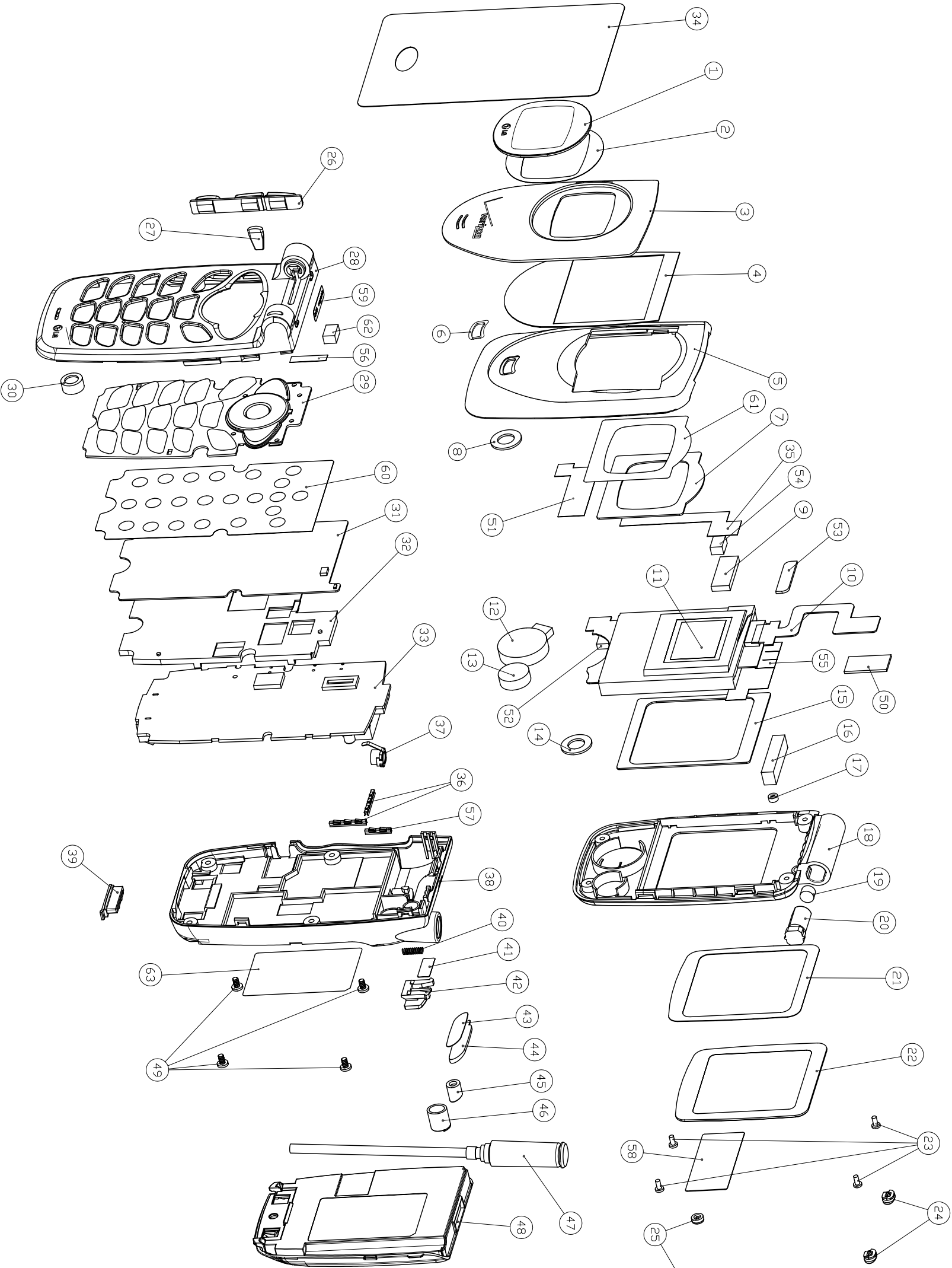
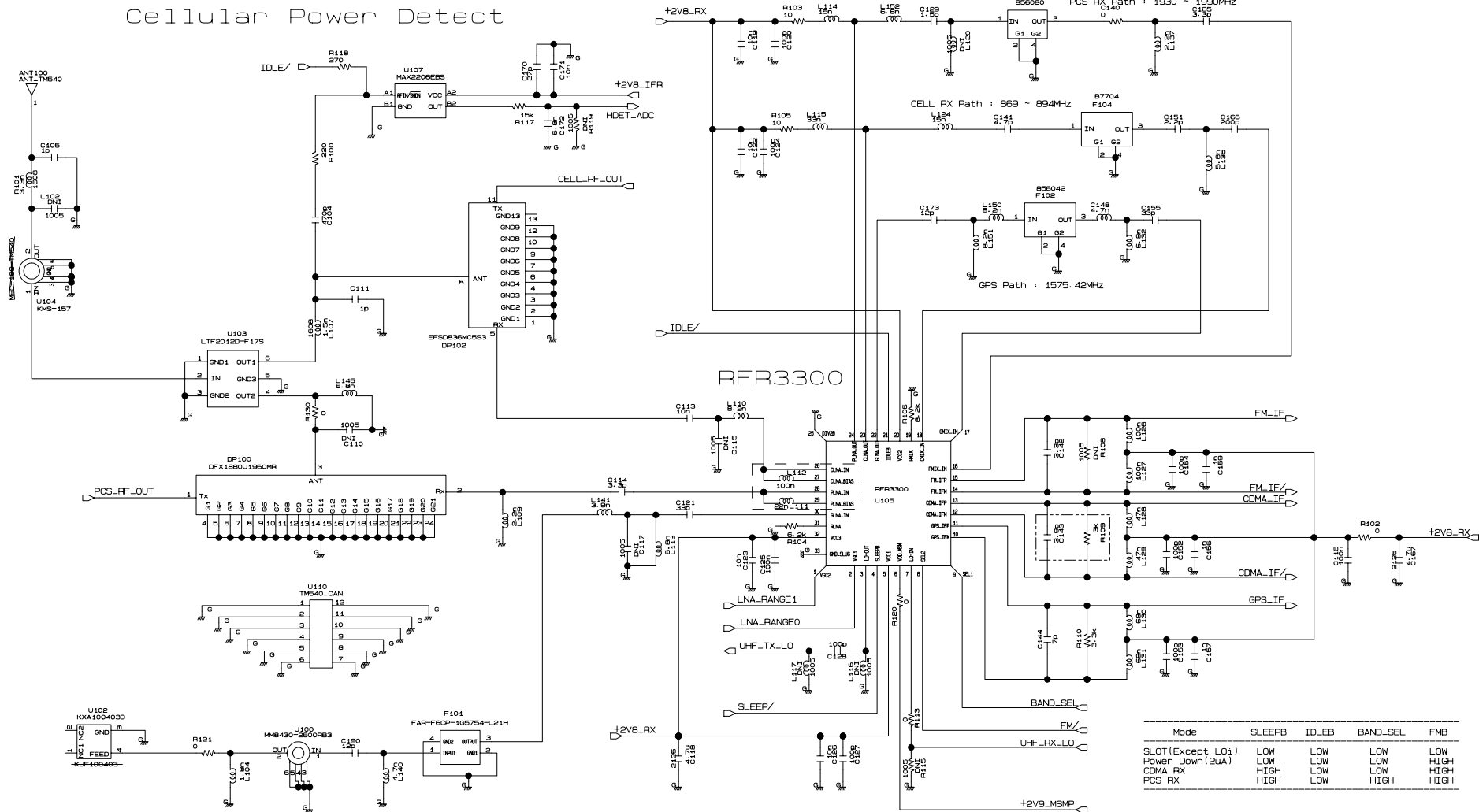


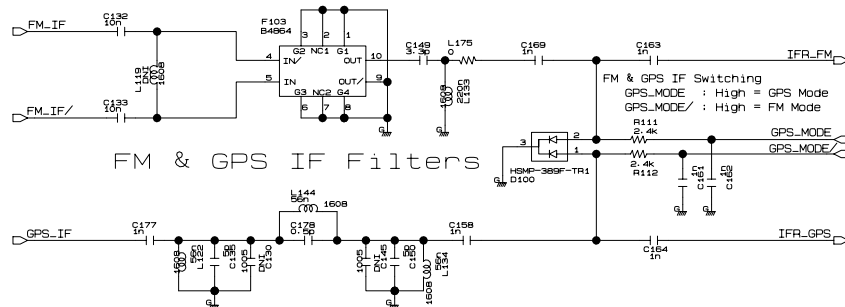


63	LABEL APPROVAL	1	MLA0002502	
62	PAD	1	MPB20020101	PORON
61	INSULATOR	1	MIB20015701	
60	DOME ASSY METAL	1	ADC40008201	DIMPLE TYPE
59	LABEL,DATA	1	MLAZ0032902	WHITE TEXT
58	STICKER,DATA	1	MSF2000901	BLACK TEXT
57	FINGER GROUND	1	MFC40000502	2PIN
56	GASKET EMI 3	1	MGAB0004301	12X3
55	GASKET EMI 4	1	MGAB0004401	37.7X13
54	GASKET SHIELD,FDRM 3	1	MGAD0017601	6X4,t=3
53	GASKET EMI	1	MGAB0003701	16.2X4,t=1.0
52	GASKET SHIELD FDRM	1	MGAD0013901	4X5,t=2
51	GASKET EMI	1	MGAB0003601	14X28.8
50	GASKET SHIELD FDRM	1	MGAD0014001	14X8,t=0.3
49	SCREW MACHINE	4	GMZ20001701	M1.7X4.0
48	BATTERY PACK	1	SBPL0065401	
47	ANTENNA	1	SNMR0005301	
46	CAP MOBILE SWITCH	1	MCCF0006301	
45	CAP MOBILE SWITCH	1	MCCF0006401	
44	LABEL FUNCTION	1	MLAG0000301	
43	TAPE(LABEL FUNCTION)	1	MTAZ0007701	
42	LOCKER BATTERY	1	MLEA0006301	
41	LABEL QUALCOMM	1	MLAN0000601	BLACK TEXT
40	SPRING LOCKER	1	MSDC0003701	
39	CAP RECEPTACLE	1	MCECE0005301	
38	COVER REAR	1	MCJN0008301	
37	CONTACT ASSY ANTENNA	1	ACFY0001001	
36	FINGER GROUND	2	MCCA0000503	
35	GASKET EMI 5	1	MGAB0004501	40.5X13
34	TAPE PROTECTION	1	MTAB0006301	
33	PCB ASSY MAIN	1	SAFY0054901	
32	FRAME SHIELD	1	MFEA0002601	
31	PCB ASSY KEYPAD	1	SAEY0018401	
30	MICROPHONE	1	SUMY0000803	
29	KEYPAD	1	MKAZ0009801	
28	COVER FRONT	1	MCJK0010901	
27	INDICATOR LED	1	MIAA0006501	
26	BUTTON SIDE	1	MBJL0005201	
25	CAP SCREW	2	MCCH0001409	
24	CAP SCREW	2	MCCH0007401	
23	SCREW MACHINE	4	GMZZ0006001	M1.4X3.5
22	WINDOW LCD	1	MVAC00020701	
21	TAPE WINDOW	1	MTAD0008401	
20	HINGE FOLDER	1	MHF00000501	
19	STOPPER HINGE	1	MSGB0000501	
18	COVER FOLDER LOWER	1	MCJH0006301	
17	MAGNET SWITCH	1	MMAA0000301	
16	PAD FLEXIBLE PCB	1	MPBF0001201	
15	PAD LCD	1	MPBG0007501	
14	PAD MOTOR	1	MPBJ0003801	
13	VIBRATOR MOTOR	1	SJMY0003801	
12	TWO WAY MODE SPEAKER	1	SUVY0000701	
11	LCD	1	SVLY0012801	
10	PCB ASSY FLEXIBLE	1	SACV0007301	
9	PAD FLEXIBLE PCB	1	MPBF0001101	
8	PAD MOTOR	1	MPBJ0003802	
7	PAD LCD(SUB)	1	MPB80005001	
6	FILTER SPEAKER	1	MFCB0001701	
5	COVER FOLDER UPPER	1	MCJU0009701	
4	TAPE DECO	1	MTAA0012701	
3	DECO FOLDER(UPPER)	1	MDAE0007701	
2	TAPE WINDOW(SUB)	1	MTAE0004001	
1	WINDOW LCD(SUB)	1	MWAF0005301	
N/D.	DESCRIPTION	QTY	DRAWING NO.	REMARK

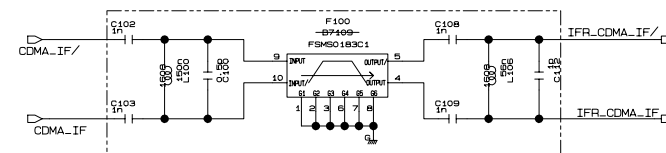
Cellular Power Detect



FM & GPS IF Filters



CDMA IF Filter



Maker	F100	R109	C143	C102	C103	C100	L100	C108	C109	C112
EPCOS	B7109	3.3k	2.2pF	10nF	10nF	DNI	27n	10nF	10nF	DNI
LGIT	FSMS0183C1	3k	3.9pF	1nF	1nF	0.5pF	150n	1nF	1nF	1pF

DRAW : J. K. Lee
 DATE : 2002.09.27.
 CHKD : W. K. Choi
 APRO : Y. C. Park
 REF
 MAN
 ISSUE : Rev. 1.2
 CONTENT :

Build-Up
 8 Layer(1.0t)
 VIA Type :
 1-2, 7-8,
 2-7, 1-8

Change
 L104, U102

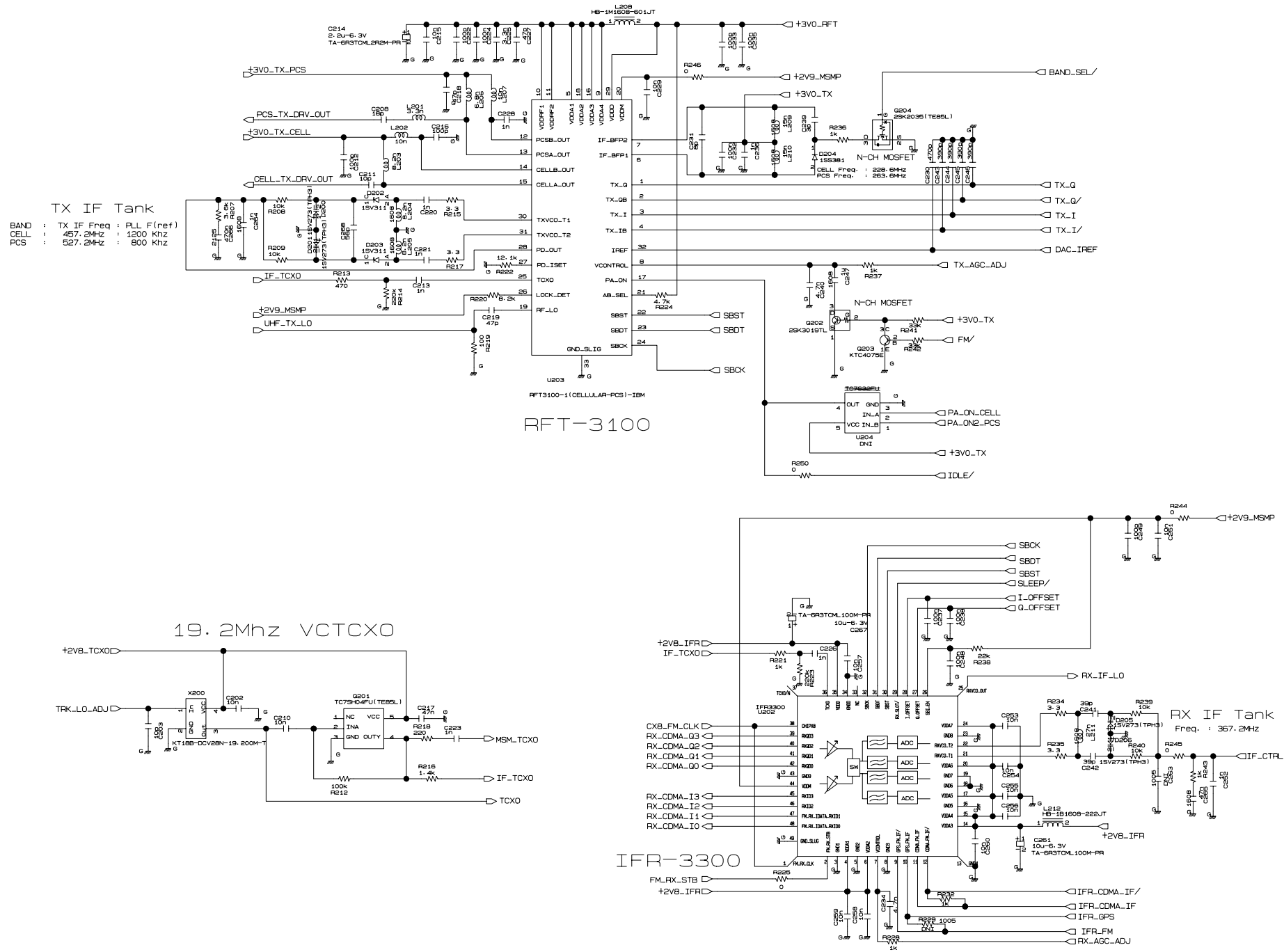
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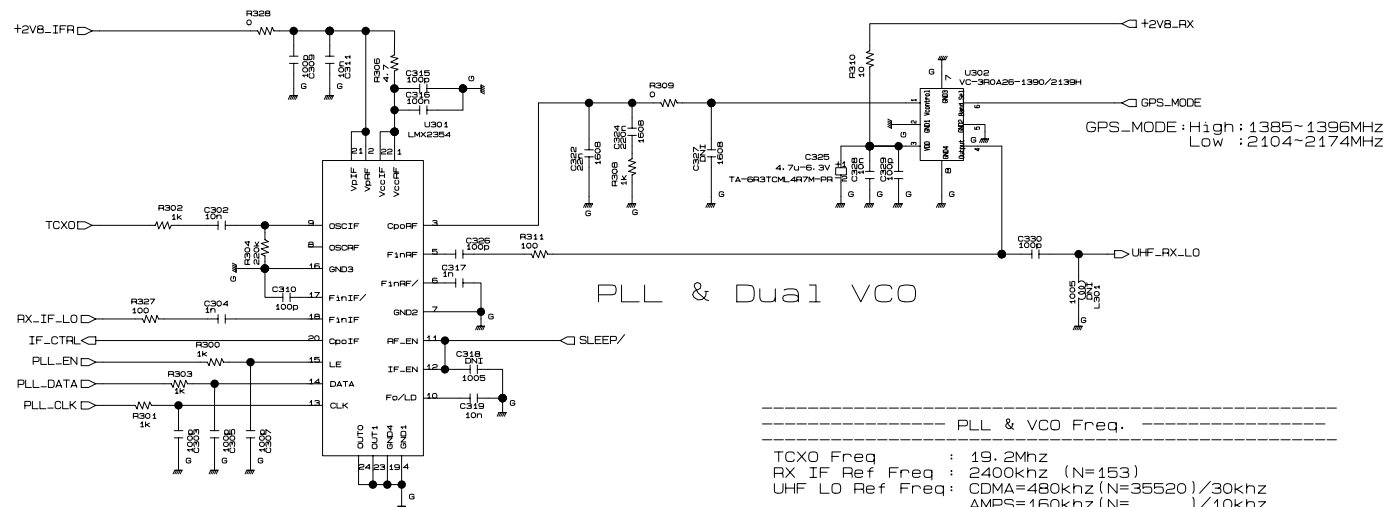
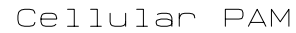
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Insert

Delete

Change





PLL & Dual VCO

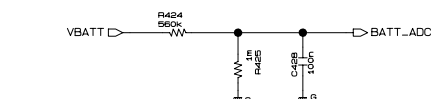
- PLL & VCO Freq.

```

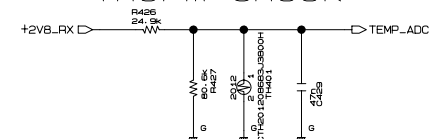
TCXO Freq      : 19.2Mhz
RX IF Ref Freq : 2400khz (N=153)
UHF LO Ref Freq: CDMA=480khz (N=35520)/30khz
                AMPS=160khz (N=          )/10khz
                PCS= 800khz (N=42872)/50khz
                GPS= 1391.82 mhz

```

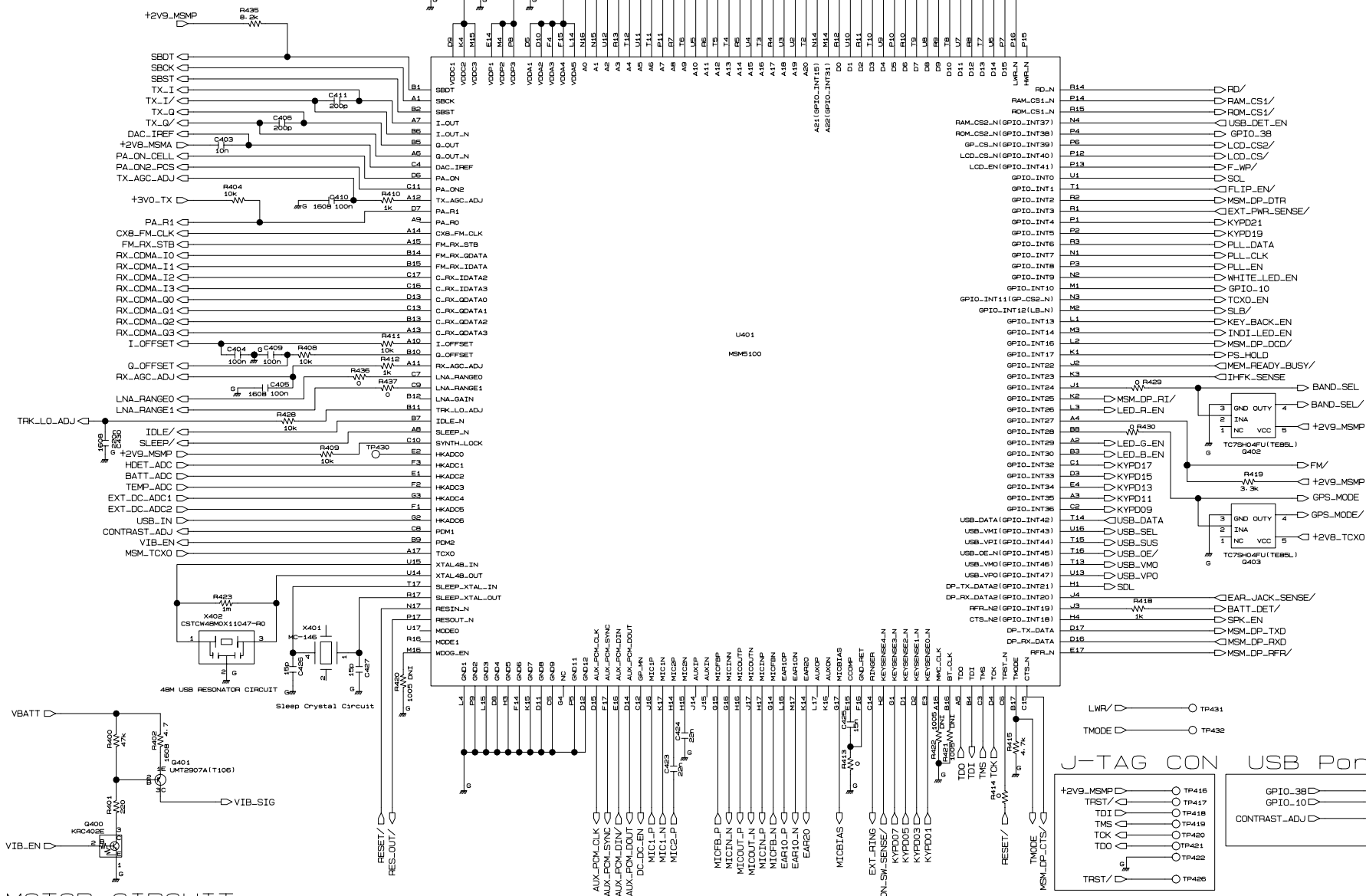
Battery Level Check



Therm Check



MSM5100



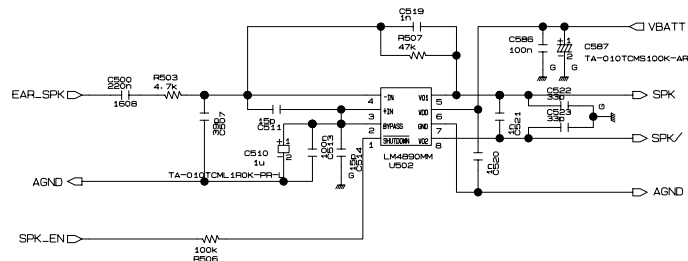
Change

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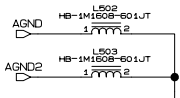
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MOTOR CIRCUIT

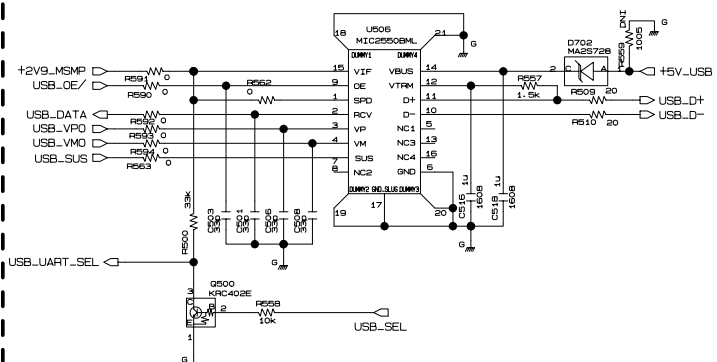
Audio Amp.



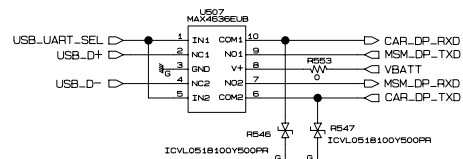
AUDIO Ground



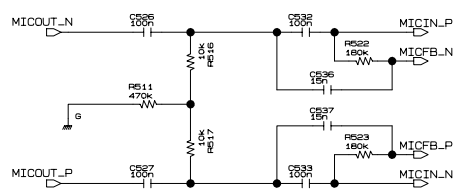
USB Transceiver



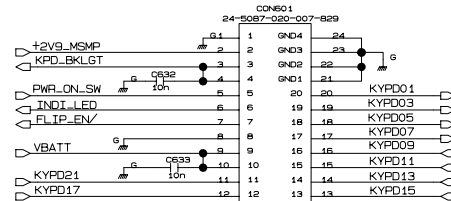
USB & UART Switch Circuit



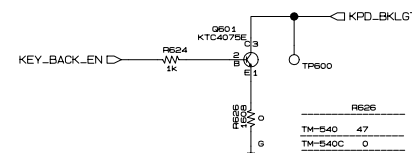
MIC FILTER NETWORK



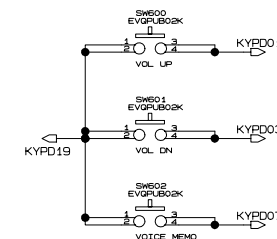
MIC INPUT

B'd to B'd CONN
(20Pin Socket)

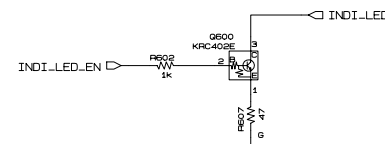
Keypad Backlight



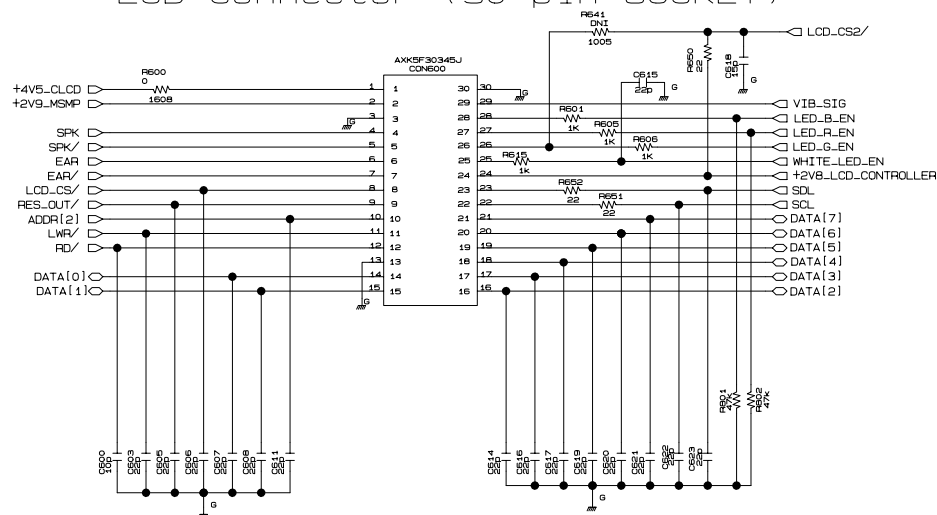
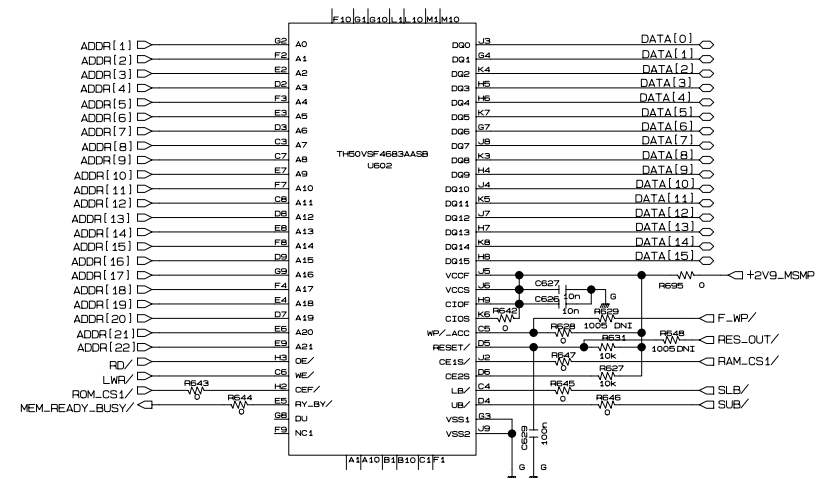
Side Key



Indicator LED



LCD Connector (30 pin SOCKET)

MCP [Flash(64M)+SRAM(32M)]
Toshiba

** The Optional Values of VX4100/VX4400 **

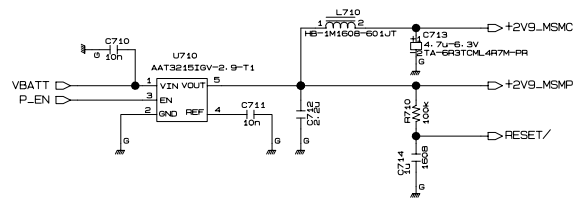
Model	R600	R641	R650	R601	R605	R606	R651	R652	C622	C623	R801	R802
VX4100	DNI	1K	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI	DNI
VX4400	0	DNI	1K	1K	1K	1K	0	0	22pF	22pF	47k	47k

Change

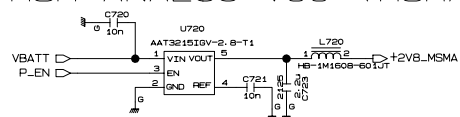
Insert

Delete

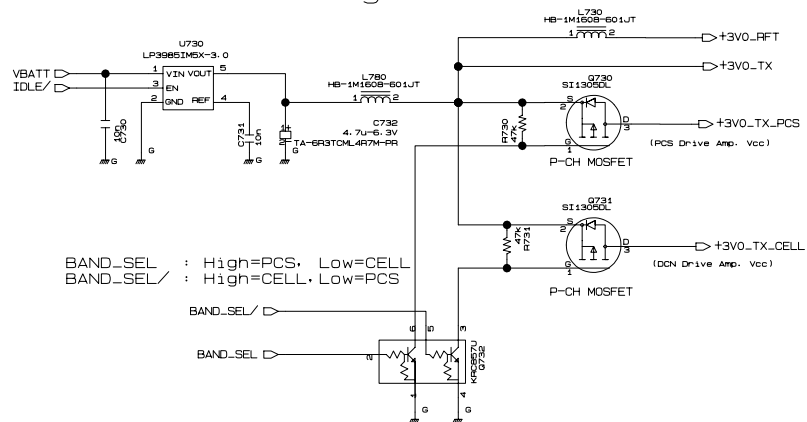
LDO for MSM BASEBAND & RESET



LDO for MSM ANALOG Vcc (MSMA)

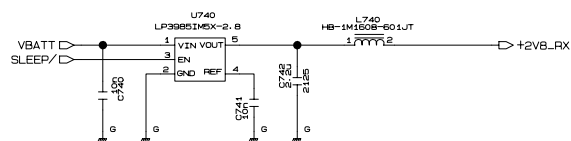


TX Part Vcc Regulator

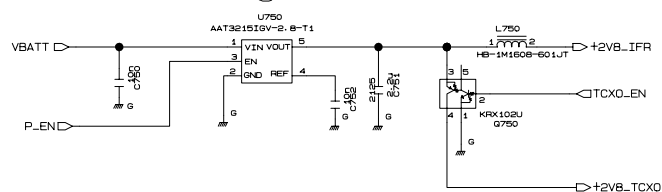


BAND_SEL : High=PCS, Low=CELL
BAND_SEL/ : High=CELL, Low=PCS

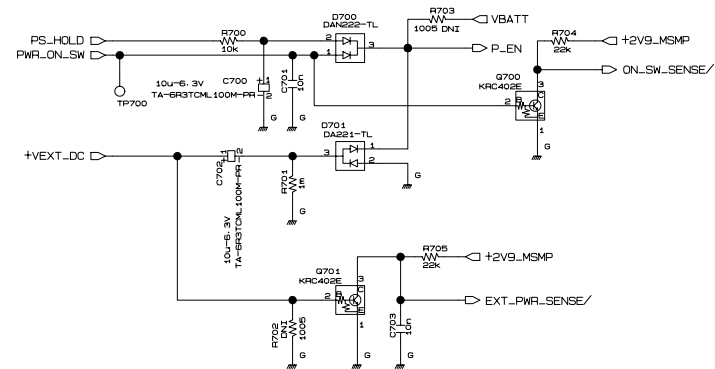
RX Vcc Regulator



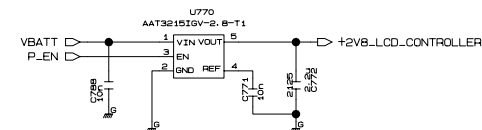
IFR Vcc Regulator



Power Switch Circuit

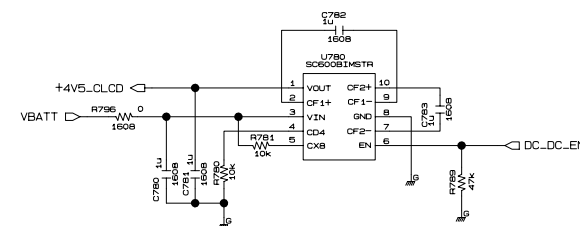


+2.8V LCD Controller IC VCC Reg. (TM540)



Model	U770	C771	C772	C788
TM540	AAT32151GV-2.8-T1	10nF	2.2uF	10nF
TM540C	DNI	DNI	DNI	DNI

+4.5V LED B/L DC/DC (TM540C)



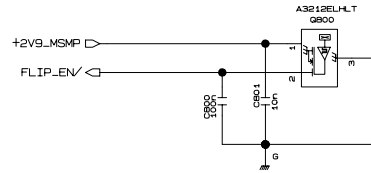
Mode1	TM540	TM540C	Mode1	TM540	TM540C
C780	DNI	1uF	C781	DNI	1uF
C782	DNI	1uF	C783	DNI	1uF
R796	DNI	0 ohm	R781	DNI	10 kohm
R780	DNI	10 kohm	R789	DNI	47 kohm
U780	DNI	SC600BTMSTRA			

Change

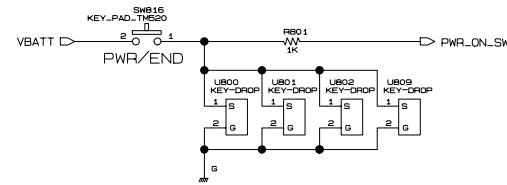
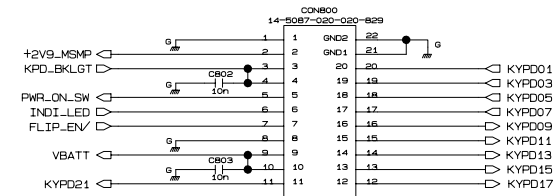
Insert

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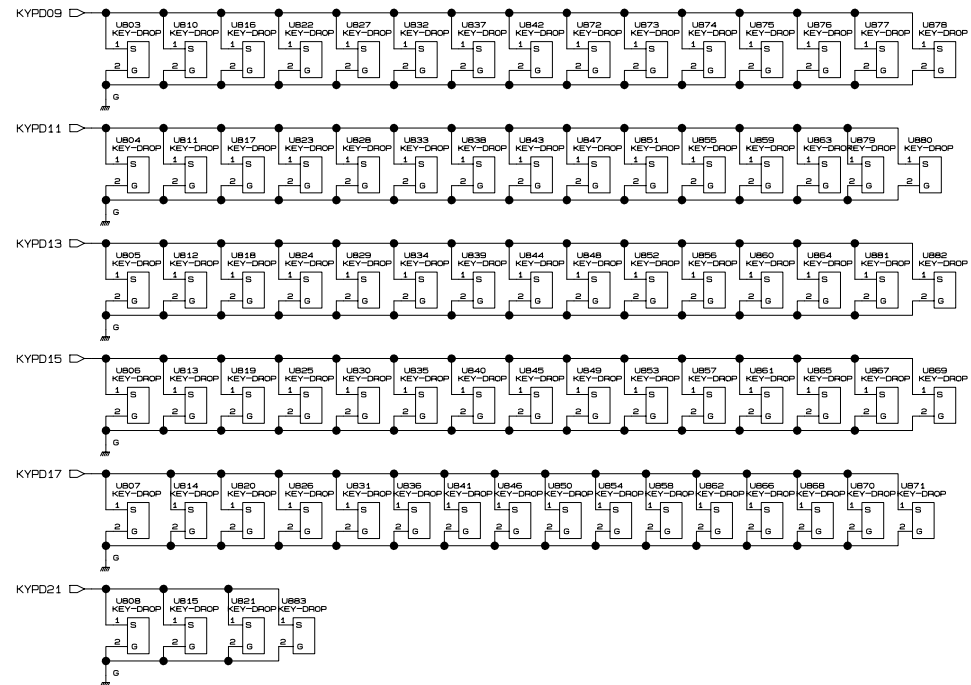
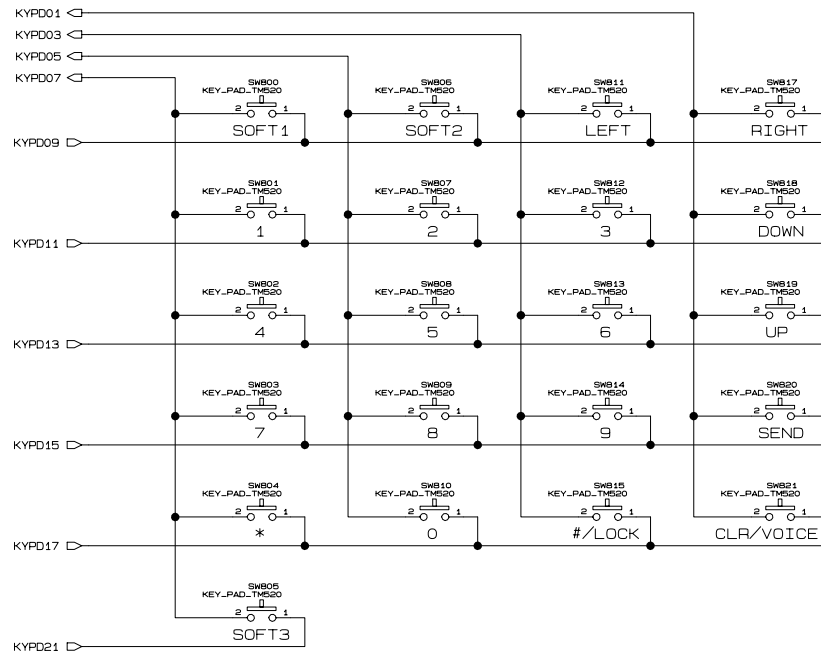
Magnetic Sensor SW



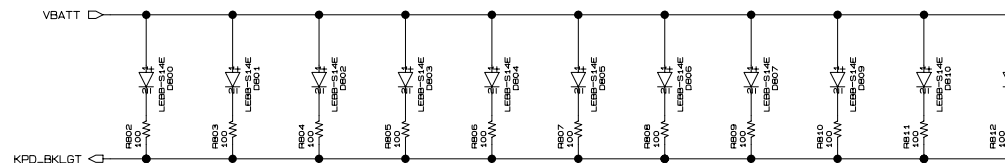
POWER SWITCH

B'd to B'd CONNECTOR
(20Pin HEADER)

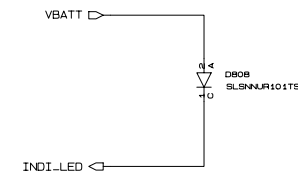
KEY PAD CIRCUIT



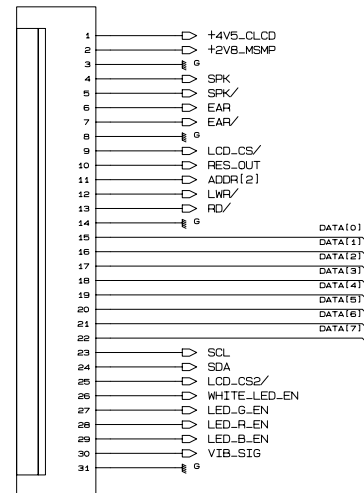
KEYPAD BACKLIGHT CIRCUIT



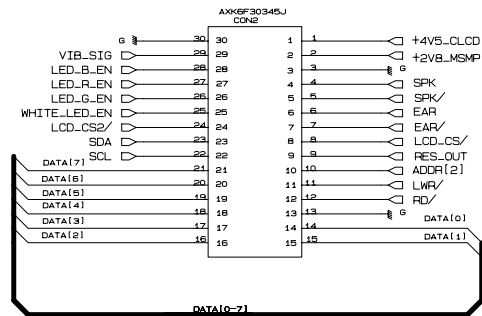
INDICATOR LED



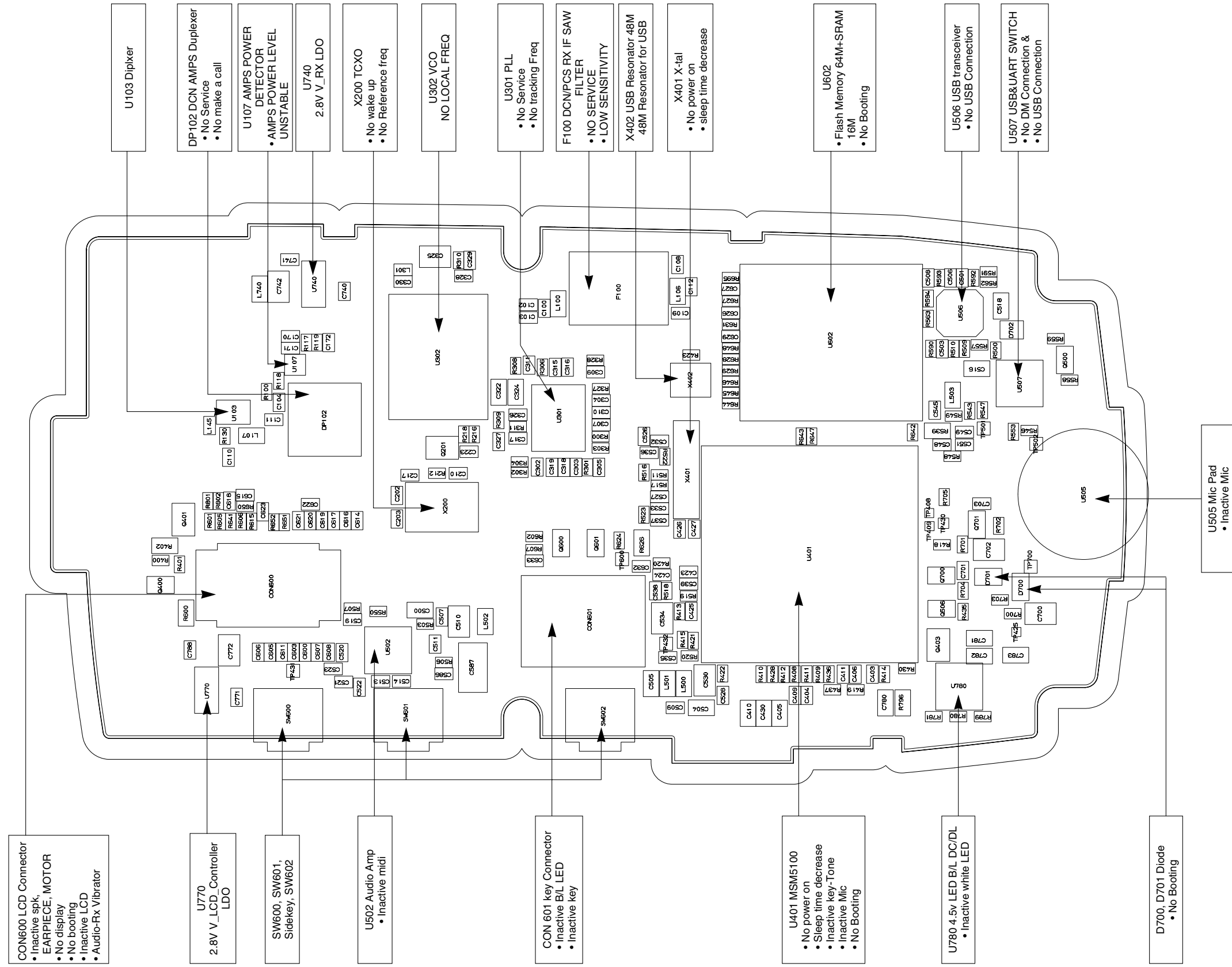
LCD MODULE

CON3
31FXL-RSM1-FPCB

MAIN B'D (HEADER)



The Top of Main PCB (LG-VX4400)



The Bottom of Main PCB (LG-VX4400)

