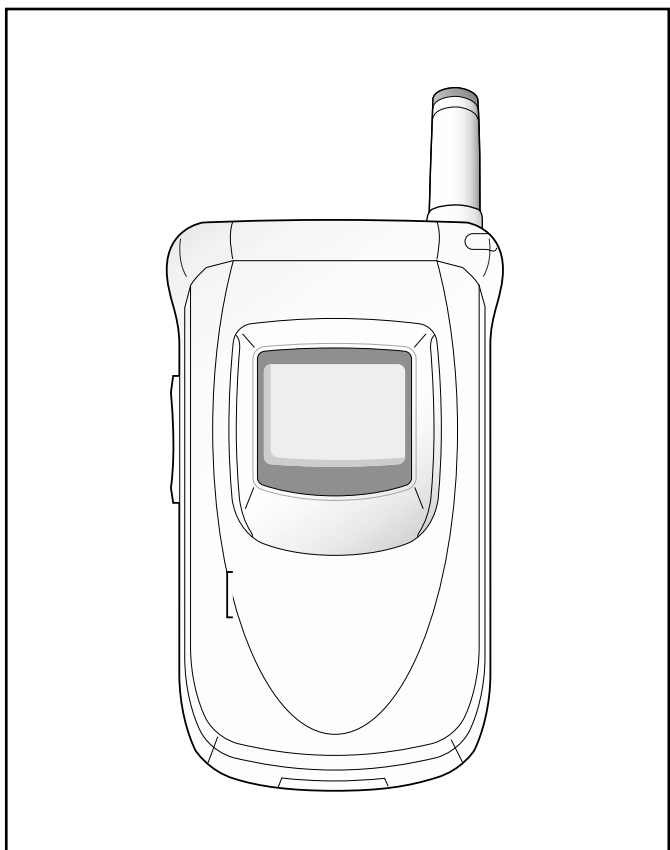


SAMSUNG

GPRS GSM TELEPHONE SGH-Q208

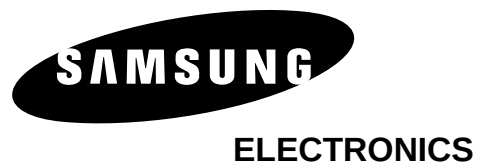
SERVICE *Manual*

GPRS GSM TELEPHONE



CONTENTS

1. Electrical Parts List
2. Exploded Views and Parts List
3. Block Diagrams
4. PCB Diagrams
5. Flow Chart of Troubleshooting and Circuit Diagrams



1. SGH-Q208 MAIN Electrical Parts List

Level	SEC Code	Design LOC	DESCRIPTIONS
0	SGH-Q208		
1	GH92-01290A	PBA MAIN-SGHQ208	SGH-Q208, TEC, CHNA, -, -, -, -, -
1	GH99-02670A		PAA MAIN-TEC SGH-Q208, TEC, CHNA, -, -, -
2	GG68-10705A		LABEL(P)-SEAL SP-R912, CRP, 65.0 X 95.0, -, ORG
2	GH68-00518B		LABEL(P)-SEAL SGH-A100, ART, 100 G, 46, 34, -, WHT, -, -, -
2	GH68-01778A		LABEL(P)-BARCODE SHIPPING SGH-A100, ART, 100 G, 250, 100, -, WHT,
2	GH68-01819A		LABEL(P)-SECURITY SGH-M100, ART, 100 G, 100, 100, -, WHT, -, -, -
2	GH68-02107B		LABEL(R)-MAIN SGH-Q208, MAT, T0.05, 32.7, 40.7, -, SIL, -, -, -
2	GH68-11067B		LABEL(P)-BARCODE(INDA) SGH-A100, ART, 100 G, 65, 69, -, WHT, -, -, -
2	GH69-00842A		BAG-VINYL HANDSET SGH-A300, LDPE, T0.06, 80, 170, TR P, -
2	3002-001117	AU501	BUZZER-MAGNETIC 88DB, 3.6 V, 120MA, 2700HZ, TP
2	2404-001239	C1001	C-TA, CHIP 100 UF, 20 %, 6.3 V, WT, TP, 3.3 X 2.7 X 1.7 MM
2	2404-001239	C1002	C-TA, CHIP 100 UF, 20 %, 6.3 V, WT, TP, 3.3 X 2.7 X 1.7 MM
2	2404-001239	C1003	C-TA, CHIP 100 UF, 20 %, 6.3 V, WT, TP, 3.3 X 2.7 X 1.7 MM
2	2203-001239	C1005	C-CERAMIC, CHIP 0.082 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000696	C1006	C-CERAMIC, CHIP 0.002 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-000254	C1008	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C1009	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005571	C101	C-CERAMIC, CHIP 10000 NF, +80-20 %, 6.3 V, Y5 V, TP, 2012
2	2203-005050	C1010	C-CERAMIC, CHIP 0.0018 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-000995	C1011	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C1012	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C1013	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-001072	C1014	C-CERAMIC, CHIP 0.056 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-001239	C1015	C-CERAMIC, CHIP 0.082 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000696	C1016	C-CERAMIC, CHIP 0.002 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-001124	C1017	C-CERAMIC, CHIP 680 PF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000254	C1019	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005065	C102	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-000696	C1020	C-CERAMIC, CHIP 0.002 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-000628	C1021	C-CERAMIC, CHIP 0.022 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000696	C1022	C-CERAMIC, CHIP 0.002 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-001239	C1023	C-CERAMIC, CHIP 0.082 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-001124	C1024	C-CERAMIC, CHIP 680 PF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000254	C1028	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005053	C1029	C-CERAMIC, CHIP 0.0039 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-005571	C103	C-CERAMIC, CHIP 10000 NF, +80-20 %, 6.3 V, Y5 V, TP, 2012
2	2203-000254	C1030	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2203-000330	C1031	C-CERAMIC, CHIP 0.012 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C1036	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C1037	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C1038	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C1039	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005065	C104	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-001383	C1040	C-CERAMIC, CHIP 0.0005 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-000233	C1041	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C1044	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C1045	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005571	C105	C-CERAMIC, CHIP 10000 NF, +80-20 %, 6.3 V, Y5 V, TP, 2012
2	2203-001383	C1050	C-CERAMIC, CHIP 0.0005 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2703-001180	C1052	INDUCTOR-SMD 15 NH, 5 %, 1 X 0.5 X 0.5 mm
2	2203-000995	C1053	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005065	C106	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2404-001281	C107	C-TA, CHIP 22 UF, 20 %, 6.3 V, G P, TP, 2012
2	2404-001281	C108	C-TA, CHIP 22 UF, 20 %, 6.3 V, G P, TP, 2012
2	2203-005065	C110	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-000254	C111	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005571	C112	C-CERAMIC, CHIP 10000 NF, +80-20 %, 6.3 V, Y5 V, TP, 2012
2	2203-005065	C113	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-005061	C115	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-002494	C116	C-CERAMIC, CHIP 470 NF, 10 %, 16 V, X7R, TP, 2012
2	2404-001281	C117	C-TA, CHIP 22 UF, 20 %, 6.3 V, G P, TP, 2012
2	2203-000233	C118	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000254	C119	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005065	C120	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-005571	C126	C-CERAMIC, CHIP 10000 NF, +80-20 %, 6.3 V, Y5 V, TP, 2012
2	2203-005496	C127	C-CERAMIC, CHIP 220 NF, +80-20 %, 10 V, Y5 V, TP, 1005
2	2404-001105	C201	C-TA, CHIP 10 UF, 20 %, 6.3 V, G P, TP, 2012
2	2203-000233	C202	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2404-001020	C203	C-TA, CHIP 10 UF, 20 %, 10 V, G P, TP, 3216, 3.2
2	2203-000812	C204	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000425	C205	C-CERAMIC, CHIP 0.018 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C207	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005061	C208	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000995	C211	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C212	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C213	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2203-000995	C214	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C215	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C216	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C217	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C218	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005061	C219	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000679	C301	C-CERAMIC, CHIP 0.027 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-001441	C309	C-CERAMIC, CHIP 75 PF, 5 %, 50 V, X7R, TP, 1005, 1.0 mm
2	2203-005061	C321	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000628	C400	C-CERAMIC, CHIP 0.022 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005065	C404	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-005065	C407	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2404-001151	C410	C-TA, CHIP 33 UF, 20 %, 6.3 V, LZ, TP, 3216
2	2203-005061	C411	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000643	C421	C-CERAMIC, CHIP 0.024 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000679	C422	C-CERAMIC, CHIP 0.027 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-001441	C425	C-CERAMIC, CHIP 75 PF, 5 %, 50 V, X7R, TP, 1005, 1.0 mm
2	2203-001630	C501	C-CERAMIC, CHIP 330 NF, +80-20 %, 16 V, Y5 V, TP, 1608
2	2203-001630	C502	C-CERAMIC, CHIP 330 NF, +80-20 %, 16 V, Y5 V, TP, 1608
2	2203-001630	C503	C-CERAMIC, CHIP 330 NF, +80-20 %, 16 V, Y5 V, TP, 1608
2	2203-000812	C504	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C505	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-005061	C506	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-005061	C508	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000254	C510	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005571	C520	C-CERAMIC, CHIP 10000 NF, +80-20 %, 6.3 V, Y5 V, TP, 2012
2	2404-001101	C522	C-TA, CHIP 1 UF, 20 %, 16 V, G P, TP, 2012, -
2	2203-005061	C601	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000254	C602	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C603	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C604	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C605	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C606	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C607	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C608	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C609	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005061	C610	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000628	C611	C-CERAMIC, CHIP 0.022 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000628	C612	C-CERAMIC, CHIP 0.022 NF, 5 %, 50 V, NP0, TP, 1005

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2203-000254	C613	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C614	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C615	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005065	C622	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-000233	C701	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C702	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000254	C703	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C704	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000233	C705	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C706	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000254	C709	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C710	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C711	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C712	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005065	C717	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-000254	C718	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005061	C720	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-005061	C721	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-005061	C722	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-005065	C723	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-005065	C724	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-005065	C725	C-CERAMIC, CHIP 1000 NF, +80-20 %, 10 V, Y5 V, TP, 1608
2	2203-000254	C732	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C801	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000438	C802	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000995	C803	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C804	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000233	C805	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000254	C806	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000254	C807	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005552	C808	C-CERAMIC, CHIP 0.0022 NF, 0.1 PF, 50 V, NP0, TP, 1005
2	2203-000233	C809	C-CERAMIC, CHIP 0.1 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C810	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000995	C811	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000751	C812	C-CERAMIC, CHIP 330 NF, +80-20 %, 16 V, Y5 V, TP, 2012,
2	2203-000438	C818	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000870	C901	C-CERAMIC, CHIP 0.003 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-000438	C903	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-001201	C905	C-CERAMIC, CHIP 0.007 NF, 0.5 PF, 50 V, NP0, TP, 1005

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2203-000438	C907	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000438	C908	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2404-001088	C913	C-TA, CHIP 2.2 UF, 20 %, 6.3 V, G P, TP, 2012, -
2	2203-000628	C914	C-CERAMIC, CHIP 0.022 NF, 5 %, 50 V, NP0, TP, 1005
2	2404-001151	C915	C-TA, CHIP 33 UF, 20 %, 6.3 V, LZ, TP, 3216
2	2203-000254	C917	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000679	C918	C-CERAMIC, CHIP 0.027 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000438	C919	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000812	C922	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000438	C923	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-002687	C924	C-CERAMIC, CHIP 1.2 NF, 10 %, 50 V, X7R, TP, 1005
2	2203-000359	C925	C-CERAMIC, CHIP 0.15 NF, 5 %, 50 V, NP0, TP, 1005
2	2404-001105	C926	C-TA, CHIP 10 UF, 20 %, 6.3 V, G P, TP, 2012
2	2203-000679	C928	C-CERAMIC, CHIP 0.027 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000438	C931	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000438	C932	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-005061	C934	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000278	C938	C-CERAMIC, CHIP 0.01 NF, 0.5 PF, 50 V, NP0, TP, 1005
2	2203-000438	C939	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2301-001214	C940	C-FILM, CHIP 4.7 NF, 5 %, 16 V, TP, 2012, -
2	2301-001387	C941	C-FILM, CHIP 0.82 NF, 5 %, 50 V, TP, 2012, -
2	2203-000995	C942	C-CERAMIC, CHIP 0.047 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-002968	C943	C-CERAMIC, CHIP 0.051 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000278	C944	C-CERAMIC, CHIP 0.01 NF, 0.5 PF, 50 V, NP0, TP, 1005
2	2203-000438	C951	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000254	C954	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-005061	C957	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-000696	C958	C-CERAMIC, CHIP 0.002 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-005061	C959	C-CERAMIC, CHIP 100 NF, +80-20 %, 16 V, Y5 V, TP, 1005
2	2203-005056	C960	C-CERAMIC, CHIP 0.0068 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-005056	C961	C-CERAMIC, CHIP 0.0068 NF, 0.25 PF, 50 V, NP0, TP, 1005
2	2203-000812	C962	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2404-001088	C963	C-TA, CHIP 2.2 UF, 20 %, 6.3 V, G P, TP, 2012, -
2	2203-000812	C964	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000254	C965	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2404-001105	C966	C-TA, CHIP 10 UF, 20 %, 6.3 V, G P, TP, 2012
2	2203-000812	C967	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C968	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000812	C969	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2203-000812	C970	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2301-001213	C972	C-FILM, CHIP 6.8 NF, 5 %, 16 V, TP, 2012, -
2	2301-001419	C973	C-FILM, CHIP 8.2 NF, 5 %, 16 V, TP, 2012, -
2	2301-001231	C974	C-FILM, CHIP 680 PF, 5 %, 50 V, TP, 2012, -
2	2301-001233	C975	C-FILM, CHIP 2.2 NF, 5 %, 50 V, TP, 2012, -
2	2203-000679	C976	C-CERAMIC, CHIP 0.027 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-002525	C977	C-CERAMIC, CHIP 0.56 NF, 10 %, 50 V, X7R, TP, 1005
2	2203-000812	C978	C-CERAMIC, CHIP 0.033 NF, 5 %, 50 V, NP0, TP, 1005
2	2203-000438	C979	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000254	C980	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	2203-000438	C983	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000438	C984	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000438	C985	C-CERAMIC, CHIP 1 NF, 10 %, 50 V, X7R, TP, 1005, -
2	2203-000254	C988	C-CERAMIC, CHIP 10 NF, 10 %, 16 V, X7R, TP, 1005, -
2	3705-001239	CN1001	CONNECTOR-COA X IAL -, JACK, 50 Mohm, 50 ohm, 0.3dB
2	3711-004623	CN202	CONNECTOR-HEADER BOX, 20 P, 2R, 0.5 mm, SMD-S, AUF
2	3711-004623	CN203	CONNECTOR-HEADER BOX, 20 P, 2R, 0.5 mm, SMD-S, AUF
2	3710-001611	CN301	CONNECTOR-SOCKET 18 P, 1R, 0.5 mm, SMD-A, A UF
2	3722-001715	CN401	JACK-PHONE 6 P, 2.3PI, AG, BLK, -
2	3711-004621	CN601	CONNECTOR-HEADER BOX, 14 P, 2R, 0.5 mm, SMD-S, AUF
2	3709-001187	CN801	CONNECTOR-CARD EDGE 6 P, 2.54 MM, SMD-A, -
2	0401-001033	D101	DIODE-SWITCHING MCL4154, 25 V, 200mA, M-MELF, TP
2	1405-001082	D202	VARISTOR 5.6 V, 20A, 1 X 0.5 X 0.6 mm, TP
2	1405-001082	D203	VARISTOR 5.6 V, 20A, 1 X 0.5 X 0.6 mm, TP
2	1405-001082	D204	VARISTOR 5.6 V, 20A, 1 X 0.5 X 0.6 mm, TP
2	1405-001018	D302	VARISTOR 14 V, -, 1.6 X 0.8 mm, TP
2	1405-001018	D303	VARISTOR 14 V, -, 1.6 X 0.8 mm, TP
2	0407-000115	D501	DIODE-ARRAY DAN202U, 80 V, 100mA, CA2-3, SC-70,
2	0407-001002	D502	DIODE-ARRAY DAN222, 80 V, 300mA, CA2-3, EM3, TP
2	4709-001214	F1001	COUPLER-DIRECTION 880-915MHz, 19.5+-1dB, 13dB, 2.0 X 1.25 X 0.7 mm, TP
2	4709-001213	F1002	COUPLER-DIRECTION 1710-1785MHz, 14+-1dB, 12dB, 2.0 X 1.25 X 0.7 mm, TP
2	2904-001325	F1003	FILTER-SAW 942.5MHZ, 50MHZ, 1.7DB(G), 2.0DB(P), TP, 2.8DB(G), 3.1DB(P), -
2	2904-001226	F901	FILTER-SAW 942.5MHZ, 35MHZ, 925-960MHz/2dB, TP, 925-960MHz/3.8dB
2	2904-001320	F902	FILTER-SAW 225MHZ, 60MHZ, -, TP, -, -
2	2904-001228	F903	FILTER-SAW 1.8425GHz, -, 1805-1880MHz/1dB, TP, 1805-1880MHz/3.5dB
2	4709-001217	F904	FREQ-DISTRIBUTER 880-960MHz, 1710-1880MHz, 0.7dB, 4 W, -30to+85C, 50 ohm
2	2703-001190	L1001	INDUCTOR-SMD 15 NH, 5 %, 1.6 X 0.8 X 0.8 mm
2	2703-001132	L1002	INDUCTOR-SMD 4.7 NH, 5 %, 1.6 X 0.8 X 0.8 mm
2	2703-001288	L1004	INDUCTOR-SMD 2.7 NH, 0.5 NH, 1.6 X 0.8 X 0.8 mm

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2703-001040	L1005	INDUCTOR-SMD 10 NH, 5 %, 1.6 X 0.8 X 0.8 mm
2	2703-001207	L1006	INDUCTOR-SMD 6.8 NH, 5 %, 1.6 X 0.8 X 0.8 mm
2	2703-001207	L1007	INDUCTOR-SMD 6.8 NH, 5 %, 1.6 X 0.8 X 0.8 mm
2	2703-001206	L1008	INDUCTOR-SMD 4.7 NH, 0.3 NH, 1.6 X 0.8 X 0.8 mm
2	2703-001258	L1009	INDUCTOR-SMD 3.3 NH, 0.3 NH, 1.6 X 0.8 X 0.8 mm
2	3301-001105	L101	CORE-FERRITE AB, 1.6 X 0.8 X 0.8 mm, -, -
2	2703-001514	L902	INDUCTOR-SMD 68 NH, 5 %, 1.8 X 1.12 X 1.02 mm
2	2703-001514	L903	INDUCTOR-SMD 68 NH, 5 %, 1.8 X 1.12 X 1.02 mm
2	2703-001926	L904	INDUCTOR-SMD 27 NH, 2 %, 1.6 X 0.8 X 0.8 mm
2	2703-001747	L905	INDUCTOR-SMD 4.7 NH, 0.3 NH, 1.0 X 0.5 x 0.5 mm
2	2703-001514	L907	INDUCTOR-SMD 68 NH, 5 %, 1.8 x 1.12 x 1.02 mm
2	2703-001748	L909	INDUCTOR-SMD 5.6 NH, 0.3 NH, 1.0 x 0.5 x 0.5 mm
2	2703-001685	L910	INDUCTOR-SMD 82 NH, 5 %, 1.7 x 1.14 x 1.02 mm
2	2703-001613	L911	INDUCTOR-SMD 18 NH, 10 %, 1 x 0.5 x 0.5 mm
2	2703-001734	L912	INDUCTOR-SMD 6.8 NH, 5 %, 1 x 0.5 x 0.5 mm
2	2703-001132	L914	INDUCTOR-SMD 4.7 NH, 5 %, 1.6 x 0.8 x 0.8 mm
2	2007-007771	L915	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2703-001422	L916	INDUCTOR-SMD 22 NH, 5 %, 1.6 x 0.8 x 0.8 mm
2	2703-001422	L918	INDUCTOR-SMD 22 NH, 5 %, 1.6 x 0.8 x 0.8 mm
2	2703-001943	L933	INDUCTOR-SMD 10 NH, 5 %, 1.0 x 0.5 x 0.5 mm
2	4302-001119	M101	BATTERY-LI(2ND) 3 V, 0.1MAH, -, -, 3.1 V, -
2	2801-004116	OSC601	CRYSTAL-SMD .032768MHZ, 30PPM, 28-ACM, 9 PF, 50 OHM, TP
2	2809-001255	OSC801	OSCILLATOR-VCTC X O 13MHZ, 5PPM, 10 Kohm//10 PF, TP, 3 V, 2MA
2	2806-001233	OSC901	OSCILLATOR-VCO 1167MHz/1615MHz, -, 0+-3dBm, TP, 2.85 V, -
2	2806-001232	OSC902	OSCILLATOR-VCO 1080MHz, -, -6to0dBm, TP, 2.85 V, 6.5mA
2	2806-001231	OSC903	OSCILLATOR-VCO 897.5MHz/1747.5MHz, -, -, TP, 2.85 V, 20mA
2	0504-001012	Q1001	TR-DIGITAL DTC114YE, NPN, 150M W, 10K/47K, EMT3, TP
2	0504-001012	Q1002	TR-DIGITAL DTC114YE, NPN, 150M W, 10K/47K, EMT3, TP
2	0504-001012	Q1003	TR-DIGITAL DTC114YE, NPN, 150M W, 10K/47K, EMT3, TP
2	0504-000168	Q101	TR-DIGITAL RN1104, NPN, 100M W, 47K/47K, SSM, TP
2	0504-000168	Q102	TR-DIGITAL RN1104, NPN, 100M W, 47K/47K, SSM, TP
2	0504-000168	Q114	TR-DIGITAL RN1104, NPN, 100M W, 47K/47K, SSM, TP
2	0501-002346	Q201	TR-SMALL SIGNAL 2SB1427, PN P, 500m W, SOT-89, TP, 390-820
2	0504-000168	Q204	TR-DIGITAL RN1104, NPN, 100M W, 47K/47K, SSM, TP
2	0504-000168	Q205	TR-DIGITAL RN1104, NPN, 100M W, 47K/47K, SSM, TP
2	0501-002011	Q301	TR-SMALL SIGNAL 2SD2114K, NPN, 200m W, SOT-23, TP, 8
2	0501-000162	Q501	TR-SMALL SIGNAL 2SA1576, PN P, 200M W, SOT-323, TP, 180-390
2	0501-002011	Q502	TR-SMALL SIGNAL 2SD2114K, NPN, 200m W, SOT-23, TP, 8
2	0504-000167	Q503	TR-DIGITAL RN1102, NPN, 100M W, 10K/10K, SSM, TP

Level	SEC Code	Design LOC	DESCRIPTIONS
2	0504-000167	Q601	TR-DIGITAL RN1102, NPN, 100M W, 10K/10K, SSM, TP
2	0504-000167	Q602	TR-DIGITAL RN1102, NPN, 100M W, 10K/10K, SSM, TP
2	0504-000167	Q603	TR-DIGITAL RN1102, NPN, 100M W, 10K/10K, SSM, TP
2	2007-000070	R1000	R-CHIP 0 ohm, 5 %, 1/16 W, DA, TP, 1608
2	2007-001288	R1001	R-CHIP 18 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007008	R1002	R-CHIP 300 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007008	R1003	R-CHIP 300 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000139	R1004	R-CHIP 220 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007132	R1005	R-CHIP 15 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007142	R1006	R-CHIP 10 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007771	R1007	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-001301	R1008	R-CHIP 68 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001301	R1009	R-CHIP 68 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R101	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007311	R1010	R-CHIP 22 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007008	R1011	R-CHIP 300 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007139	R1012	R-CHIP 47 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-001301	R1013	R-CHIP 68 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001301	R1014	R-CHIP 68 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007132	R1015	R-CHIP 15 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-001288	R1016	R-CHIP 18 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007008	R1017	R-CHIP 300 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007008	R1018	R-CHIP 300 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R102	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R1020	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R1021	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R1022	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R1023	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R1024	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R1025	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R1026	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R104	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000170	R105	R-CHIP 1 Mohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R107	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R108	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R109	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R110	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R115	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R116	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2007-001319	R117	R-CHIP 1.2 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R119	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R18	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007308	R201	R-CHIP 33 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007308	R202	R-CHIP 33 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-001323	R203	R-CHIP 3 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007139	R204	R-CHIP 47 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007771	R206	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R210	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R211	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R217	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R218	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R222	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R223	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R224	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R225	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R226	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R227	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R228	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R229	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R230	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R231	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R232	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R300	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R302	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R304	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R305	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R306	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R307	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R308	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R309	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000166	R310	R-CHIP 300 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R311	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R314	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R315	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R321	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000140	R322	R-CHIP 1 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000143	R323	R-CHIP 4.7 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000839	R324	R-CHIP 39 ohm, 5 %, 1/16 W, DA, TP, 1608

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2007-007771	R325	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R327	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R329	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000839	R330	R-CHIP 39 ohm, 5 %, 1/16 W, DA, TP, 1608
2	2007-000162	R401	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R402	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R403	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R404	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007021	R405	R-CHIP 75 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000566	R406	R-CHIP 220 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000242	R407	R-CHIP 1.5 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000159	R408	R-CHIP 56 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R426	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000141	R427	R-CHIP 2.2 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R502	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000137	R503	R-CHIP 2 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000162	R504	R-CHIP 100 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R507	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000143	R508	R-CHIP 4.7 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000143	R509	R-CHIP 4.7 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R510	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R511	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R512	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R514	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R517	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R520	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R601	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R603	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R604	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-001306	R605	R-CHIP 150 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000170	R606	R-CHIP 1 Mohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007142	R607	R-CHIP 10 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-000148	R608	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R610	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R613	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R615	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R616	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R617	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R618	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005

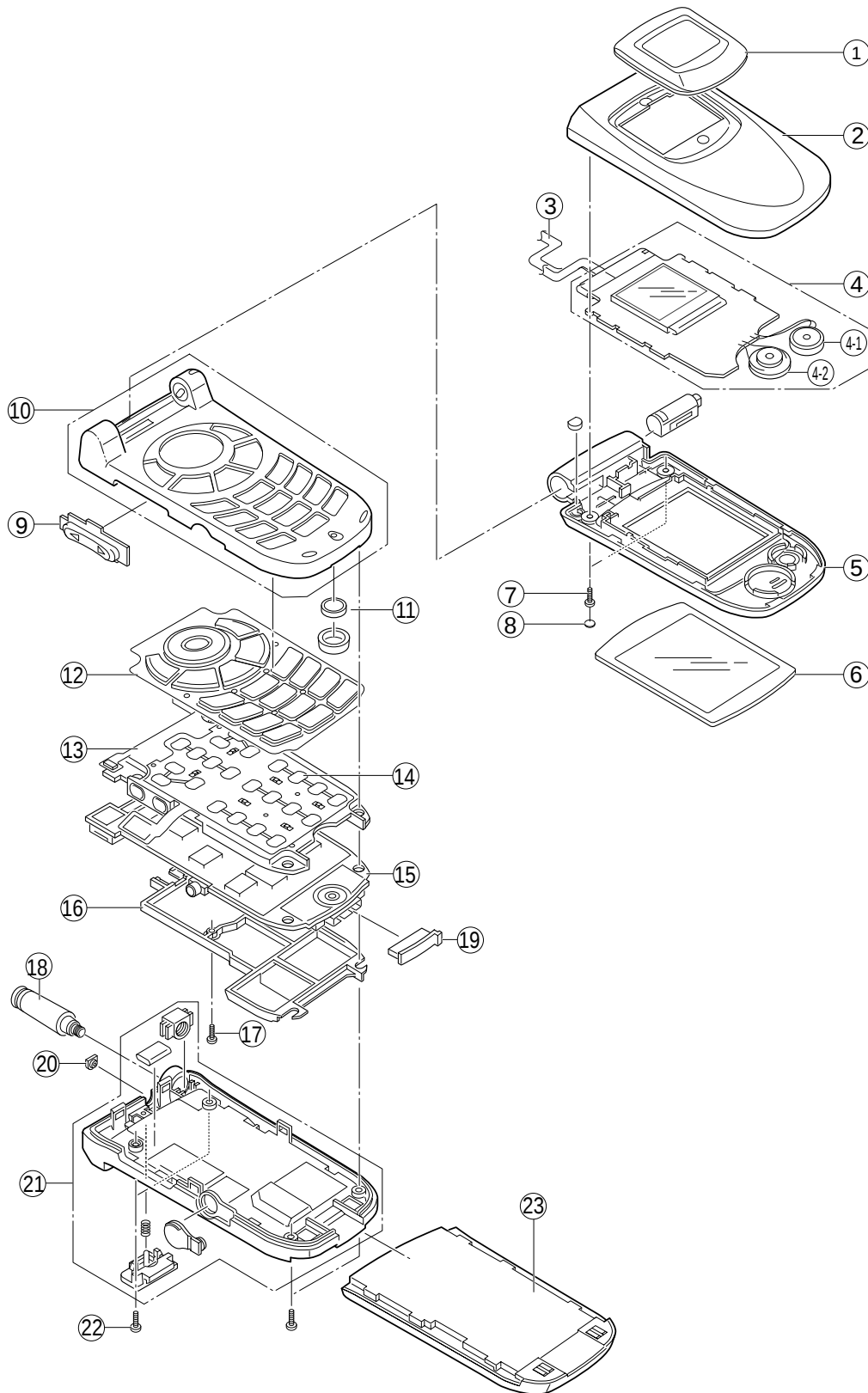
Level	SEC Code	Design LOC	DESCRIPTIONS
2	2007-001311	R619	R-CHIP 270 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000157	R620	R-CHIP 47 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007317	R701	R-CHIP 2.2 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007317	R702	R-CHIP 2.2 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-000172	R703	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007317	R711	R-CHIP 2.2 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007317	R712	R-CHIP 2.2 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-000148	R714	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007698	R728	R-CHIP 5.1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007698	R729	R-CHIP 5.1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007698	R730	R-CHIP 5.1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007698	R731	R-CHIP 5.1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007698	R732	R-CHIP 5.1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007698	R733	R-CHIP 5.1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-007771	R734	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R801	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R802	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000161	R803	R-CHIP 82 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000151	R804	R-CHIP 15 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000174	R805	R-CHIP 47 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R806	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000159	R807	R-CHIP 56 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000170	R808	R-CHIP 1 Mohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R809	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000148	R811	R-CHIP 10 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R812	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R813	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R814	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007318	R901	R-CHIP 1 Kohm, 1 %, 1/16 W, DA, TP, 1005
2	2007-000172	R902	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R903	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001284	R905	R-CHIP 4.7 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R906	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R907	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R908	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R909	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-001298	R910	R-CHIP 51 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R914	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R915	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005

Level	SEC Code	Design LOC	DESCRIPTIONS
2	2007-000147	R917	R-CHIP 8.2 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R919	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-001325	R921	R-CHIP 3.3 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R922	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000143	R923	R-CHIP 4.7 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001284	R926	R-CHIP 4.7 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R927	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001301	R928	R-CHIP 68 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-007771	R929	R-CHIP 0 OHM, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R930	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R931	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000138	R932	R-CHIP 100 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000153	R934	R-CHIP 22 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001217	R938	R-CHIP 82 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000141	R939	R-CHIP 2.2 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-001295	R940	R-CHIP 39 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R941	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000143	R942	R-CHIP 4.7 Kohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000174	R943	R-CHIP 47 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R945	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R946	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	2007-000172	R947	R-CHIP 10 ohm, 5 %, 1/16 W, DA, TP, 1005
2	1209-001292	U1001	IC-ETC, LINEAR HD155171NP01EL, QF P, 24 P, 165 MIL, PLASTIC, 3.6 V,
2	1201-001785	U1002	IC-POWER AMP 08122, -, 8 P, -, DUAL, 34DB, -, 7 V, -, -25TO+100C, -, -,
2	0801-000794	U1003	IC-CMOS LOGIC 7S08, AND GATE, SOT-25, 5 P, 63 MIL,
2	0504-001042	U1004	TR-DIGITAL BCR10PN, NPN/PN P, 250m W, 10K/10K,
2	0504-001042	U1005	TR-DIGITAL BCR10PN, NPN/PN P, 250m W, 10K/10K,
2	2909-001084	U1006	FILTER-DUPLE X ER 942.5MHZ, 897.5MHZ, 1/1.2DB, TP, -, -
2	0504-001042	U1008	TR-DIGITAL BCR10PN, NPN/PN P, 250m W, 10K/10K,
2	1203-001985	U101	IC-VOLTAGE REGULATOR 2005, QF P, 48 P, 276 MIL, PLASTIC, 1.8/3 V, -, -
2	2203-001124	U1011	C-CERAMIC, CHIP 680 PF, 10 %, 50 V, X 7R, TP, 1005, -
2	1203-001917	U102	IC-VOLTAGE REGULATOR 5213, SOT-23, 5 P, 50 MIL, PLASTIC, 3.3, 222m W, -
2	0801-002212	U103	IC-CMOS LOGIC 7S02, NOR GATE, SC-70, 5 P, 49 MIL, SINGLE, TP, PLASTIC,
2	0505-001423	U104	FET-SILICON FDG6323L, N/ P, -, -, -, 0.3 W, SC70-6
2	1203-002127	U201	IC-BATTERY 1734, SOT-23, 6 P, 150 MIL, PLASTIC, 4.7/5.3 V, -, 0to+70C, 1A, -, TP
2	0506-001052	U202	TR-ARRAY UMH9N, NPN, 2, 150M W, SC-88, TP, 68-
2	1001-001088	U401	IC-ANALOG SWITCH MAX 4544EUT-T, -, SOT-23, 6 P, -, SINGLE, 13 V, -
2	0504-001071	U402	TR-DIGITAL UMD9N, NPN/PN P, 150m W, 4.7, UMT6, TP
2	1106-001301	U501	IC-SRAM 1337, 262K x 16Bit, CS P, 72 P, -, 85nS, 3 V, -, PLASTIC, -25to+85C,

Level	SEC Code	Design LOC	DESCRIPTIONS
2	0504-001042	U502	TR-DIGITAL BCR10PN, NPN/PN P, 250m W, 10K/10K,
2	0801-000794	U503	IC-CMOS LOGIC 7S08, AND GATE, SOT-25, 5 P, 63 MIL,
2	GH09-00017A	U601	IC MICOM-SGHQ100 TR09BFTBE17IN2-DB, SGH-Q100, -, -, -, 144K X
2	1209-001219	U602	IC-SENSOR LM60C, SOT-23, 3 P, 115 MIL, PLASTIC
2	1204-001827	U701	IC-SIGNAL PROCESSOR CSP1099R-BF-DT, BGA, 100 P, 393 MIL, PLASTIC,
2	0505-001423	U703	FET-SILICON FDG6323L, N/ P, -, -, -, 0.3 W, SC70-6
2	0801-002345	U801	IC-CMOS LOGIC 7S04, INVERTER, SOT-353, 5 P, 49 MIL, SINGLE, TP,
2	0504-001042	U802	TR-DIGITAL BCR10PN, NPN/PN P, 250m W, 10K/10K,
2	1209-001308	U901	IC-PLL/SYNTHESISER HD155131TF, QF P, 56 P, 290 MIL, PLASTIC, 3.3 V, -, -
2	3711-004814	VCON1	CONNECTOR-HEADER -, 2 P, -, 2.5 MM, STRAIGHT, AU0.1U, BLK
2	3711-004814	VCON2	CONNECTOR-HEADER -, 2 P, -, 2.5 MM, STRAIGHT, AU0.1U, BLK
2	1405-001082	ZD302	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD304	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD305	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD306	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD307	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD309	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD310	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD311	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD312	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD313	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD314	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD315	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD316	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD317	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD401	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD402	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD404	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP
2	1405-001082	ZD405	VARISTOR 5.6 V, 20A, 1 x 0.5 x 0.6 mm, TP

2. SGH-Q208 Exploded View and its Parts List

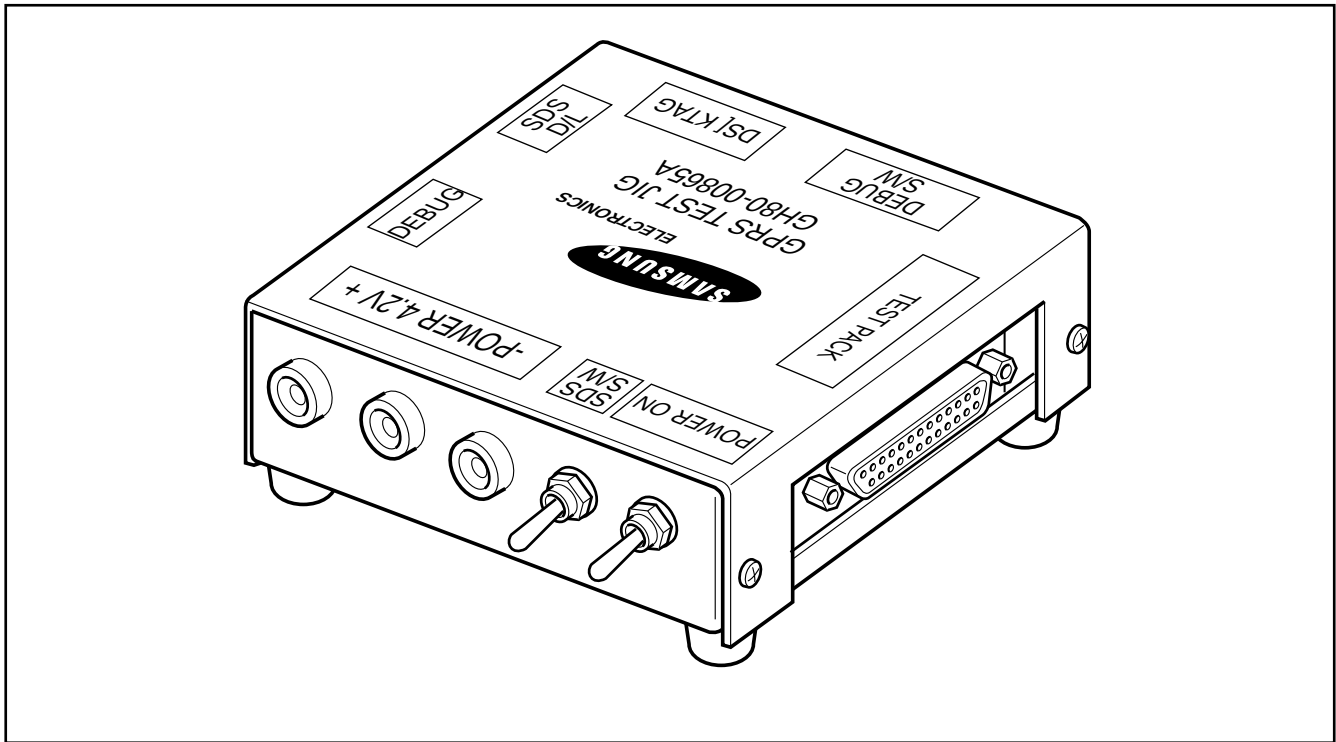
2-1. Cellular phone Exploded View



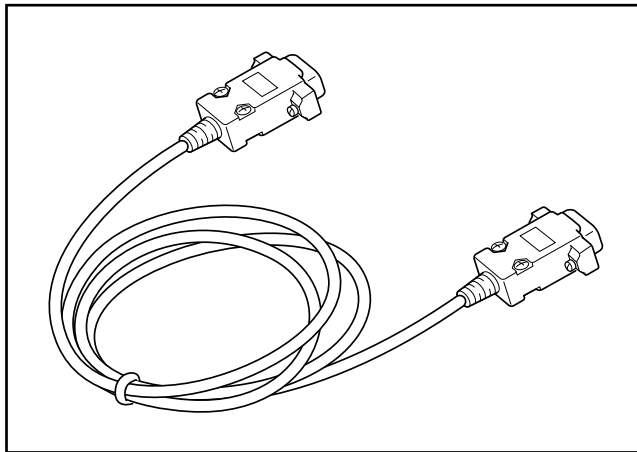
2-2. Cellular phone Parts List

Location No.	Description	SEC CODE			Remark
		M/Silver	PWHITE	BGOLD	
1	DUAL LCD WINDOW	GH72-02482B	GH72-02482A	GH72-02482A	
2	FOLDER UPPER	GH75-01101A	GH75-01101A	GH75-01101A	
3	CON ASS'Y	GH59-00272A	GH59-00272A	GH59-00272A	
4	LCD ASS'Y	GH07-00093A	GH07-00093A	GH07-00093A	
	4-1 MOTOR	3101-001280	3101-001280	3101-001280	
	4-2 SPEAKER	3001-001251	3001-001251	3001-001251	
5	FOLDER LOWER	GH75-01102A	GH75-01102A	GH75-01102A	
6	LCD WINDOW	GH72-02484A	GH72-02484A	GH72-02484A	
7	SCREW (M1.4 X 2)	6001-000883	6001-000883	6001-000883	
8	SCREW DUMMY	GH68-00370C	GH68-00370C	GH68-00370C	
9	SUA, VOLUME KEY ASS'Y	GH75-01100A	GH75-01100A	GH75-01100A	
10	SUA FRONT COVER	GH75-01097A	GH75-01097A	GH75-01097A	
11	MIC	GH59-00138A	GH59-00138A	GH59-00138A	
12	KEY PAD ASS'Y	GH75-01099B	GH75-01099A	GH75-01099A	
13	SHIELD COVER	GH75-01735A	GH75-01735A	GH75-01735A	
14	KEY FPCB	GH59-00273A	GH59-00273A	GH59-00273A	
15	MAIN PBA	GH92-01290A	GH92-01290A	GH92-01290A	
16	SUA, SHIELD COVER-B	GH75-01583A	GH75-01583A	GH75-01583A	
17	SCREW (M1.4 X 4)	6001-000464	6001-000464	6001-000464	
18	ANTEENA	GH42-00173A	GH42-00173B	GH42-00173C	
19	COVER CONNECTOR	GH73-00704A	GH73-00704A	GH73-00704A	
20	SUA, RF JACK COVER	GH73-00703A	GH73-00703A	GH73-00703A	
21	REAR COVER	GH75-01103A	GH75-01103A	GH75-01103A	
22	SCREW (M1.7 X 5)	6001-001346	6001-001346	6001-001346	
23	BATTERY	GH43-00511A	GH43-00511B	GH43-00511C	720mAh
		GH43-00507A	GH43-00507B	GH43-00507C	900mAh

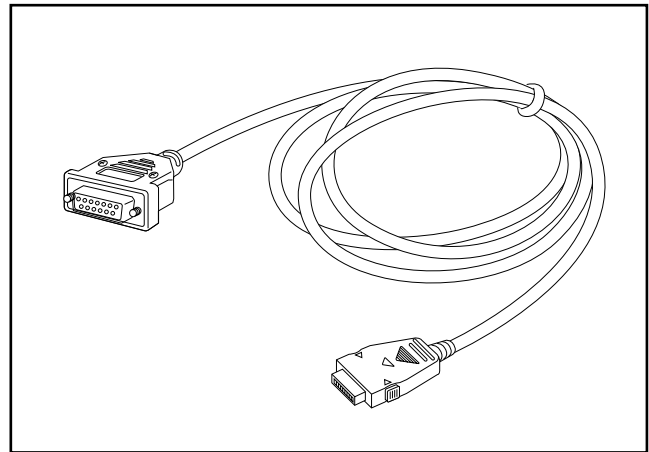
2-3. Test Jig (GH80-00865A)



Data Cable



Test Cable (GH39-00127A)

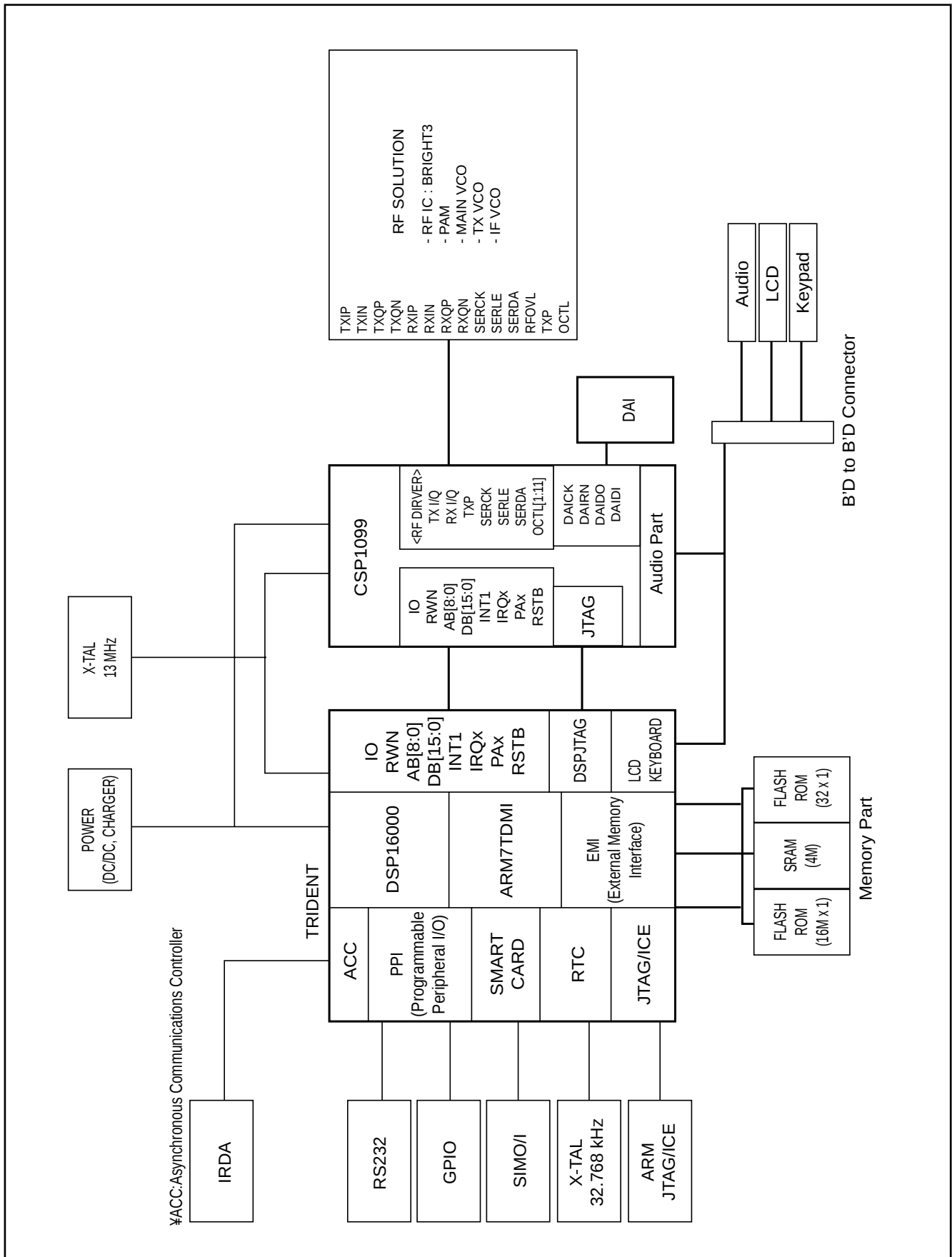


MODE	SWITCH				
	POWER ON	SDS S/W	DEBUG S/W	SDS D/L	DEBUG
D/L	HIGH	LOW	LOW	CONNECT	N.C
CAL	HIGH	LOW	LOW	CONNECT	N.C

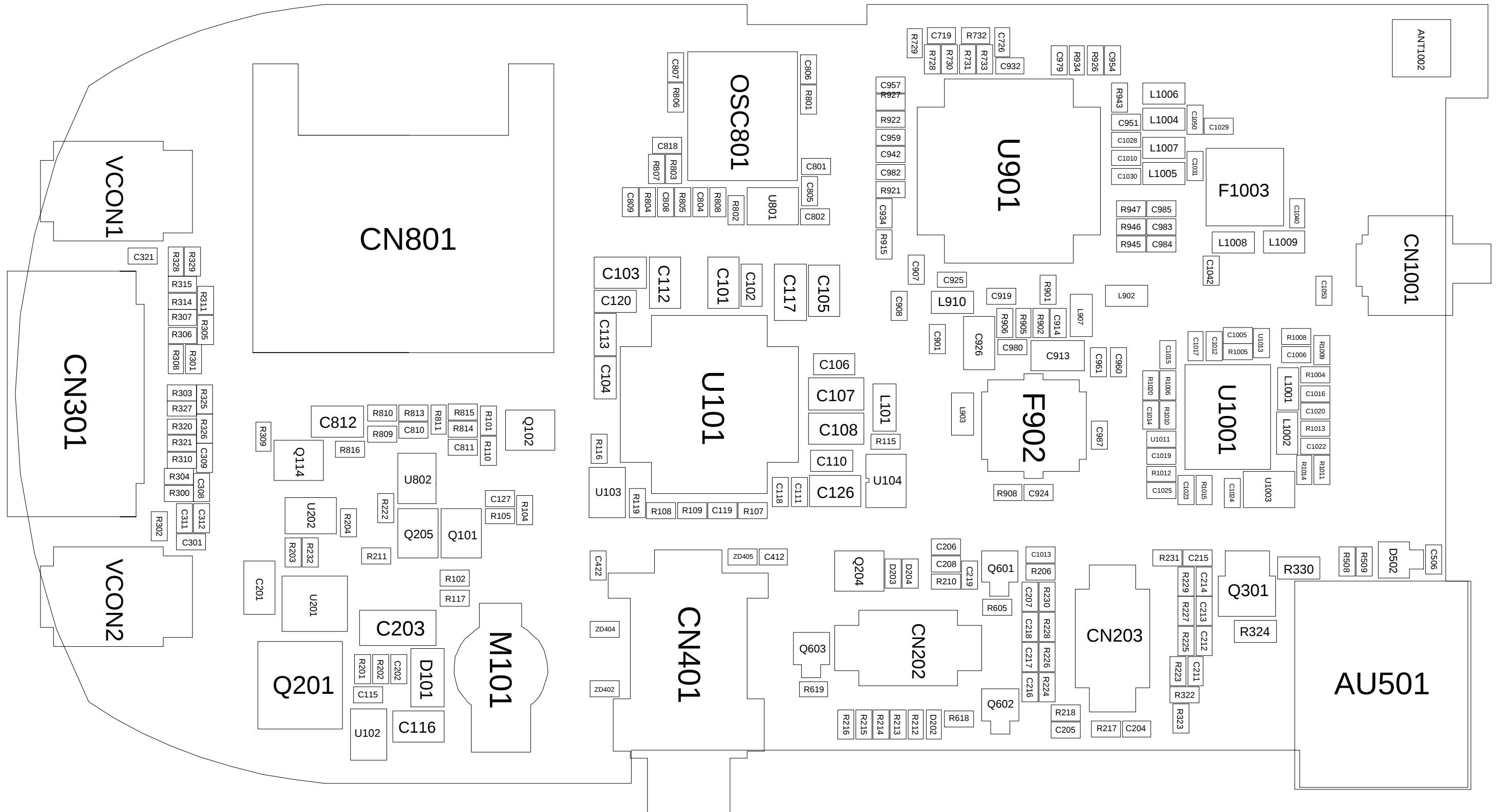
3-1. RF Solution Block Diagram



3-2. Base Band Solution Block Diagram

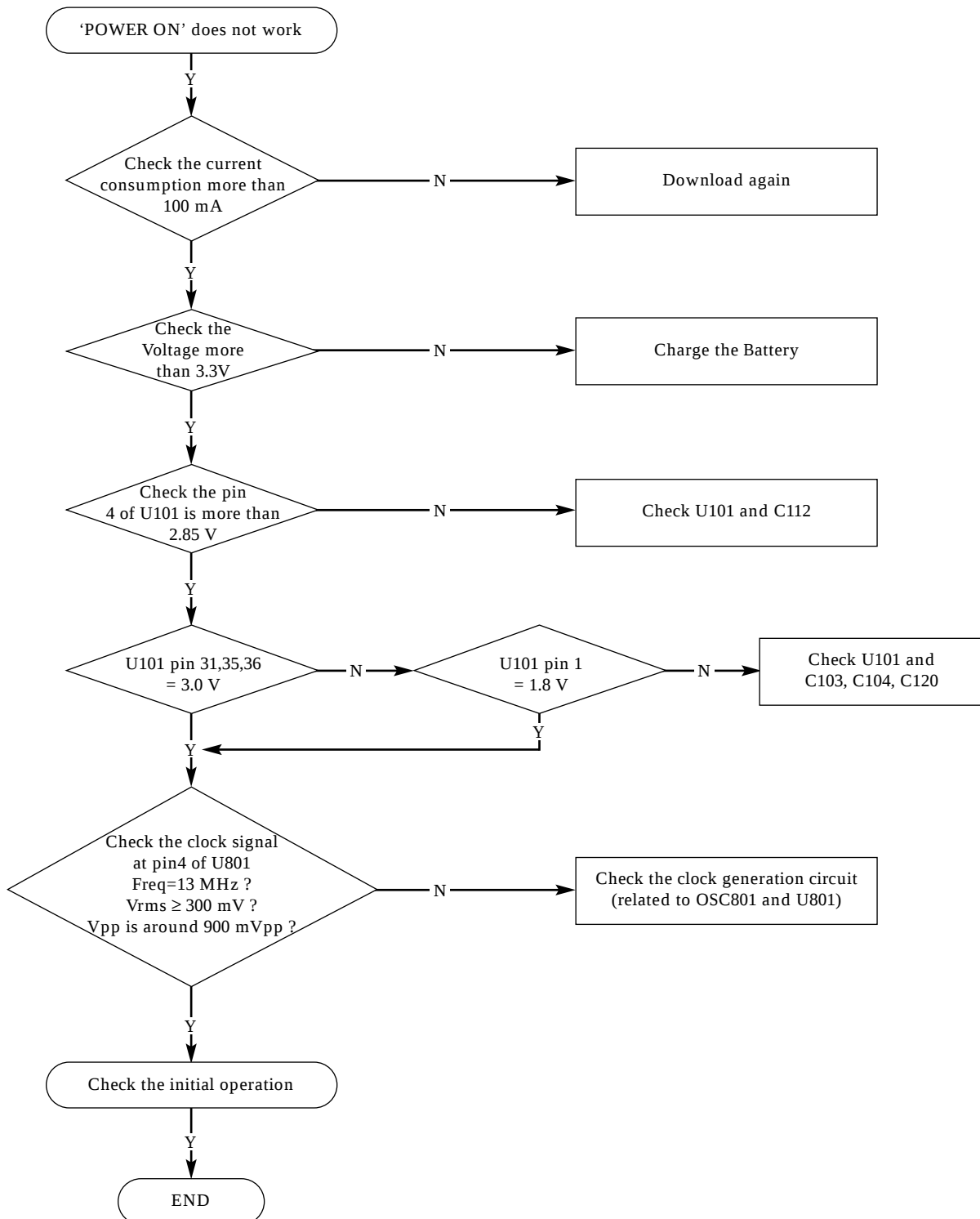


2. Main PCB Bottom Diagram

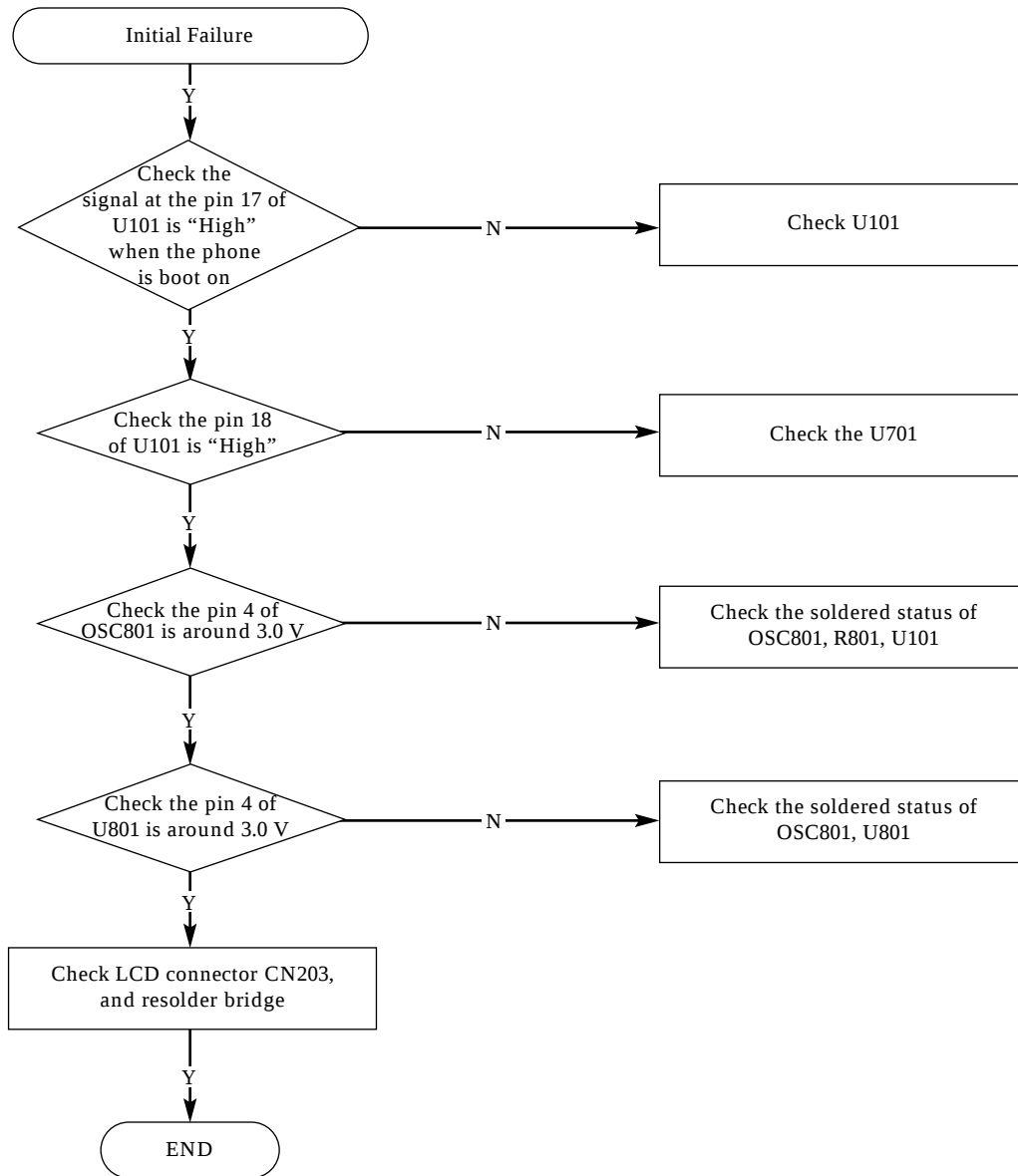


5.SGH-Q208 Flow Chart of Troubleshooting and Circuit Diagrams

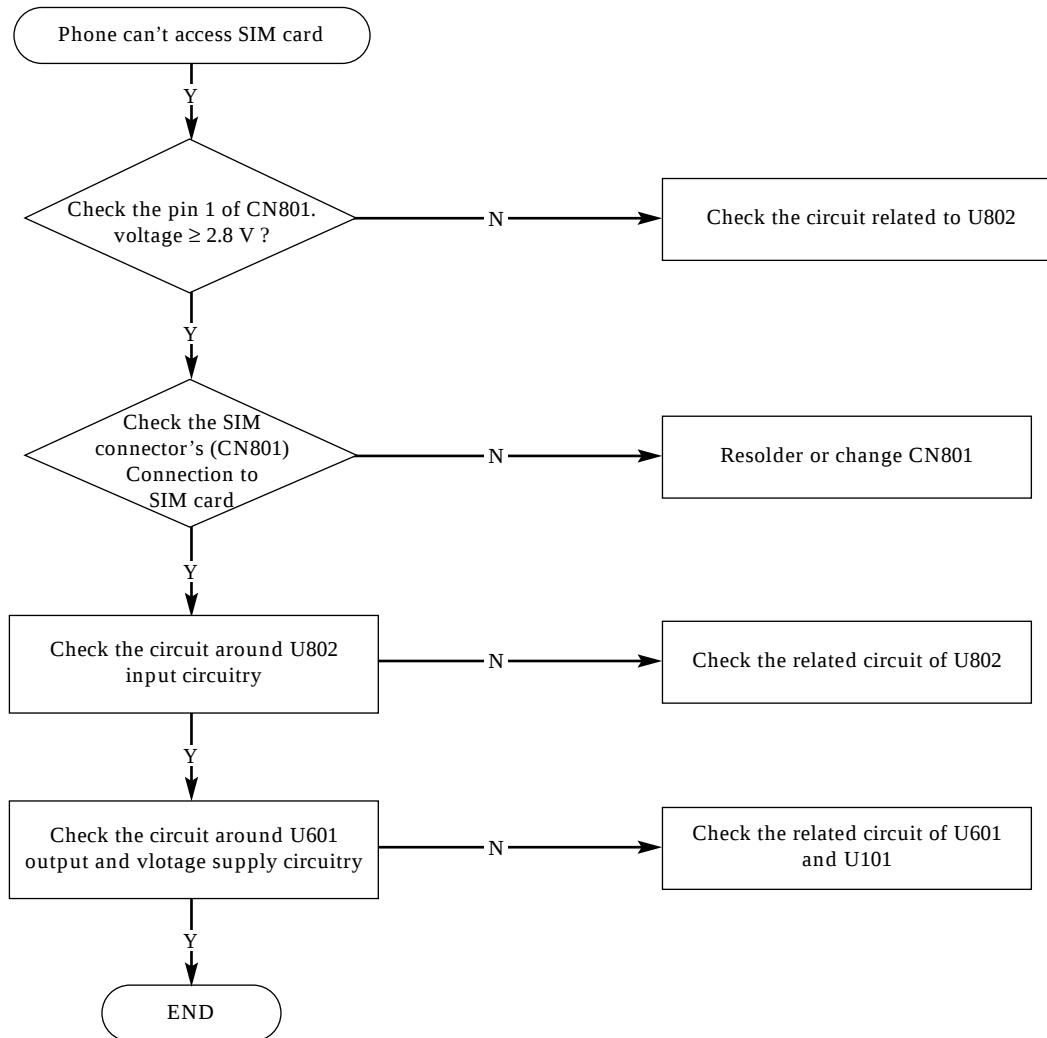
5-1. Power ON



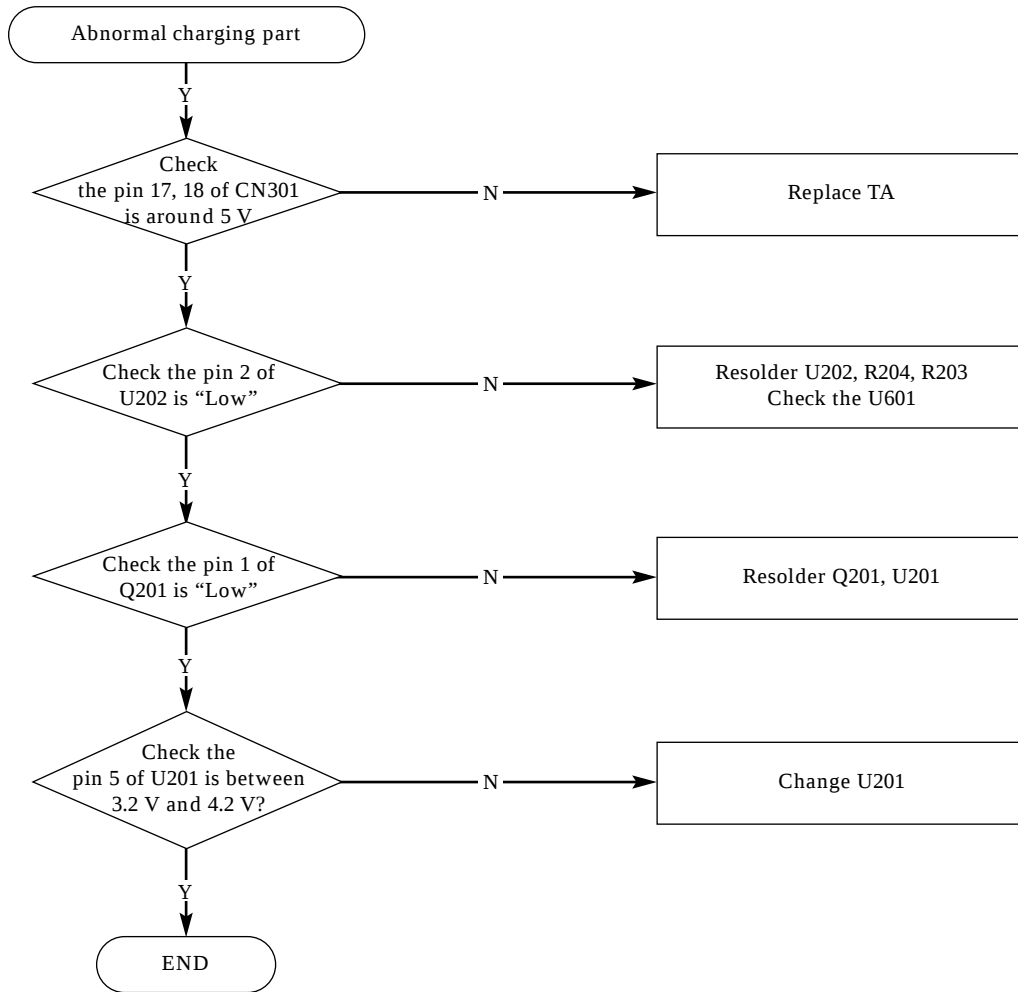
5-2. Initial



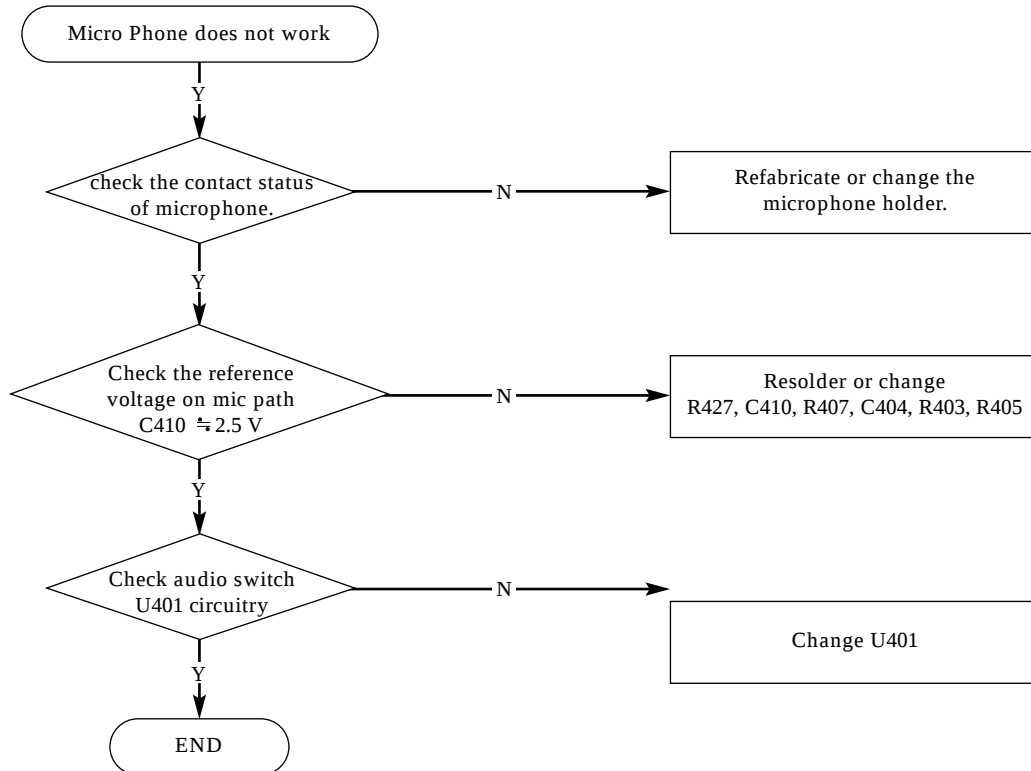
5-3. Sim Part



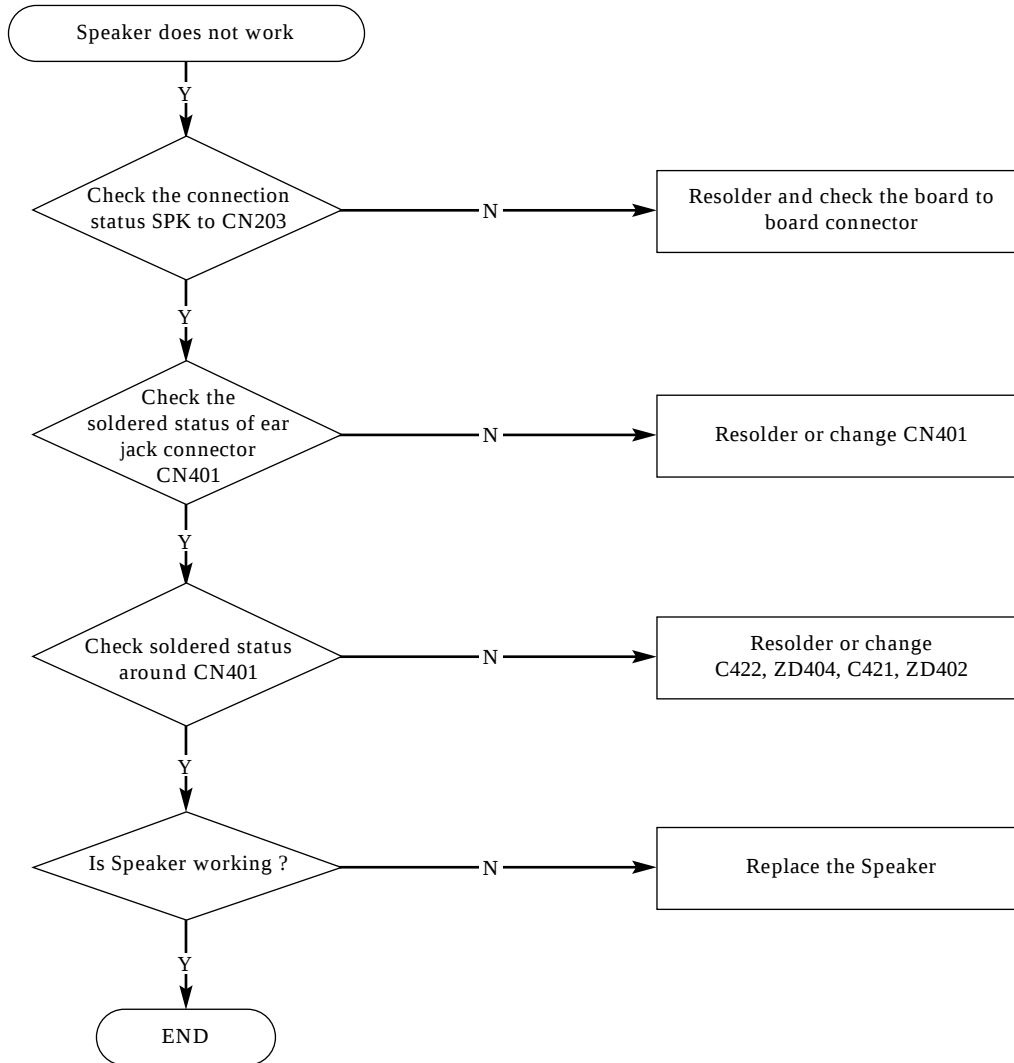
5-4. Charging Part



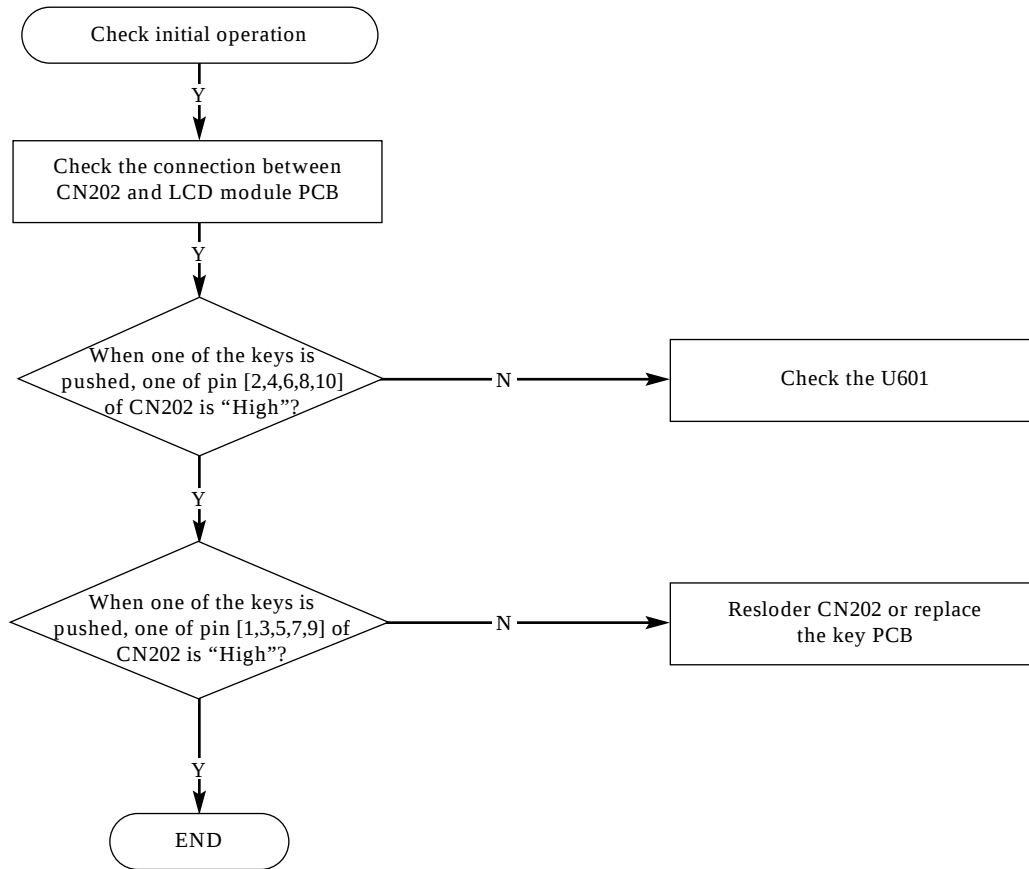
5-5. Microphone Part



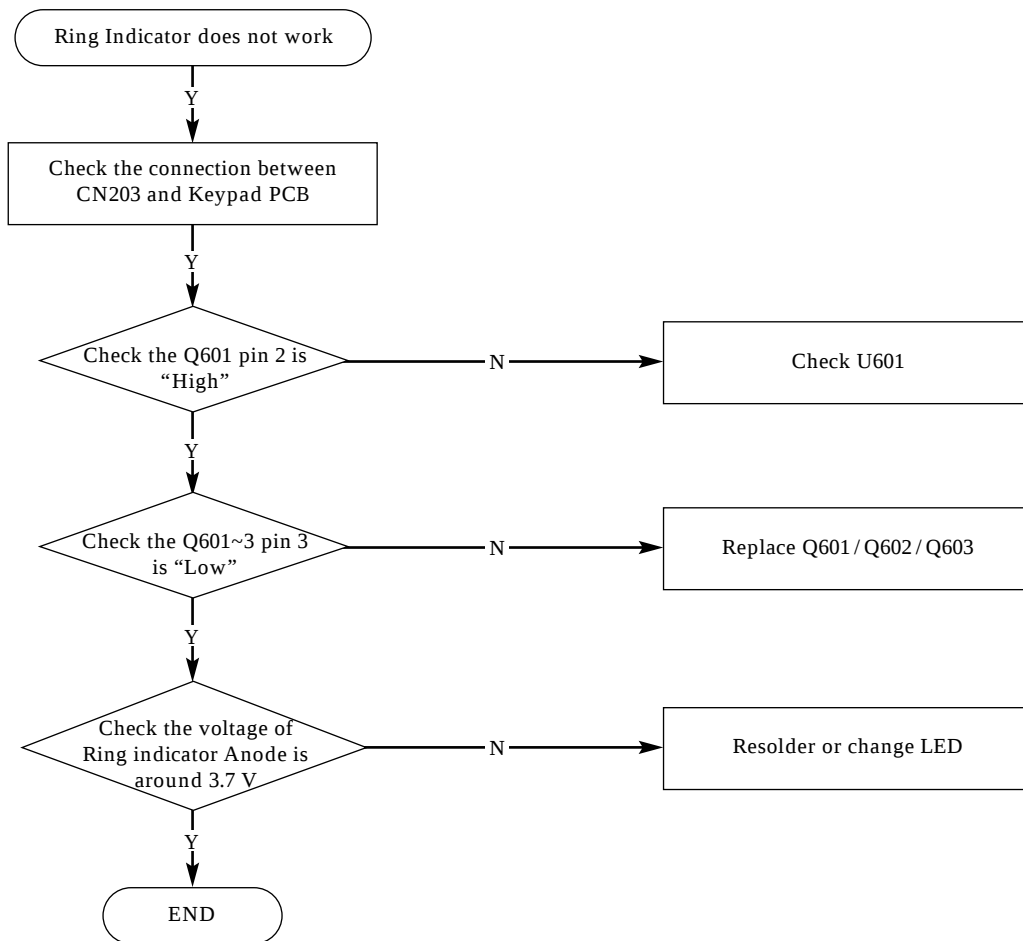
5-6. Speaker Part



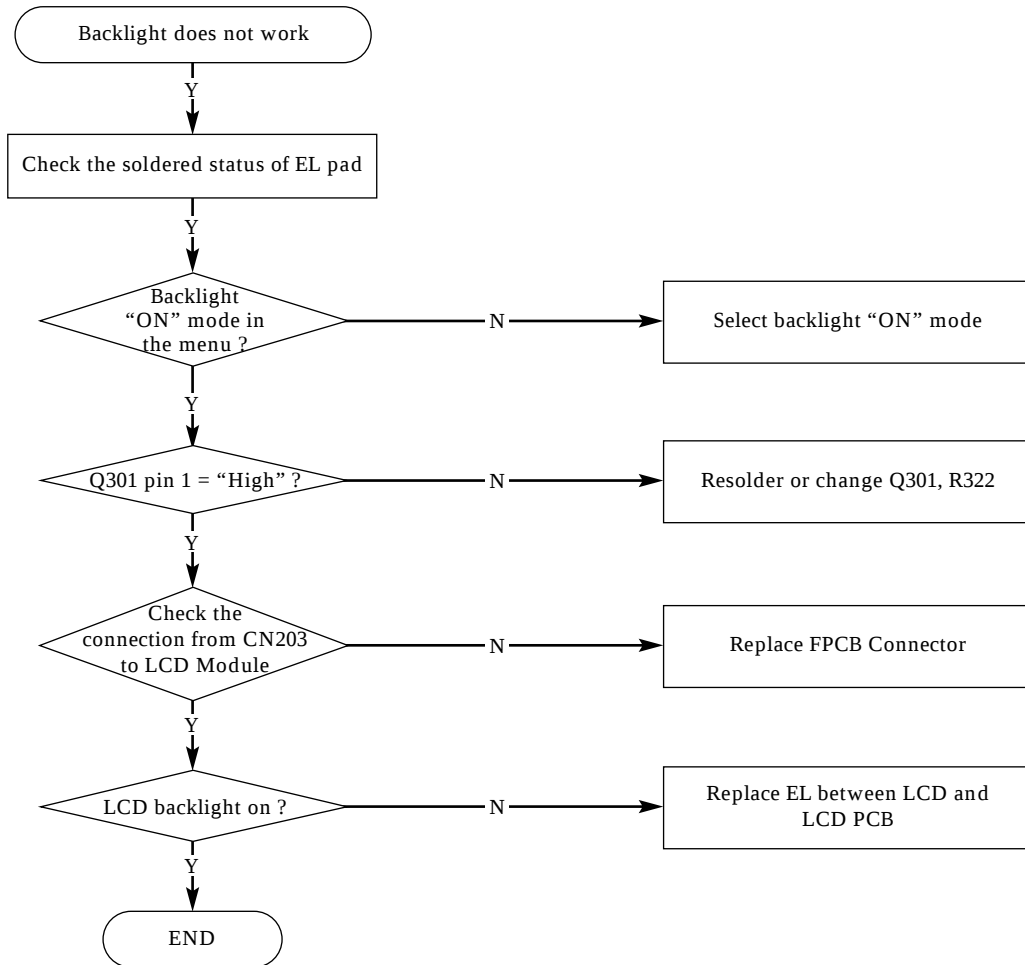
5-7. Key Data Input



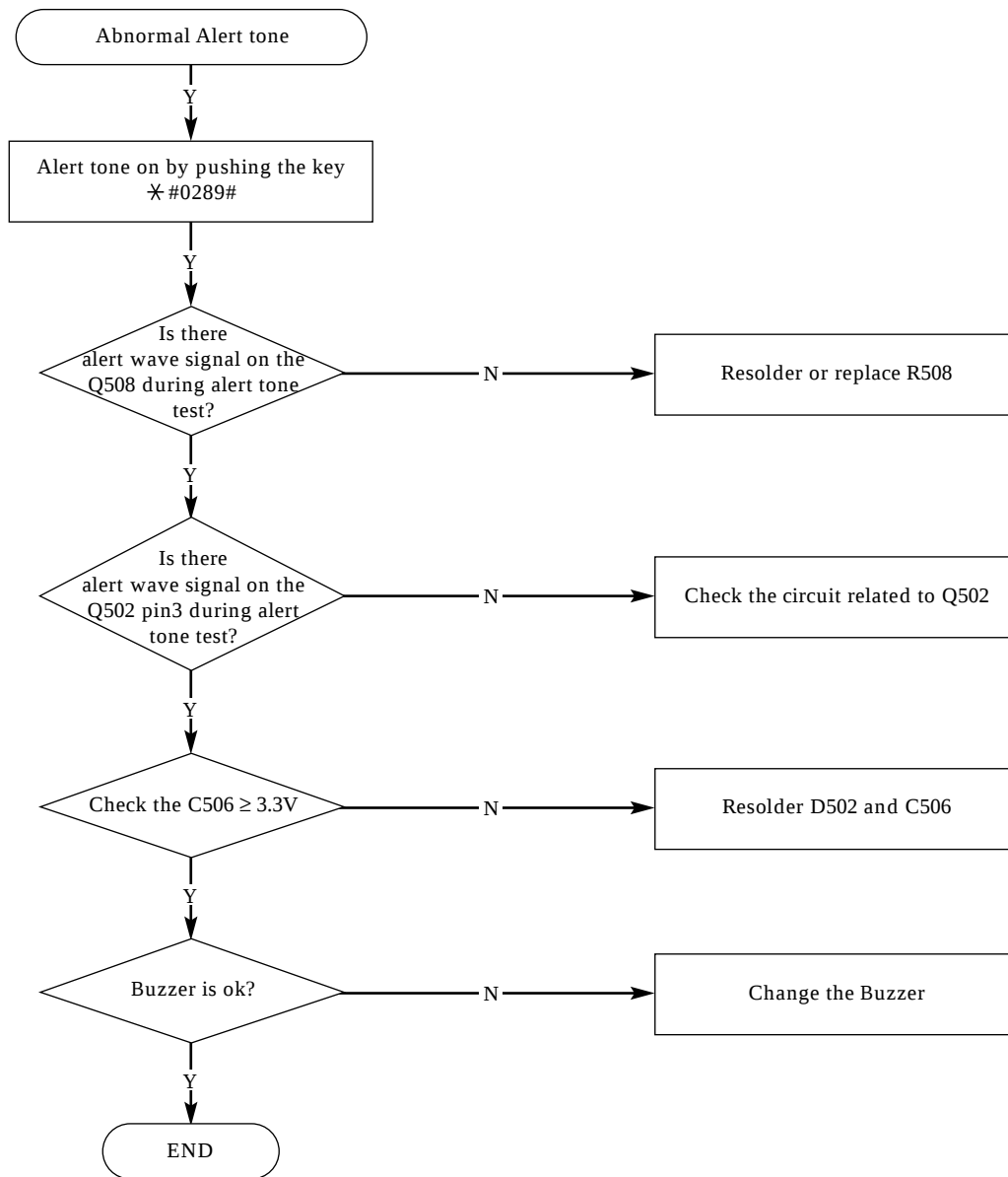
5-8. Ring Indicator



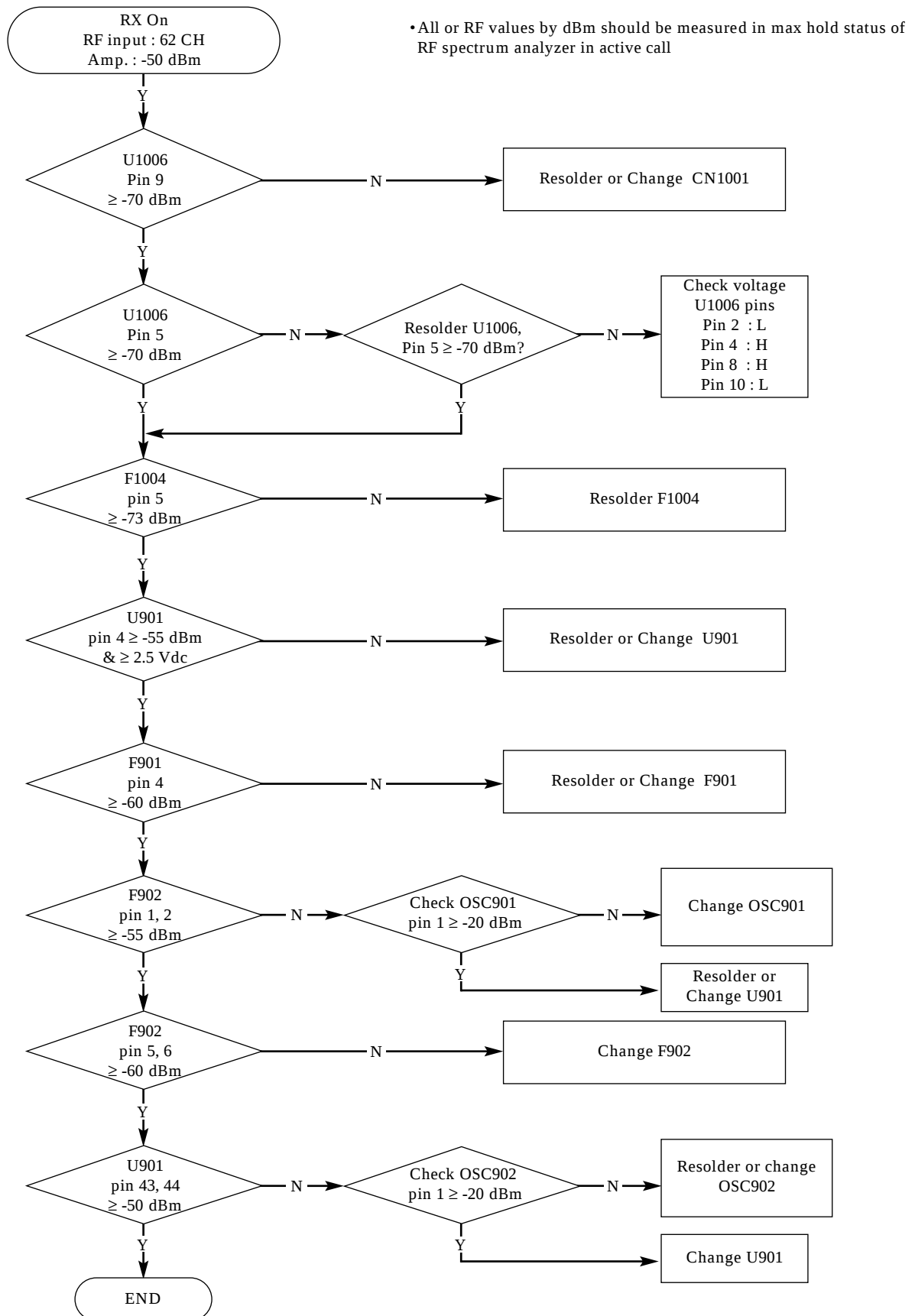
5-9. Back Light



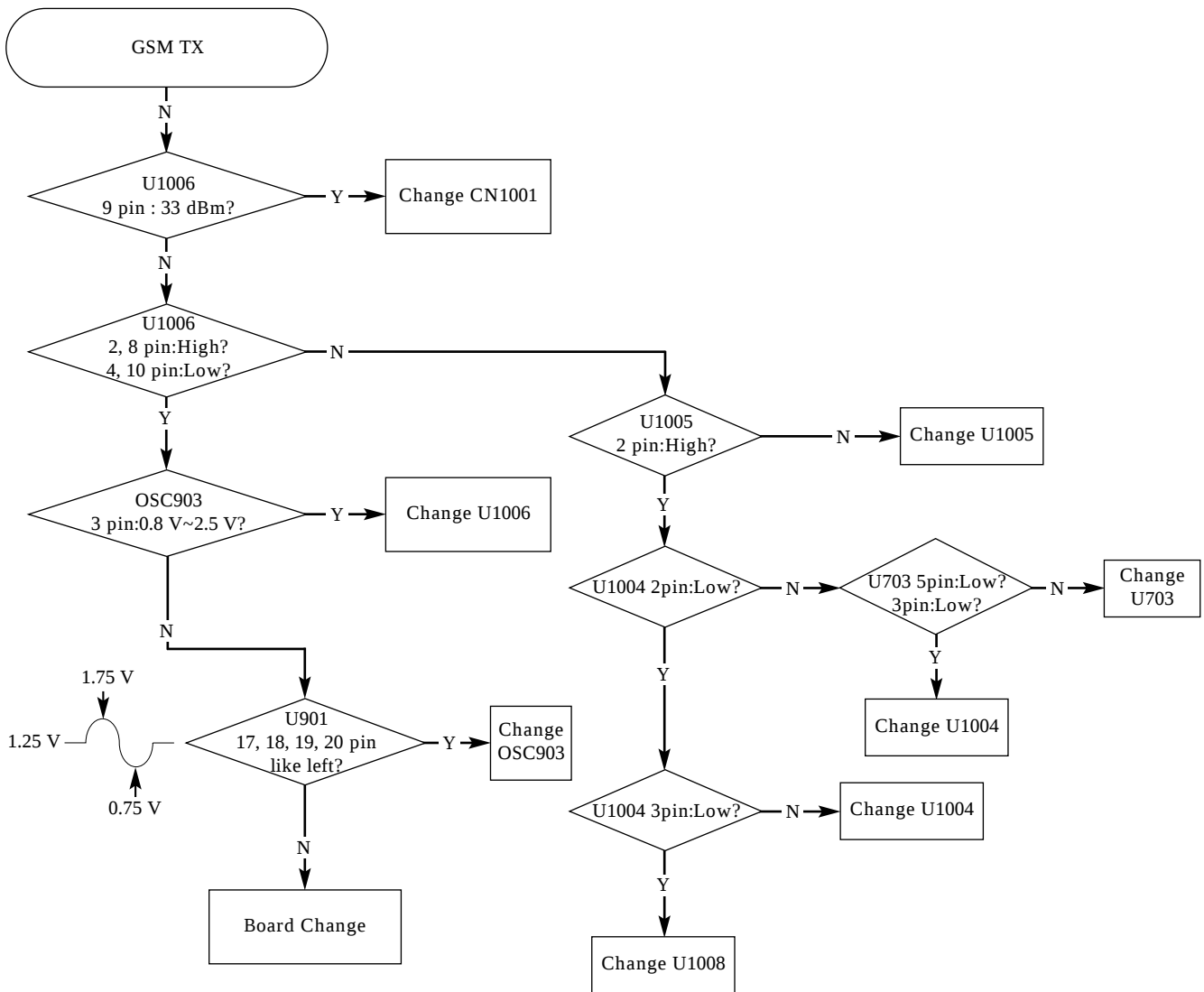
5-10. Alert Tone



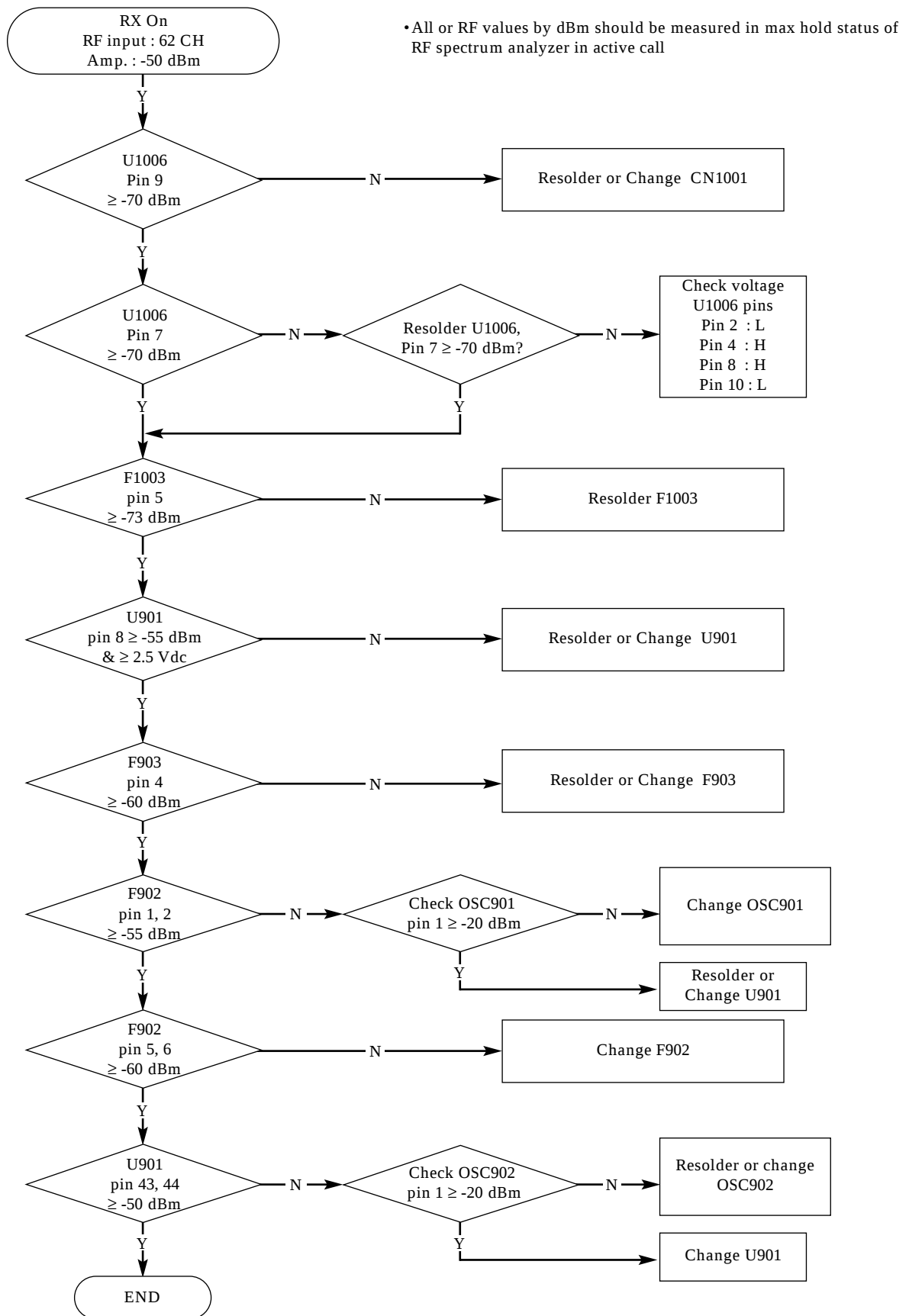
5-11. GSM Receiver



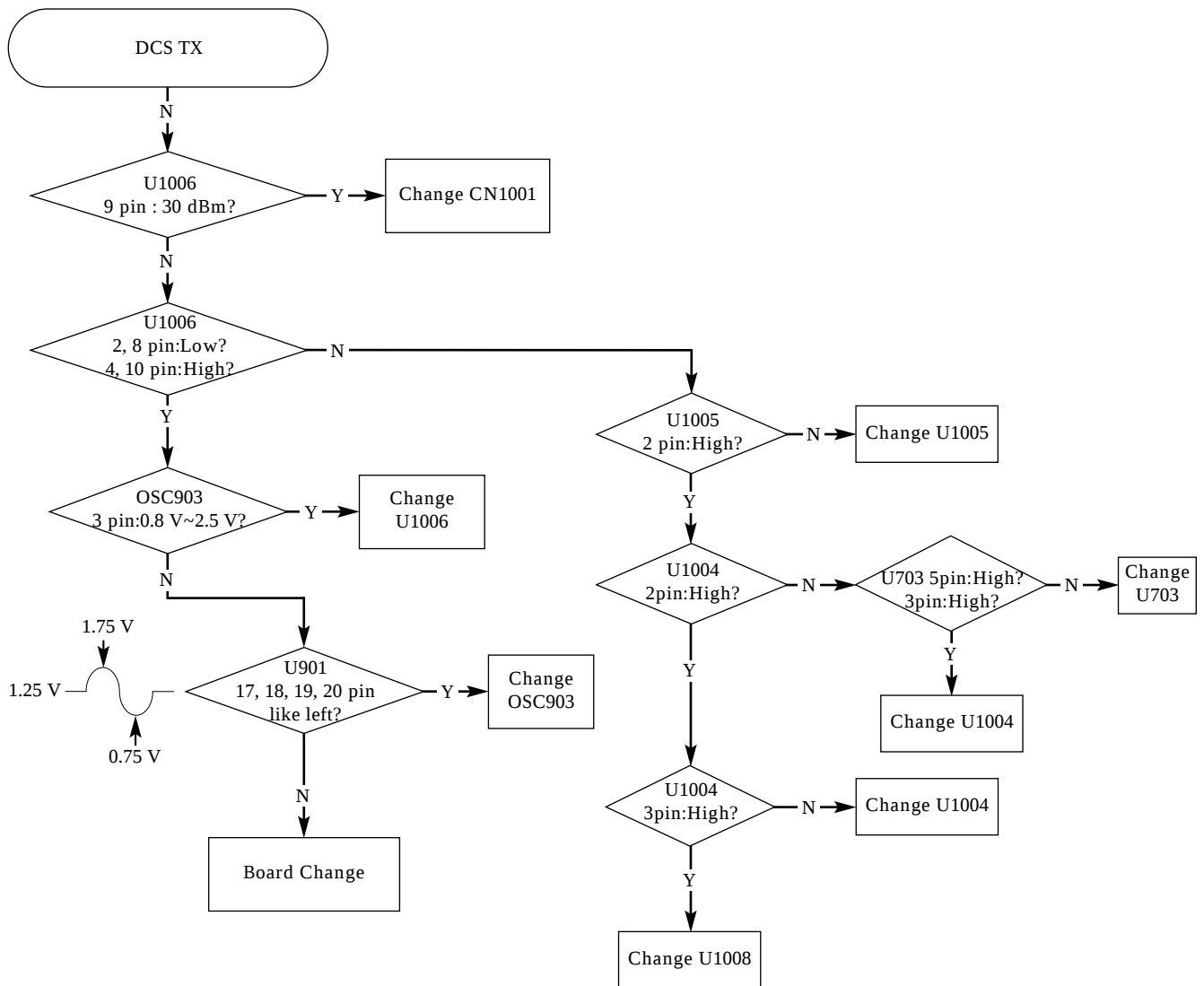
5-12. GSM Transmitter

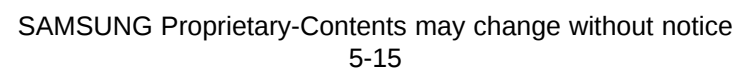


5-13. DCS Receiver

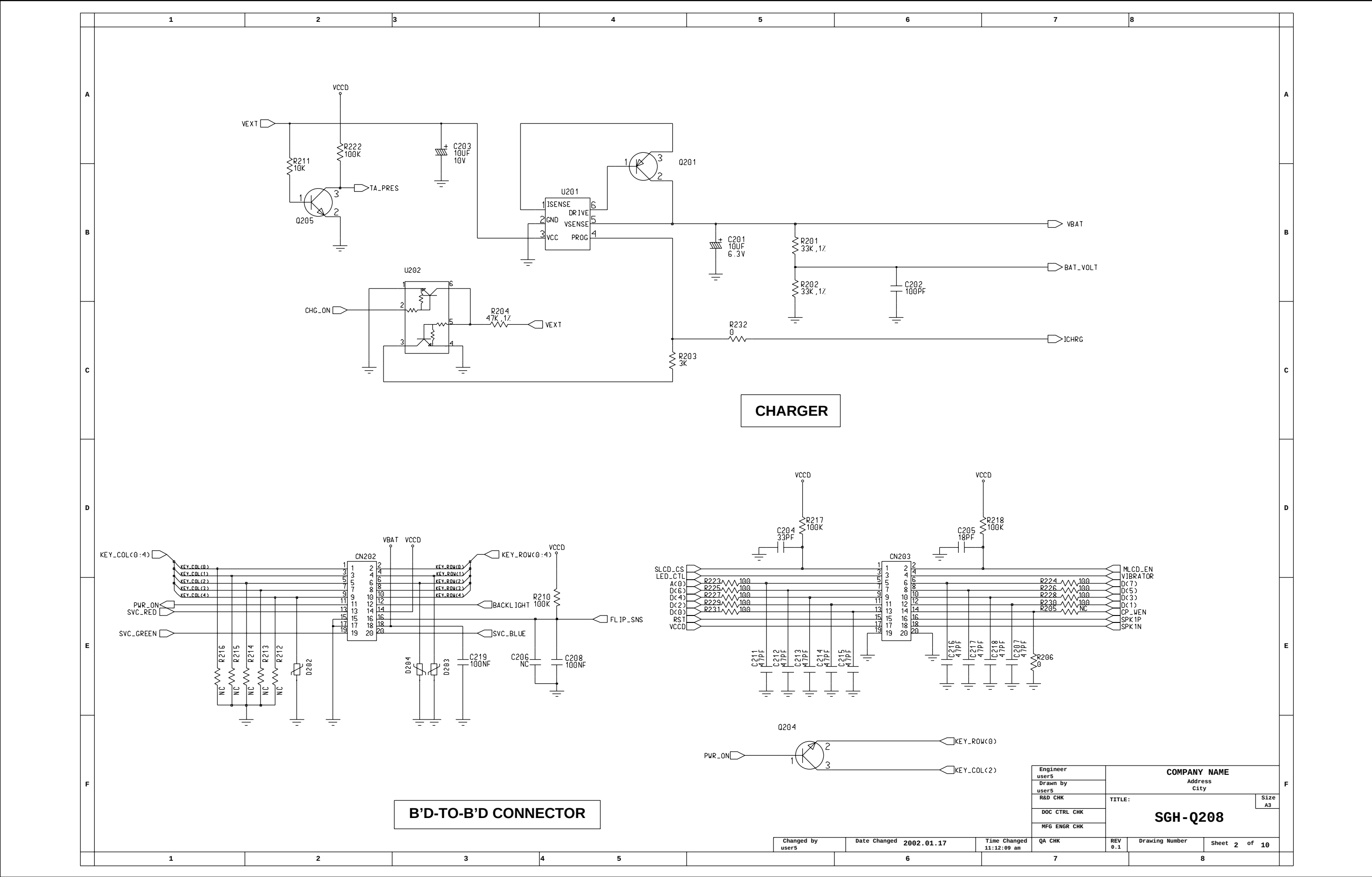


5-14. DCS Transmitter

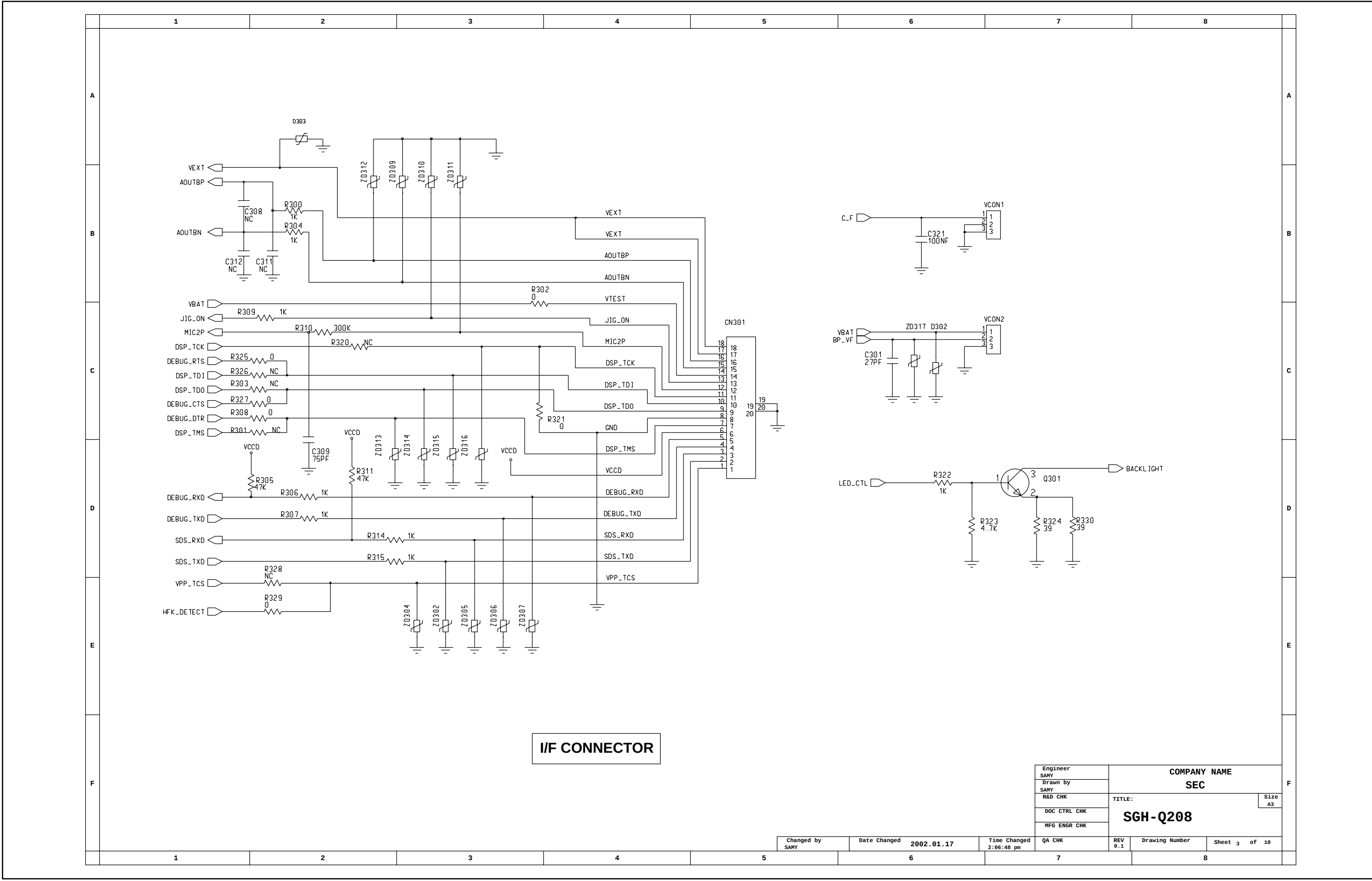




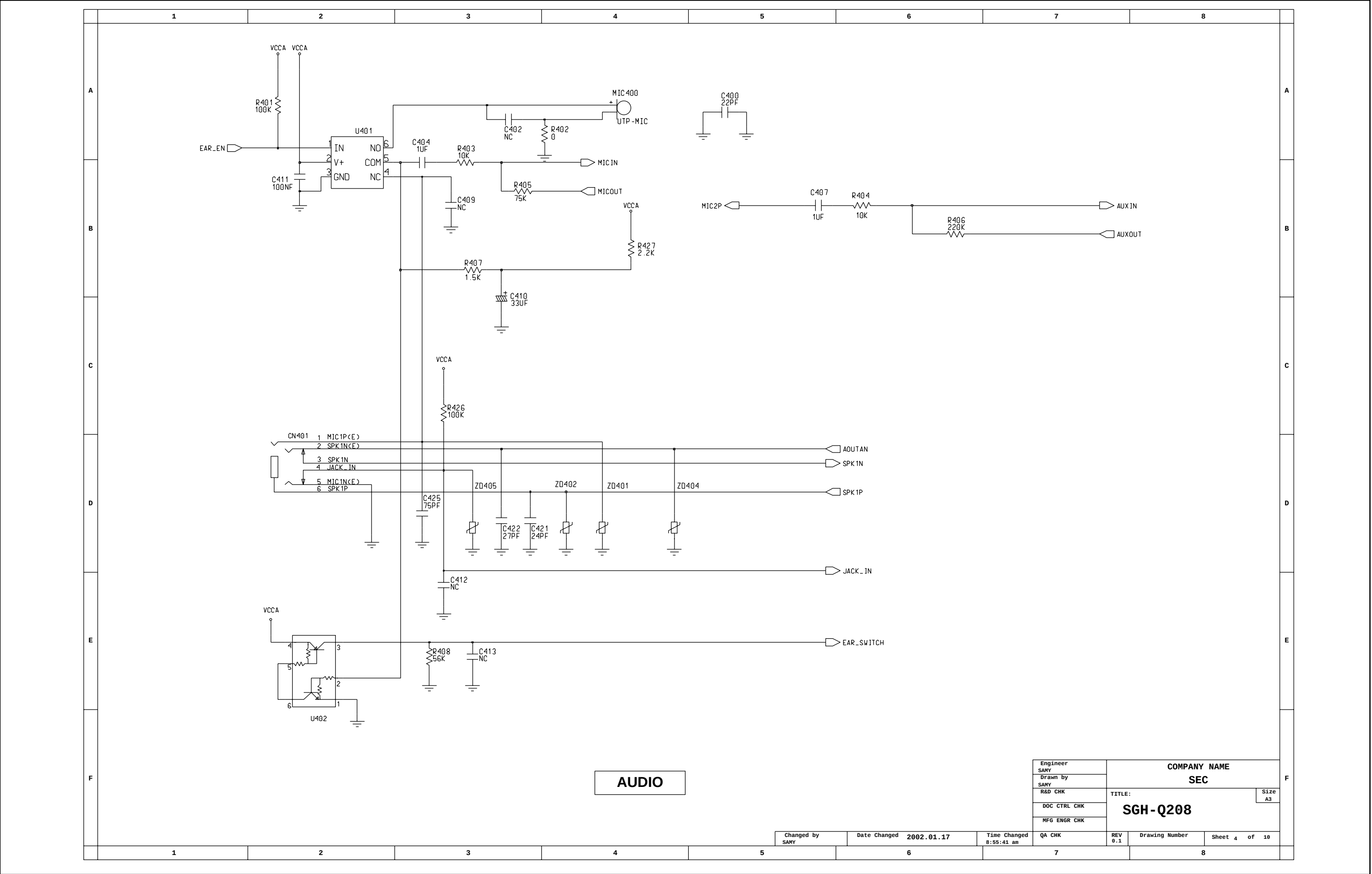
5-16. Charger & B'D-TO-B'D Connector Circuit Diagram



5-17. I/F Connector Circuit Diagram

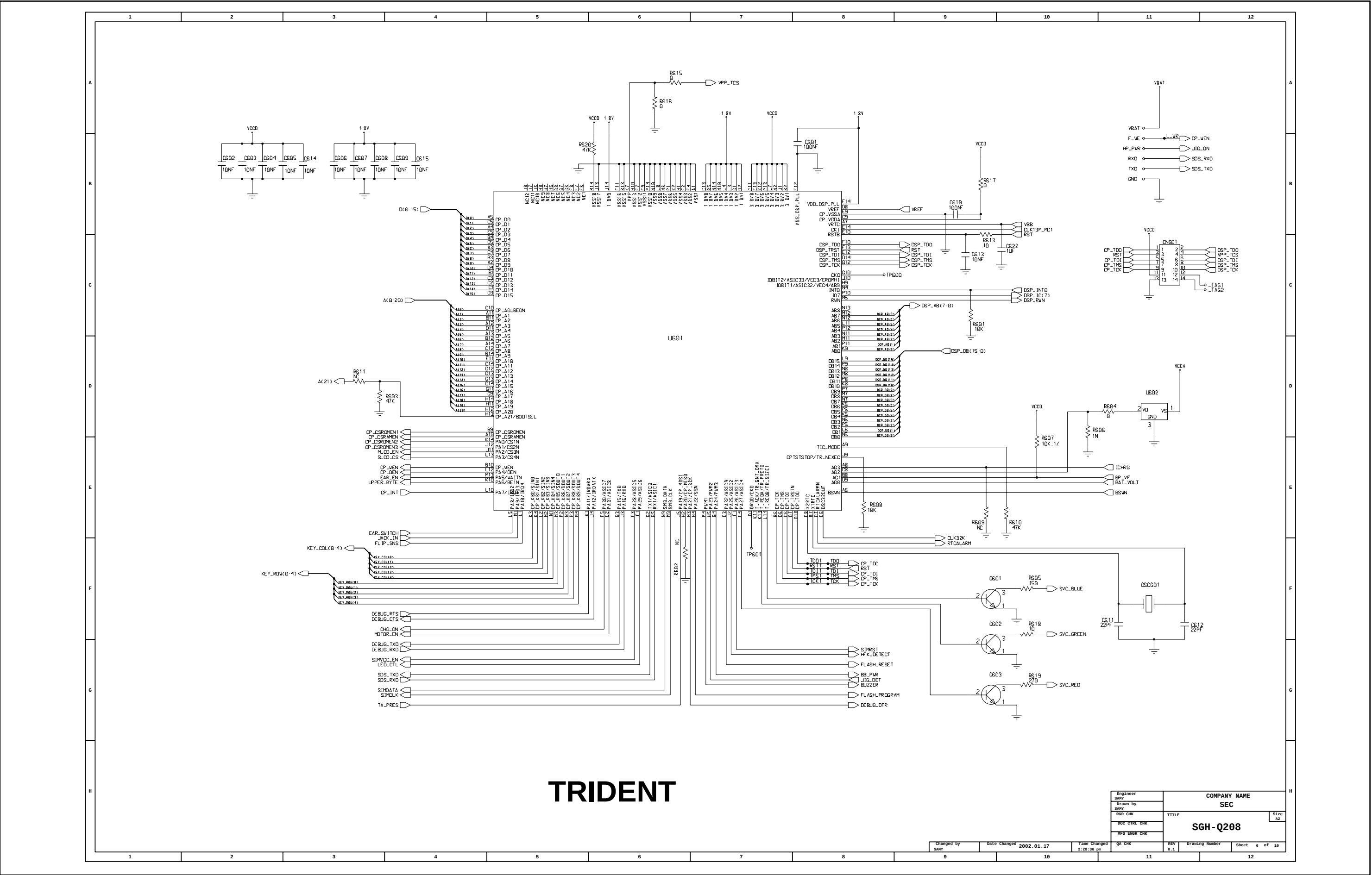


5-18. Audio Circuit Diagram

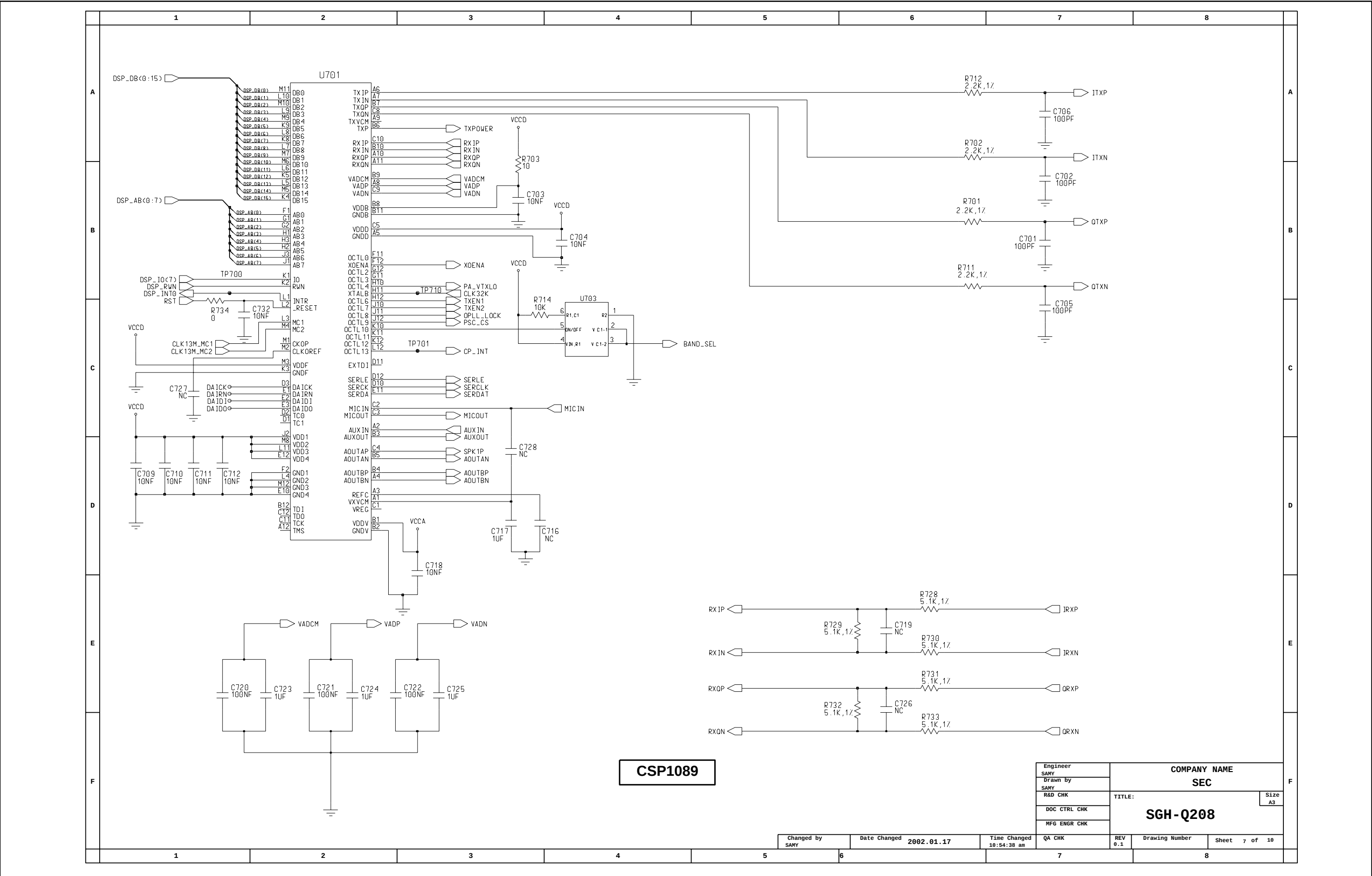




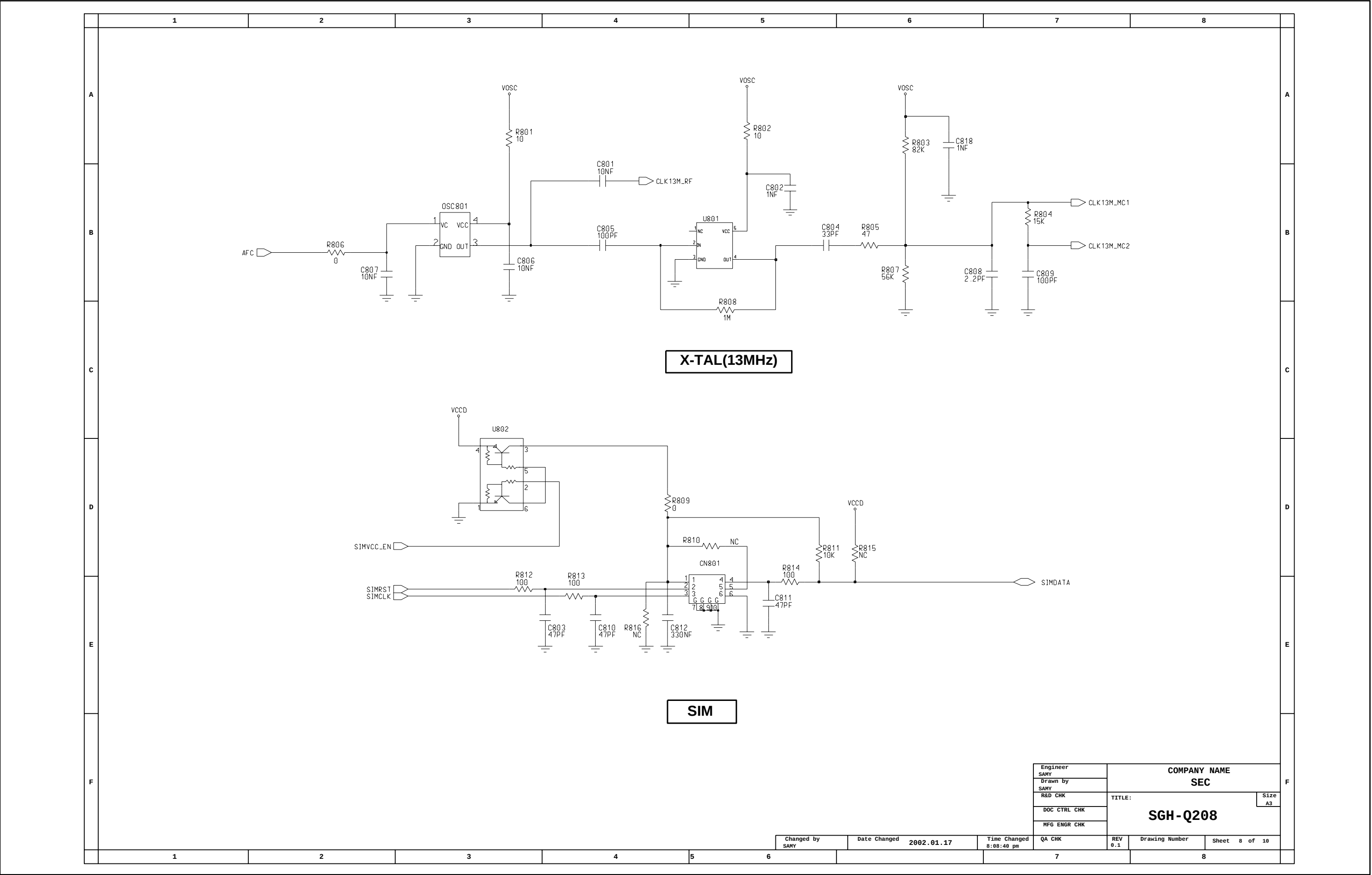
5-20. Trident Circuit Diagram



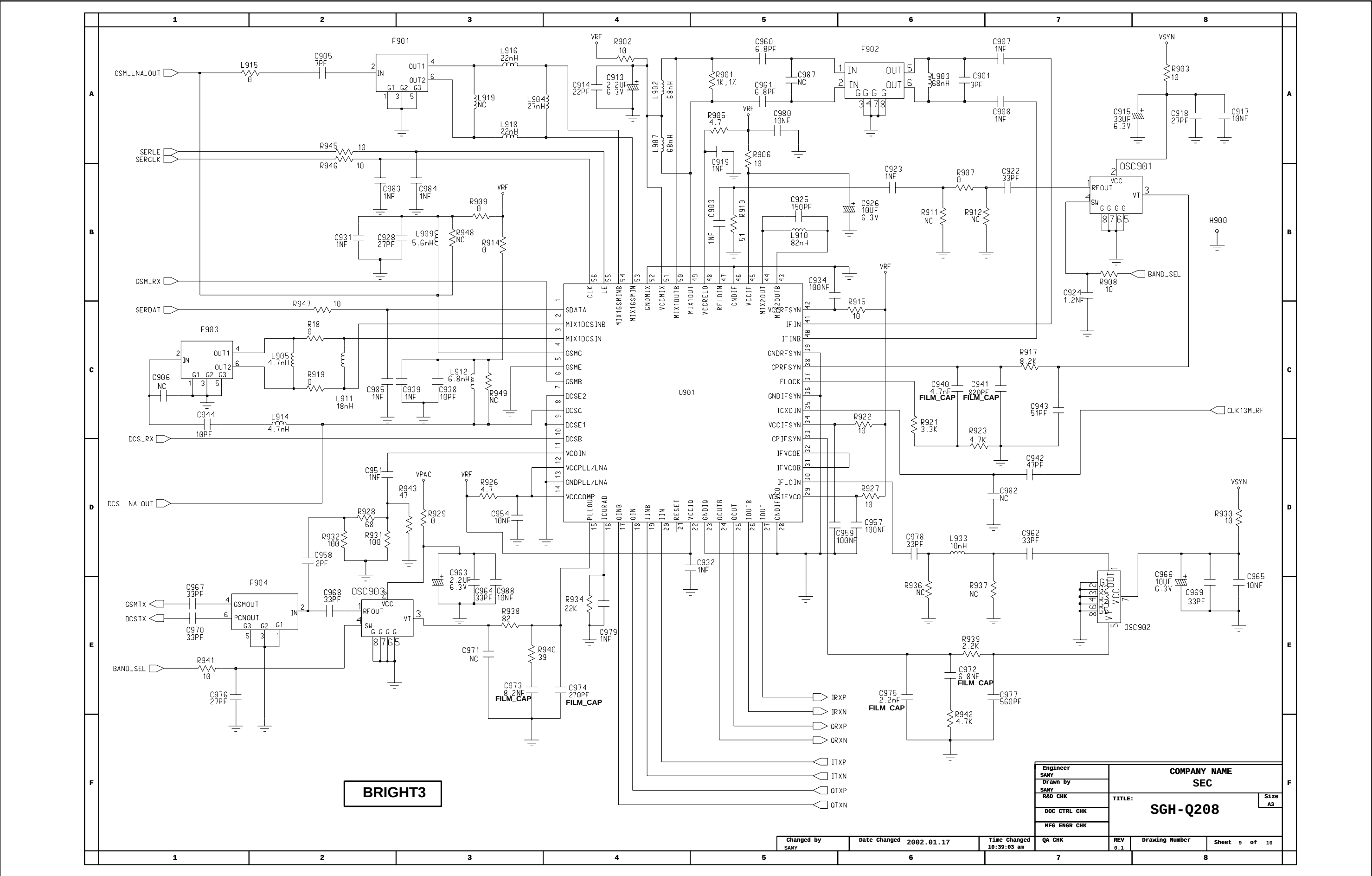
5-21. CSP1089 Circuit Diagram



5-22. X-TAL(13 MHz) & SIM Circuit Diagram



5-23. Bright3 Circuit Diagram



5-24. Transmitter & Receiver Circuit Diagram

