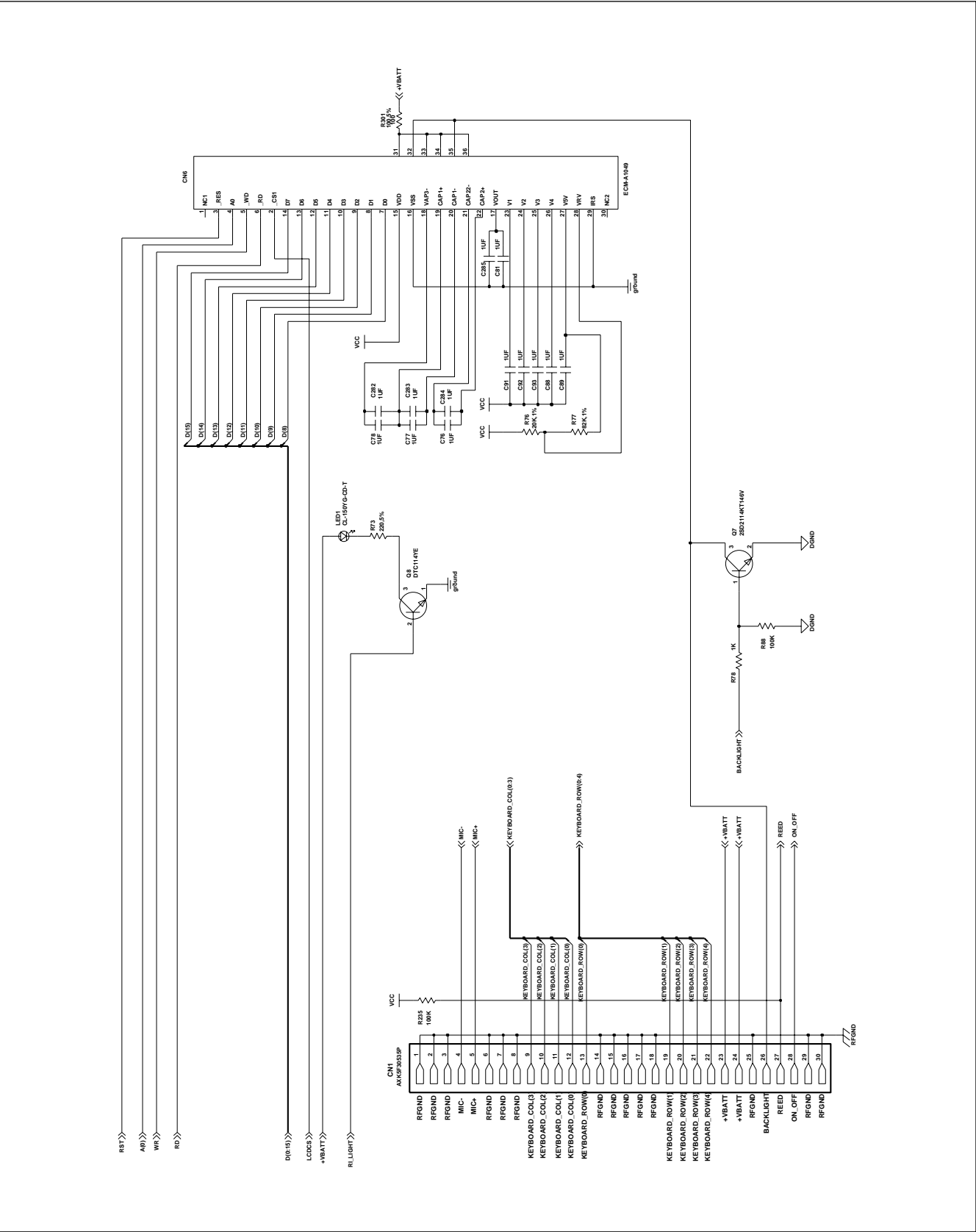


Schematic Diagrams

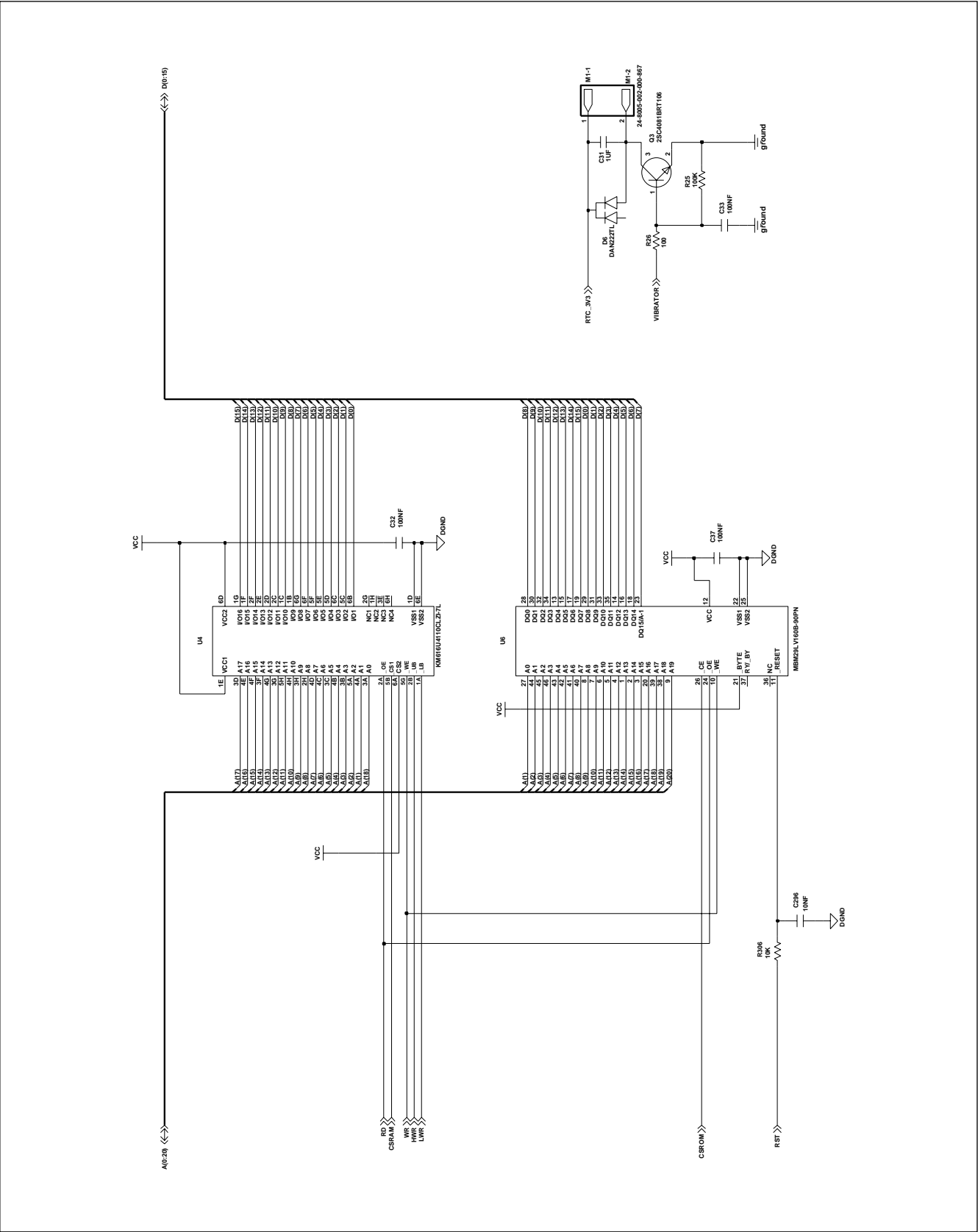


5-3 B.B Charger

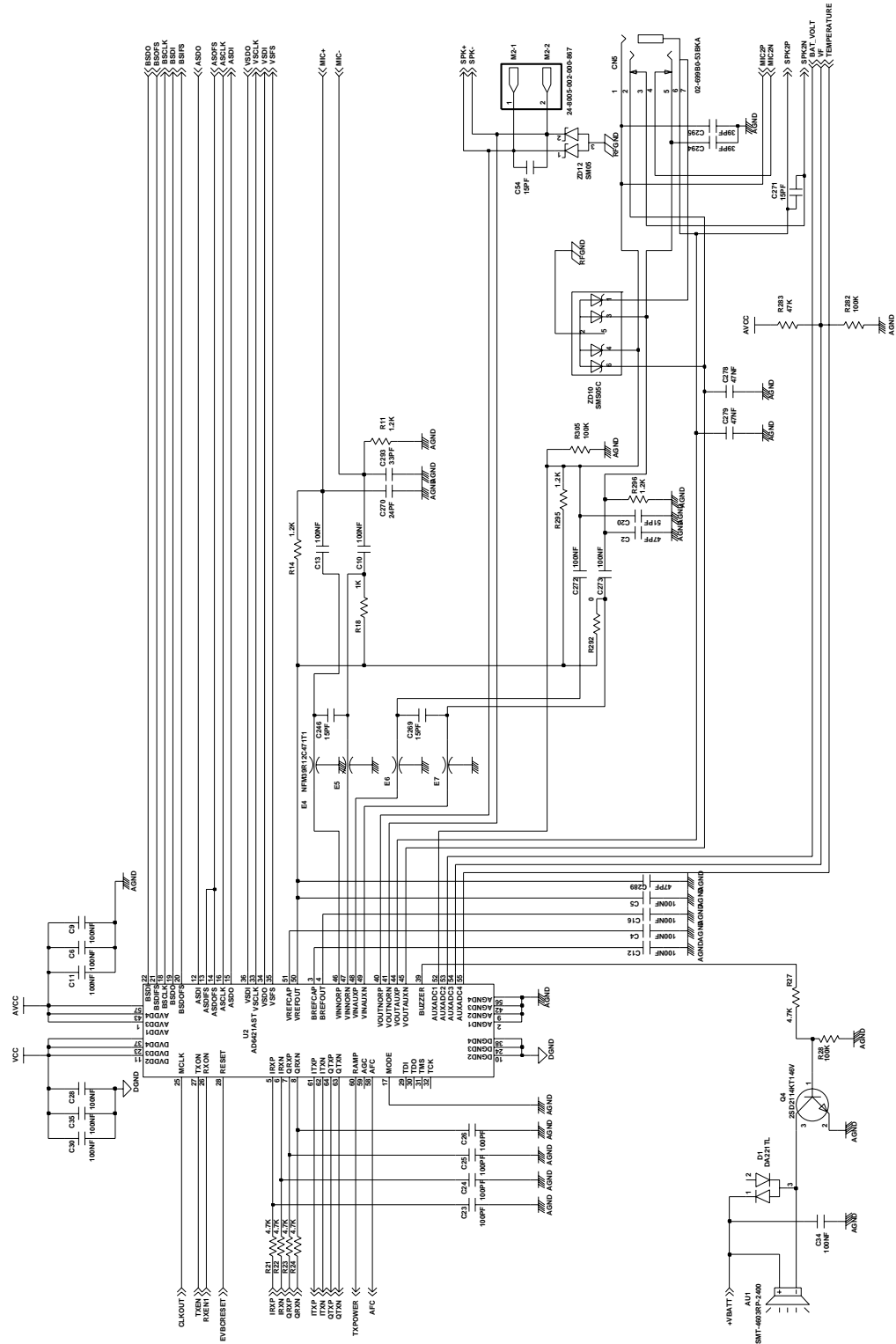
5-4 LCD Schematic



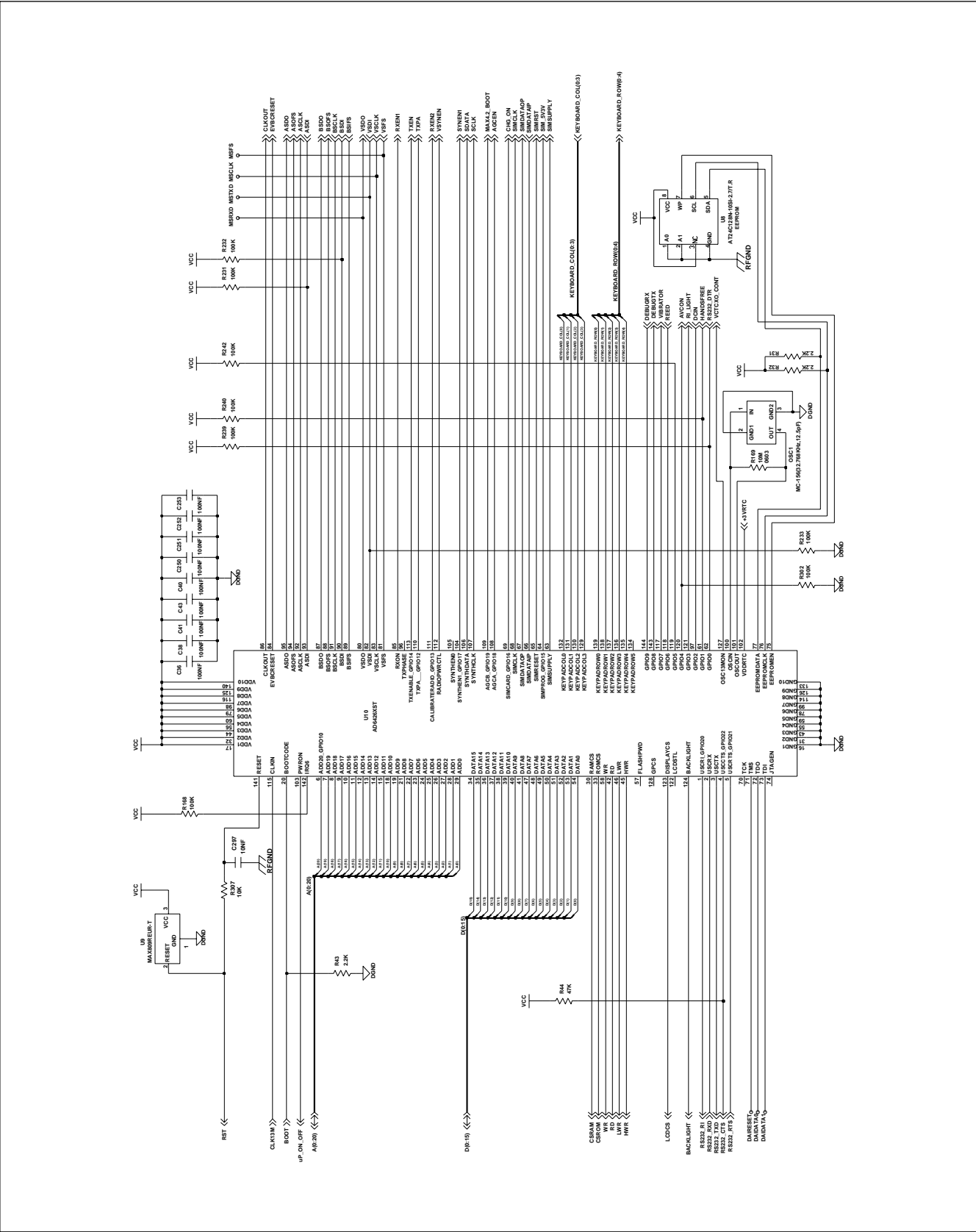
5-5 B.B Memory



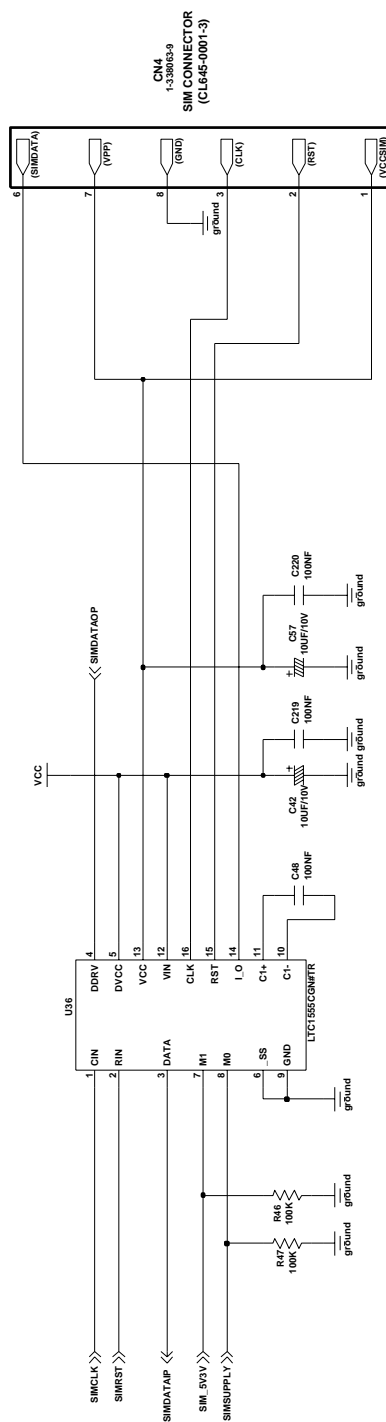
5-6 EVBC



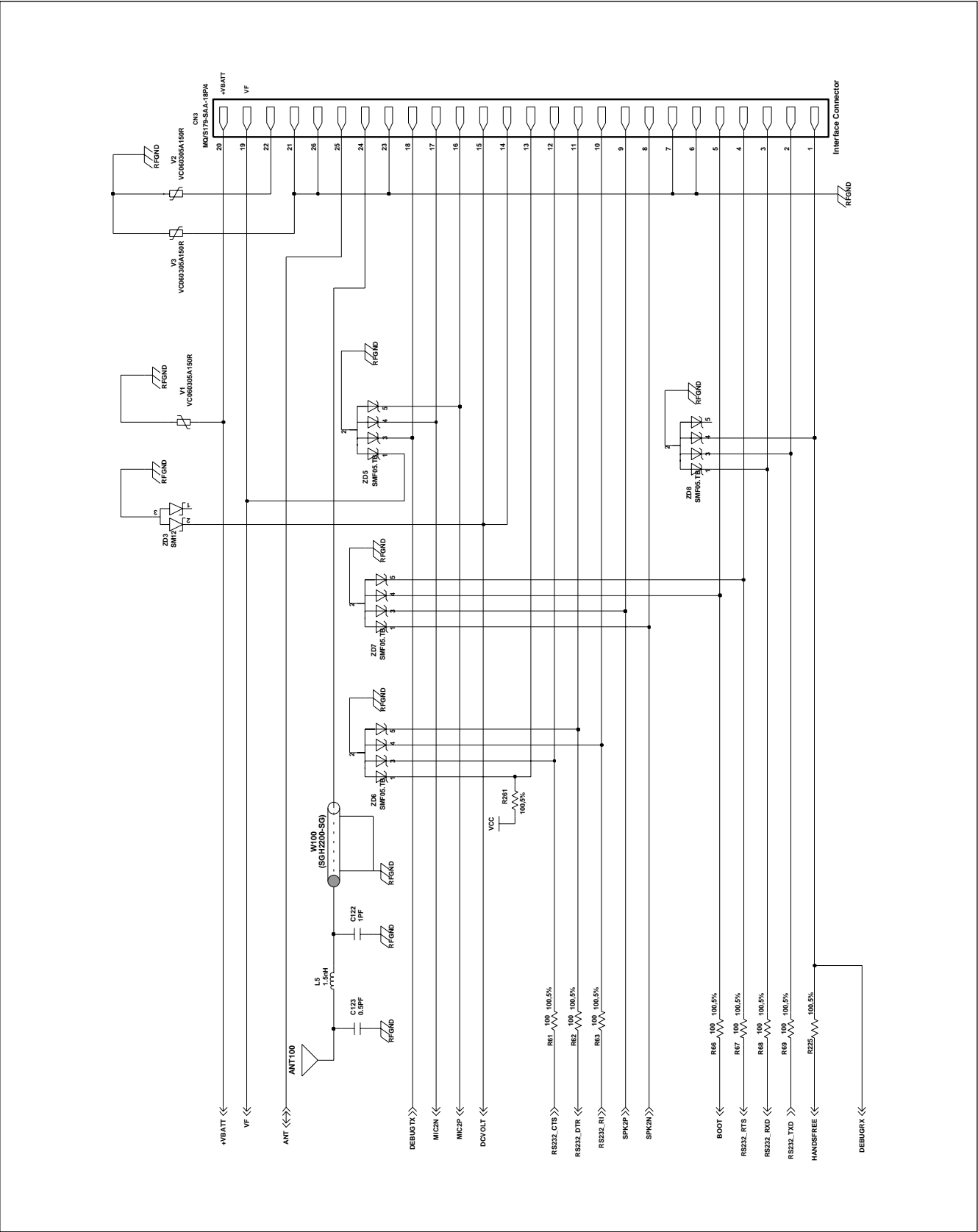
5-7 EGSMF



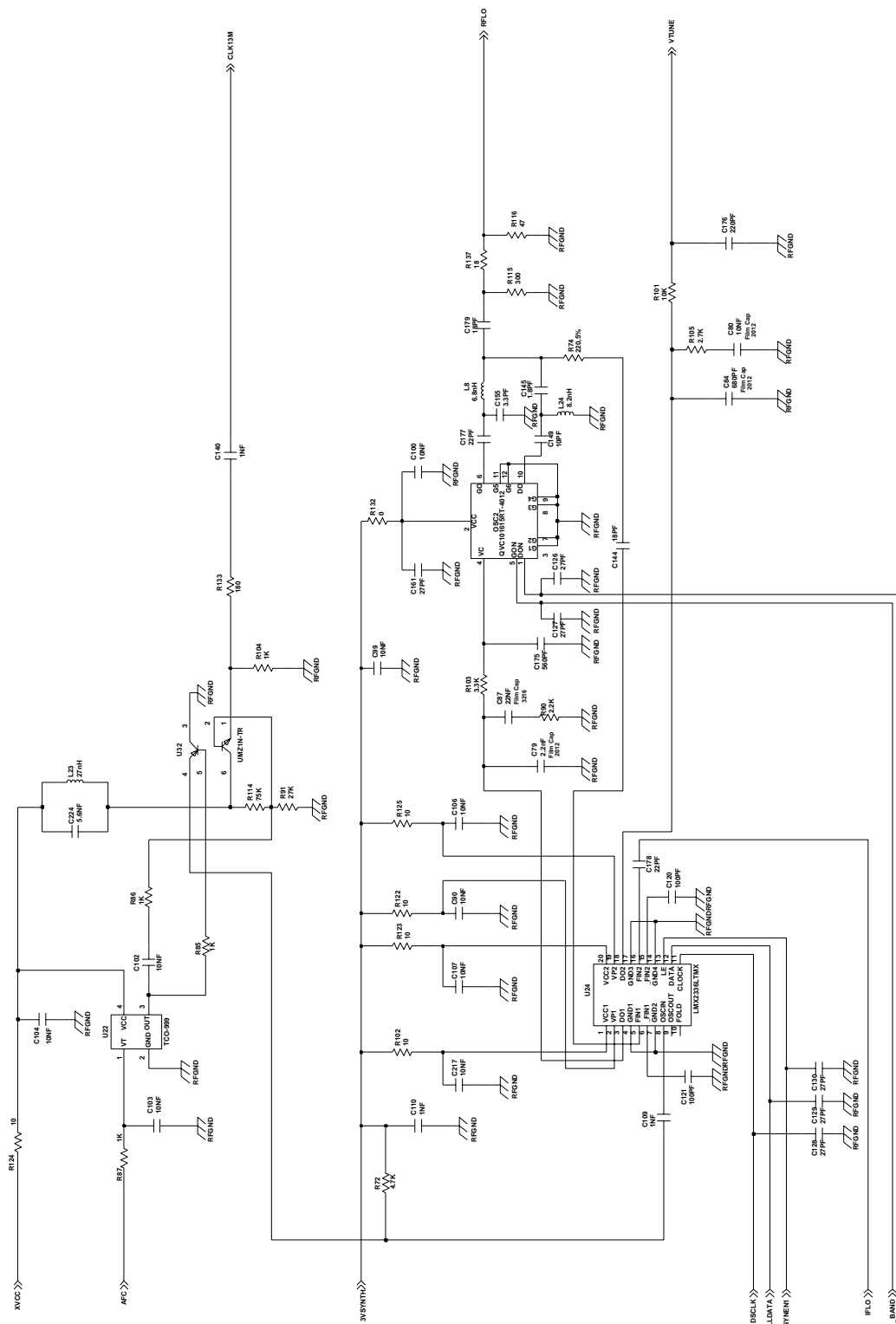
Schematic Diagrams



5-9 B.B Interface Connector

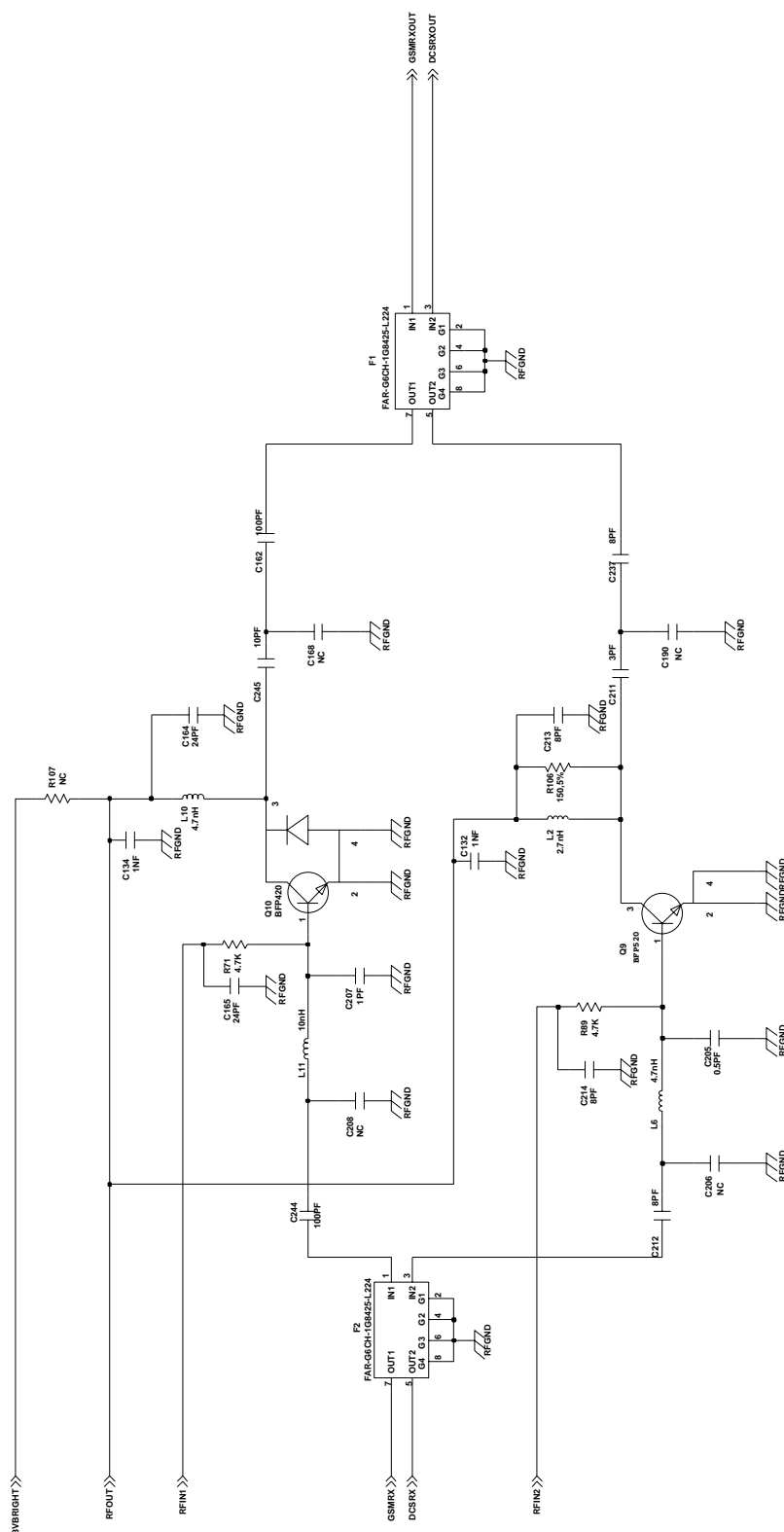


5-10 VCTXO & DUAL Synthesizer

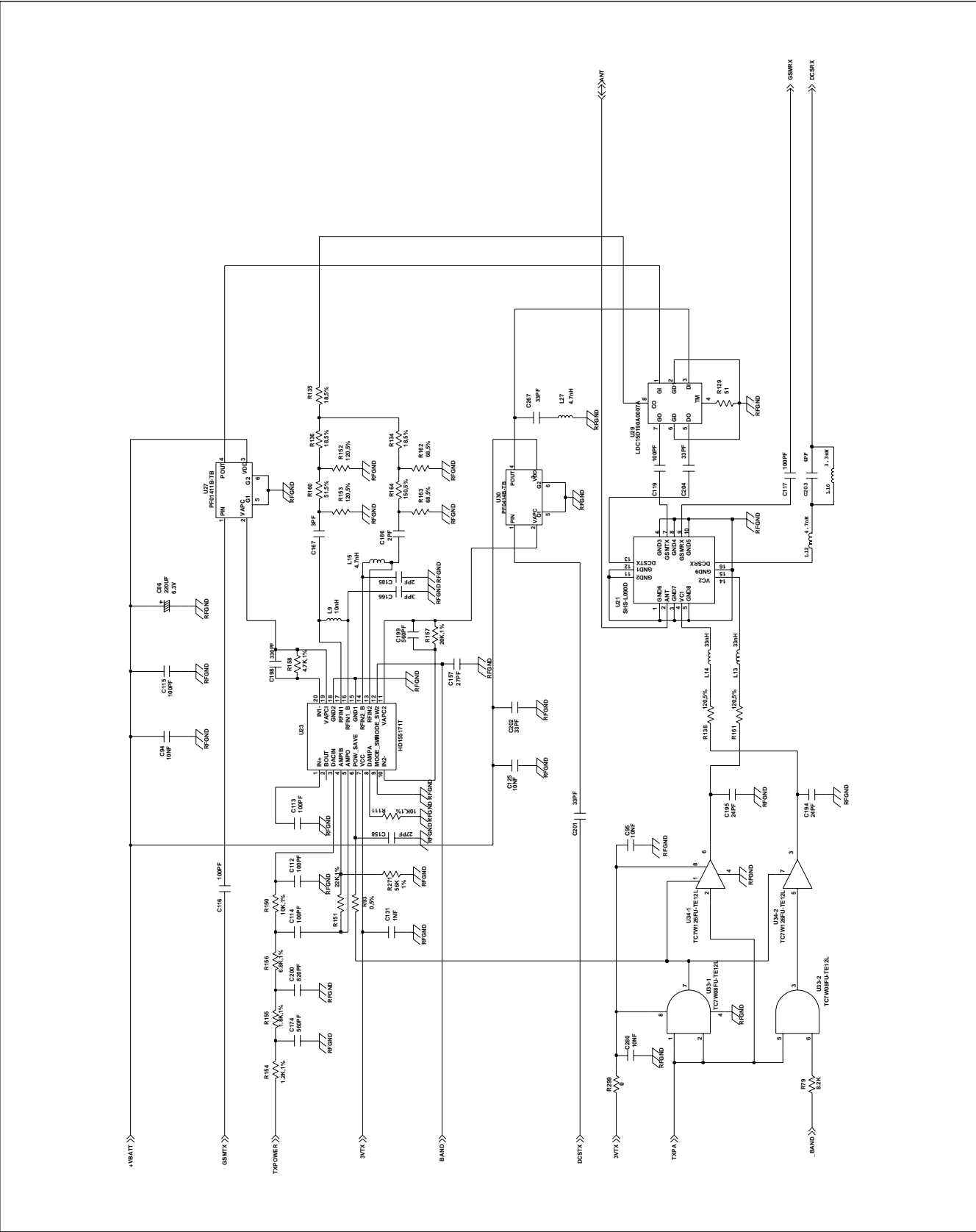


5-11 BRIGHT IC & TXVCO

5-12 LNA



5-13 RF Transmitter



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