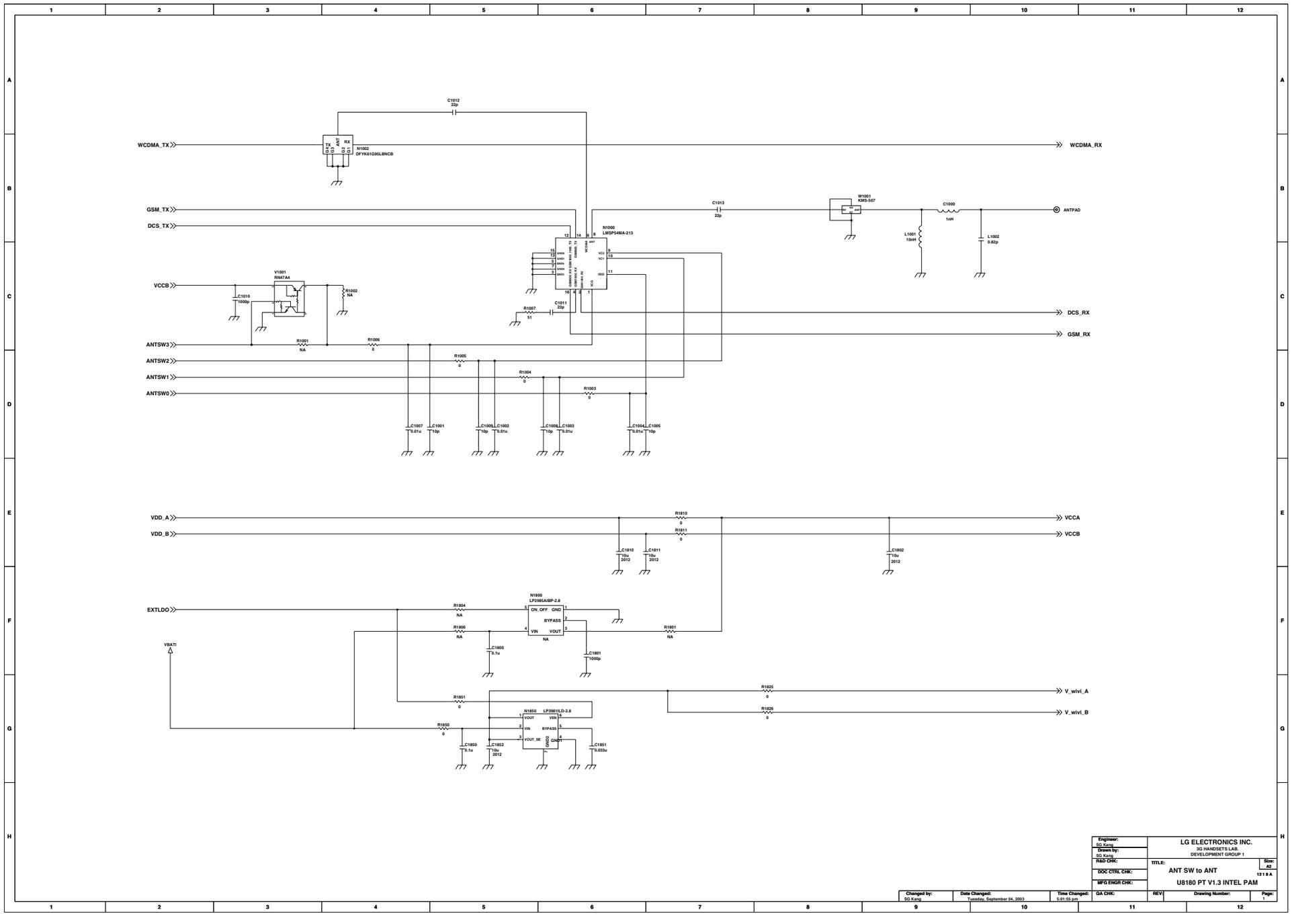
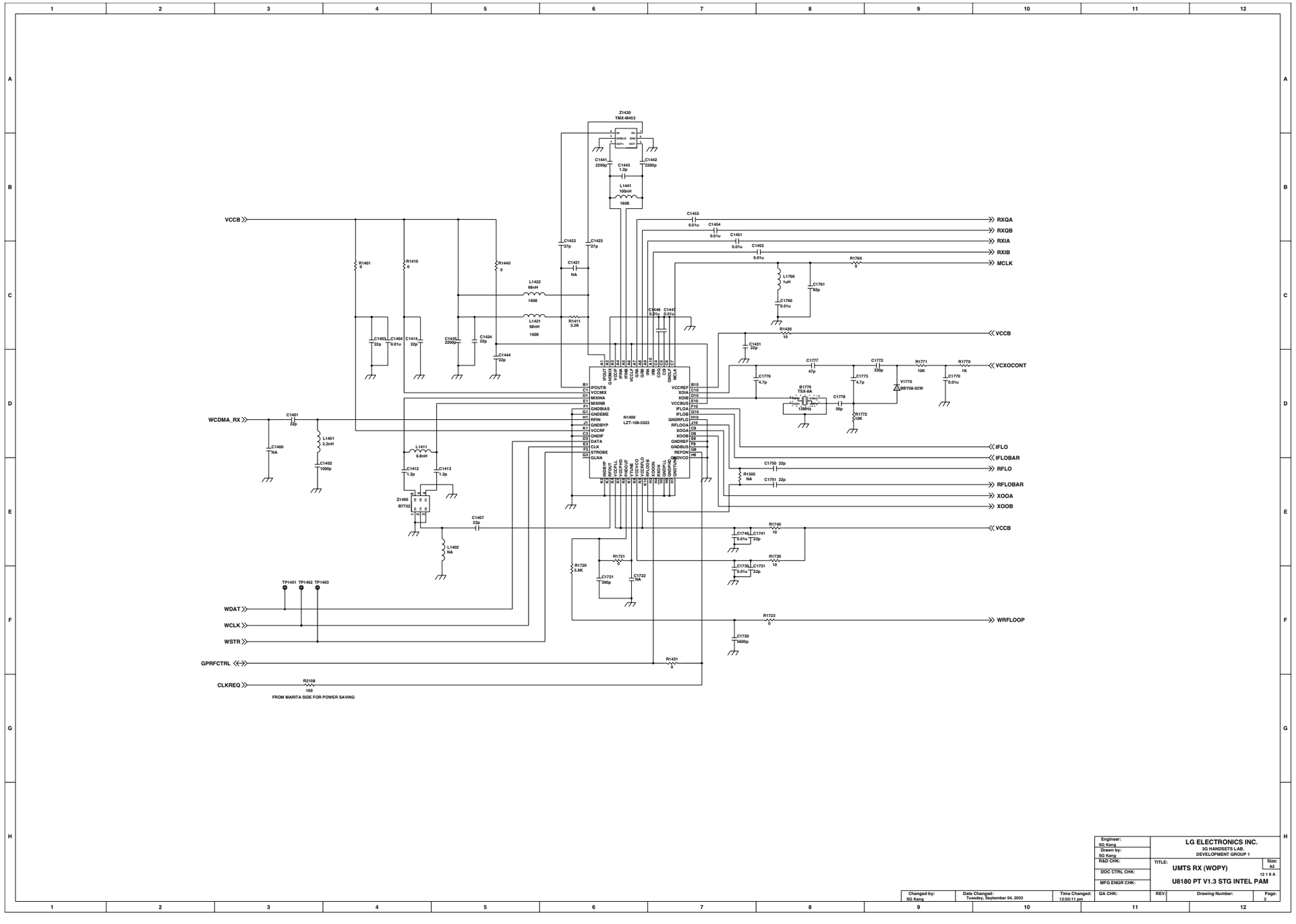
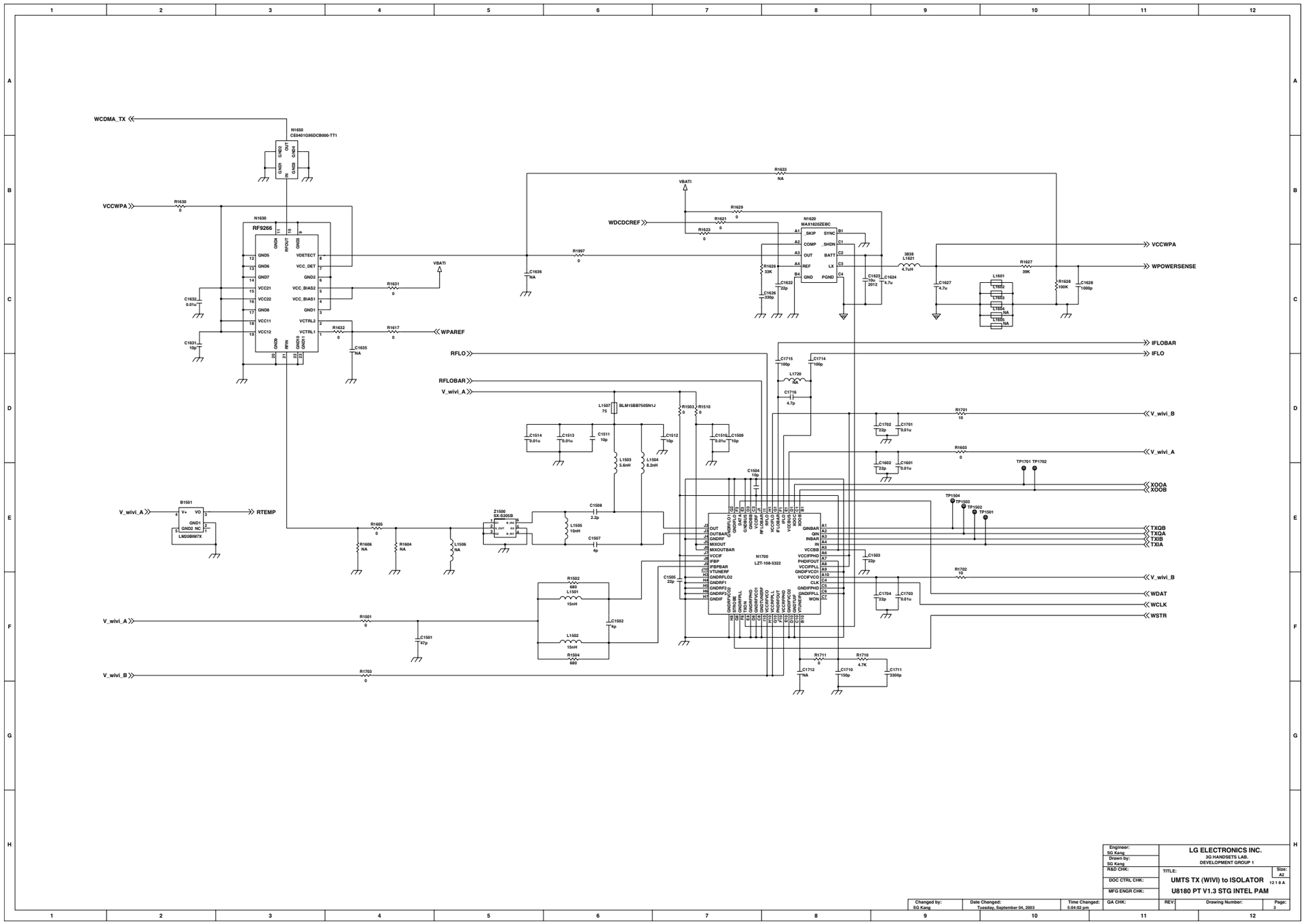
8. CIRCUIT DIAGRAM



8. CIRCUIT DIAGRAM

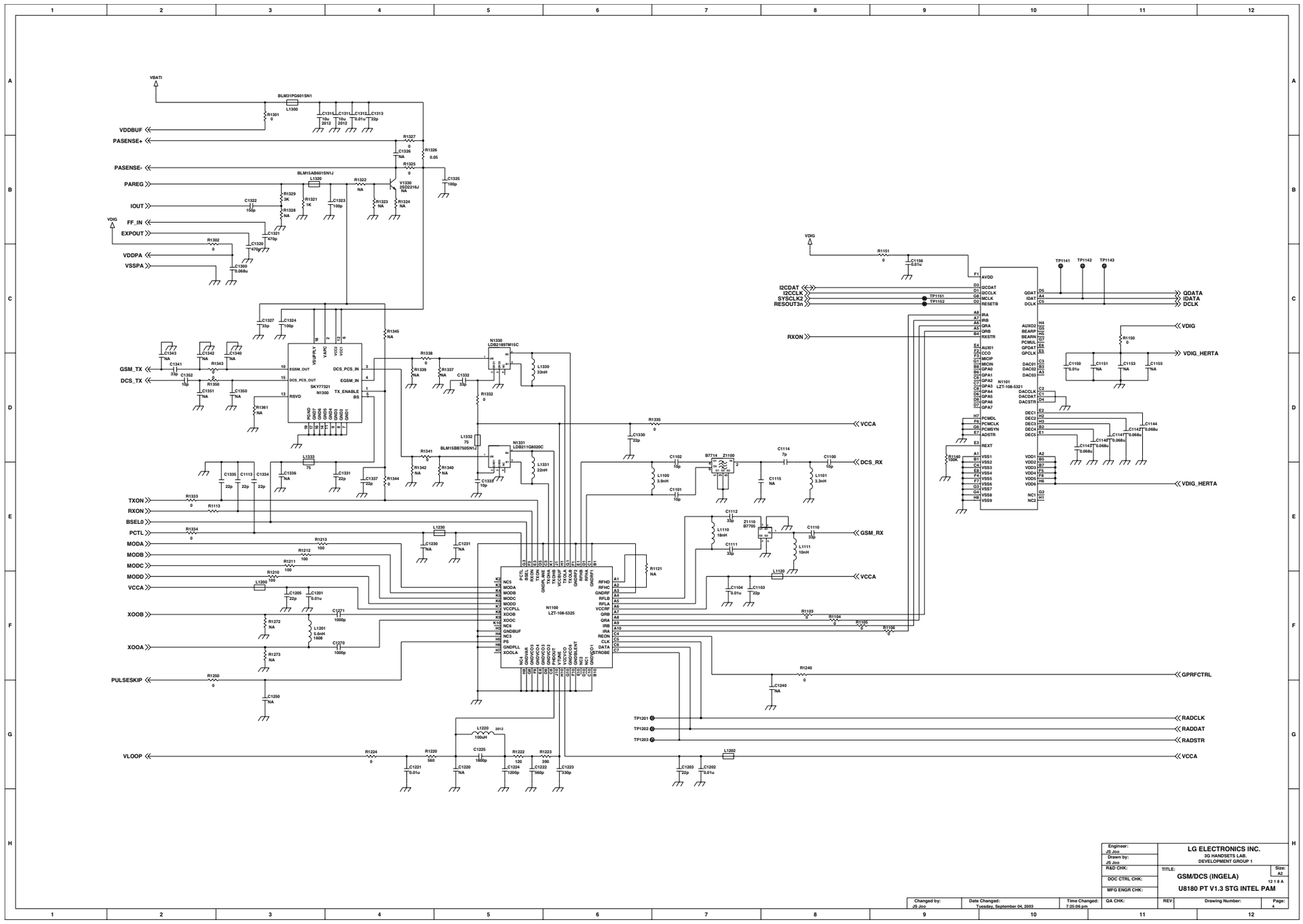


8. CIRCUIT DIAGRAM



Engineer: SG Kang	LG ELECTRONICS INC. 3G HANDSETS LAB. DEVELOPMENT GROUP 1				
Drawn by: SG Kang					
R&D CHK:	TITLE: UMTS TX (WIVI) to ISOLATOR U8180 PT V1.3 STG INTEL PAM				Size: A2
DOC CTRL CHK:					1 2 1 8 A
MFG ENGR CHK:					
Changed by: SG Kang	Date Changed: Tuesday, September 04, 2003	Time Changed: 5:04:02 pm	QA CHK:	REV:	Drawing Number: Page: 3

8. CIRCUIT DIAGRAM


VBATI
VDDBUF
PASENSE+
PASENSE-
PAREG
IOUT
FF_IN
EXPOUT
VDDPA
VSSPA
GSM_TX
DCS_TX
TXON
RXON
BSEL0
PCTL
MODA
MODB
MODC
MODD
VCCA
XOOB
XOOA
PULSESKIP
VLOOP
I2CDAT
I2CCLK
SYSCLK2
RESOUT3n
RXON
VCCA
DCS_RX
GSM_RX
VCCA
GPRFCTRL
RADCLK
RADDAT
RADSTR
VCCA
QDATA
IDATA
DCLK
VDIG
VDIG_HERTA
VDIG_HERTA
N1100
LZT-108-5325
N1101
LZT-108-5321
SKY77321
N1300
N1330
LDB21897M15C
N1331
LDB211G8020C
Z1100
B7714
Z1110
B7705
L1300
BLM31PG601SN1
L1320
BLM15AB601SN1J
L1332
BLM15BB750SN1J
L1230
L1200
L1201
1608
L1220
100uH
2012
L1202
L1120
L1330
33nH
L1331
22nH
L1100
3.9nH
L1101
3.3nH
L1110
18nH
L1111
10nH
L1333
75
L1322
NA
L1323
NA
L1324
NA
L1325
0
L1326
0.05
L1327
0
L1301
0
L1302
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L1303
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L1306
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L1307
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L1313
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L1314
0
L1315
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L1316
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L1317
0
L1318
0
L1319
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L1321
1K
L1329
1K
L1328
NA
L1331
22nH
L1332
75
L1333
75
L1334
0
L1335
0
L1336
NA
L1337
NA
L1338
0
L1339
NA
L1340
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L1344
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L1345
NA
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L1348
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10p
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L1359
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L1360
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L1361
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L1362
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L1363
NA
L1364
NA
L1365
NA
L1366
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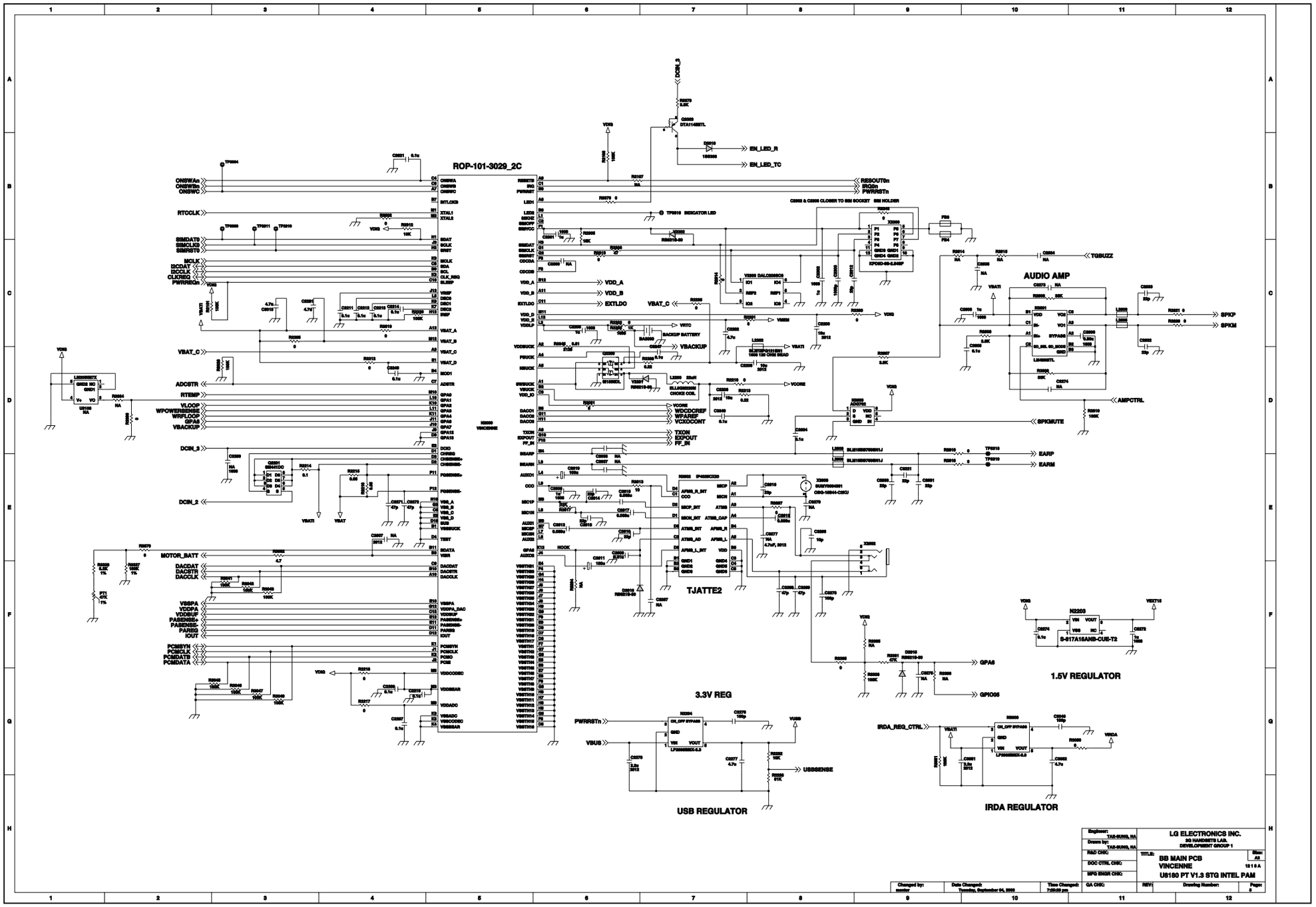
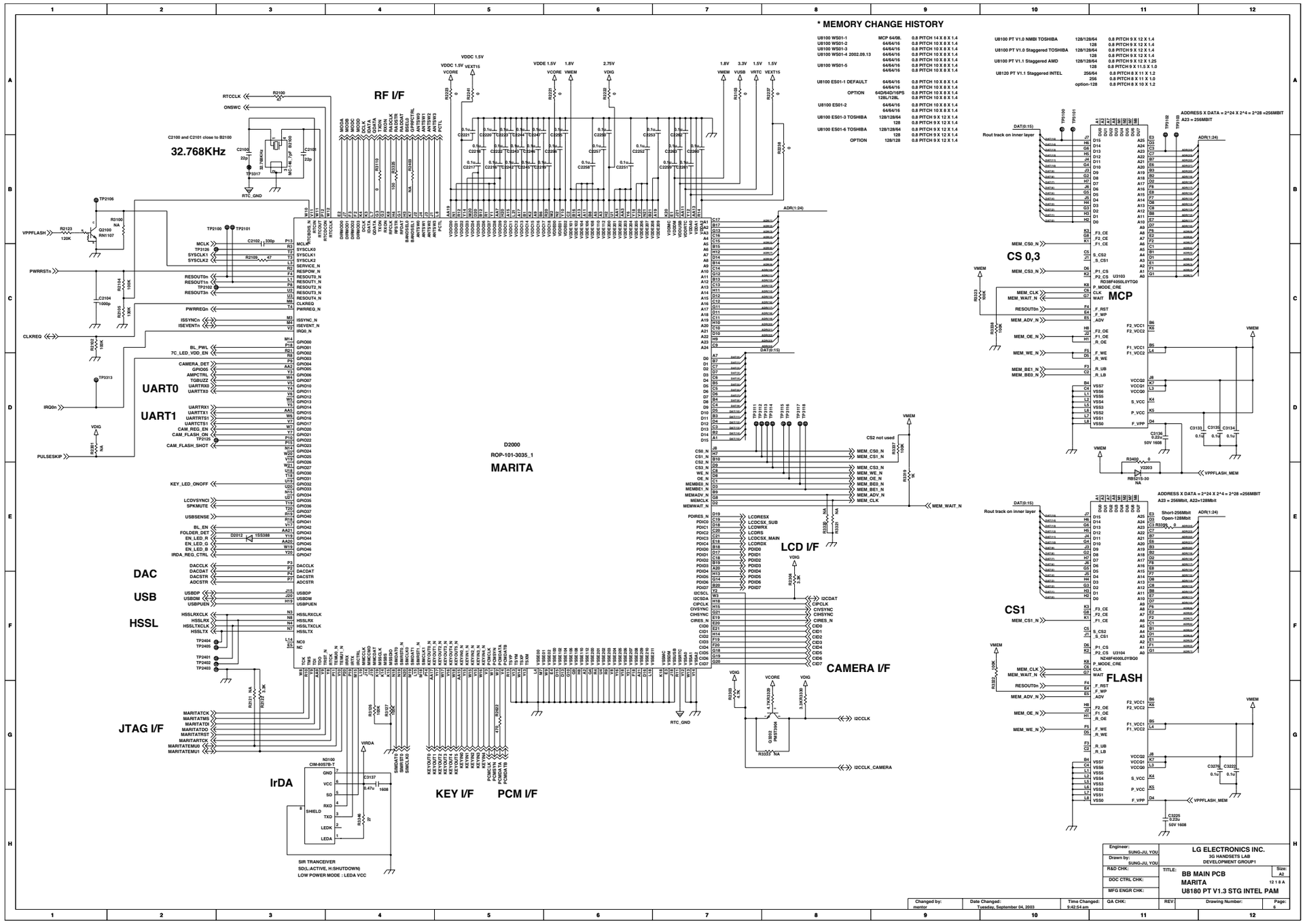
NA
L1370
NA
L1371
NA
L1372
NA

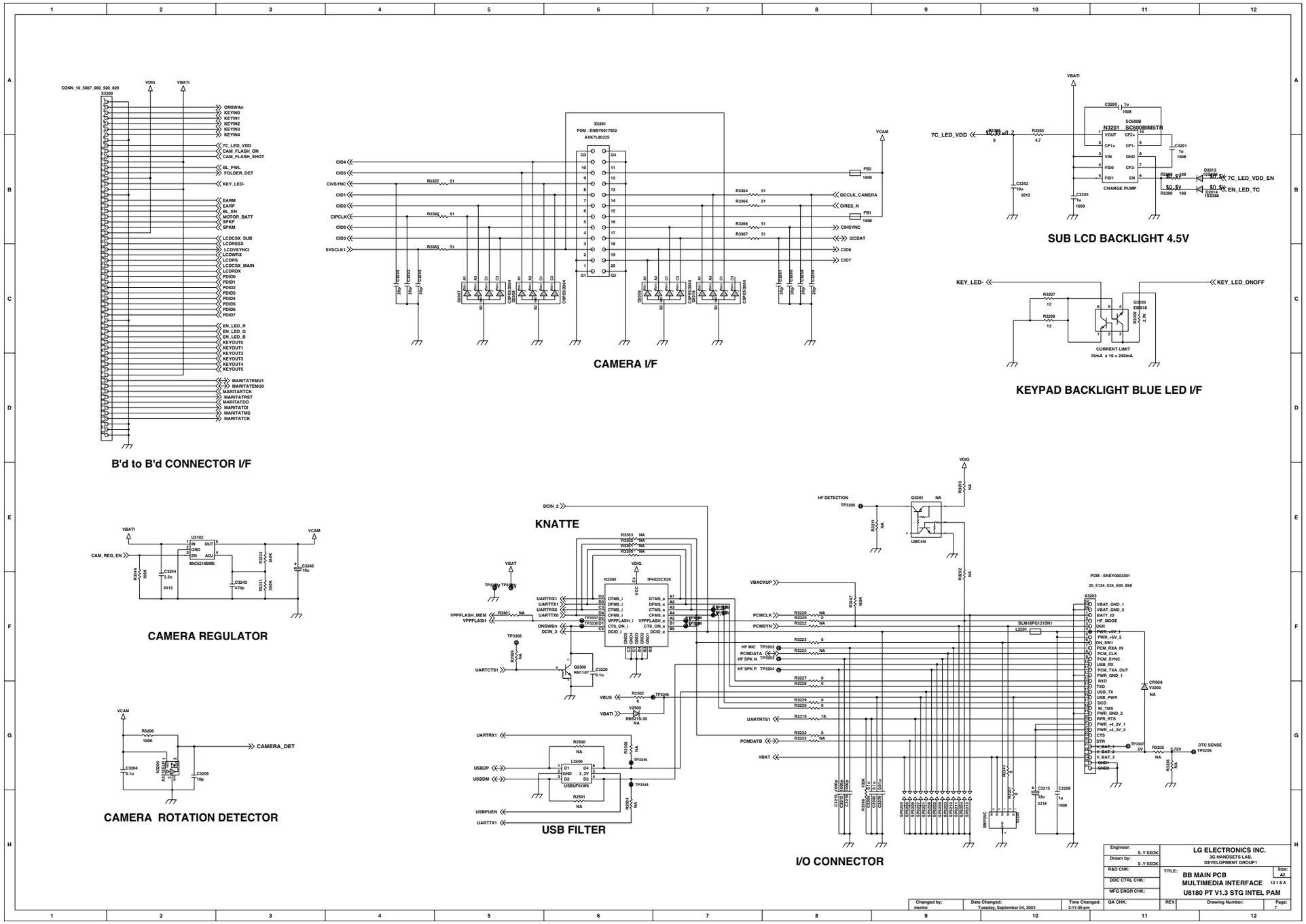
8. CIRCUIT DIAGRAM



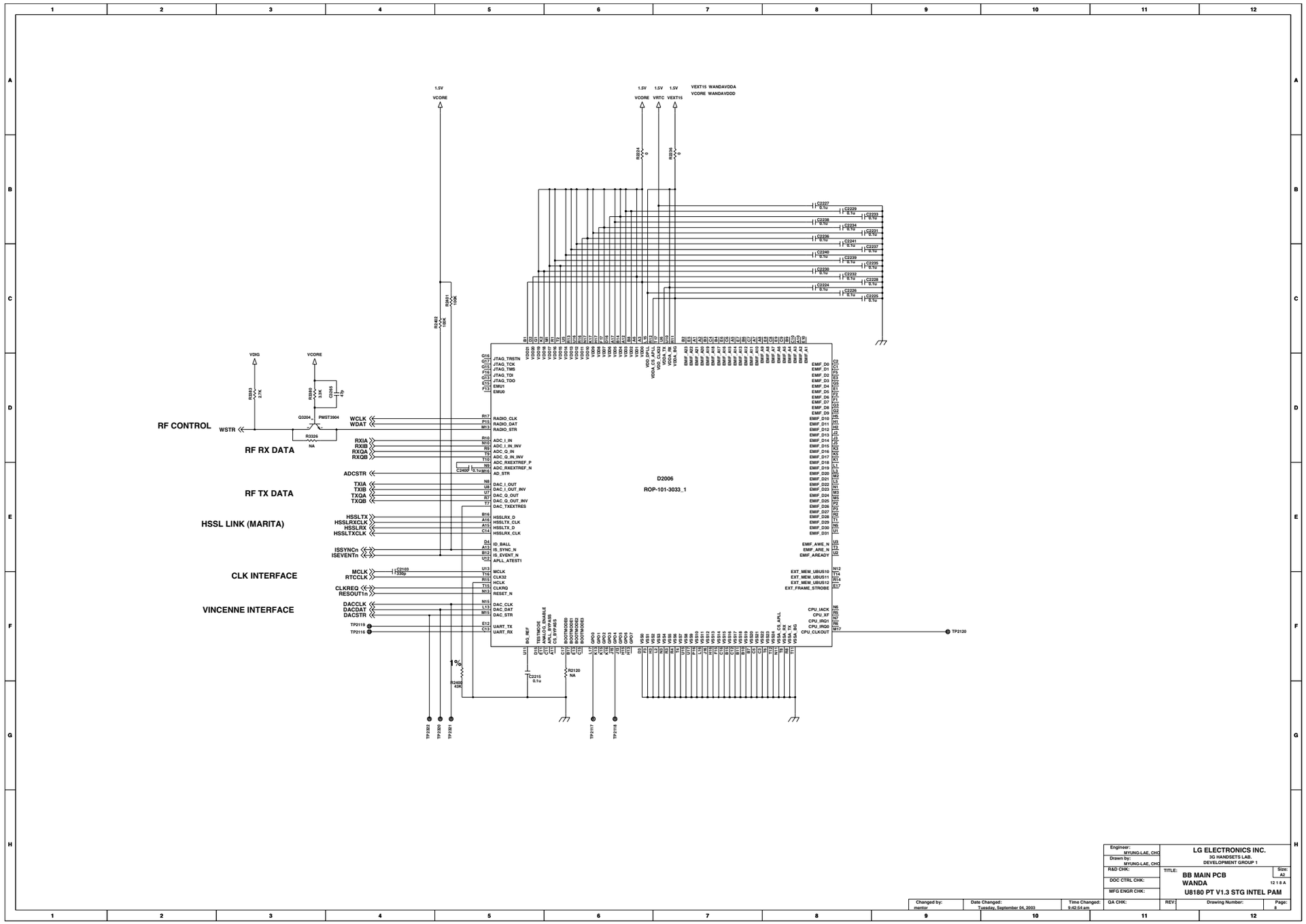
8. CIRCUIT DIAGRAM



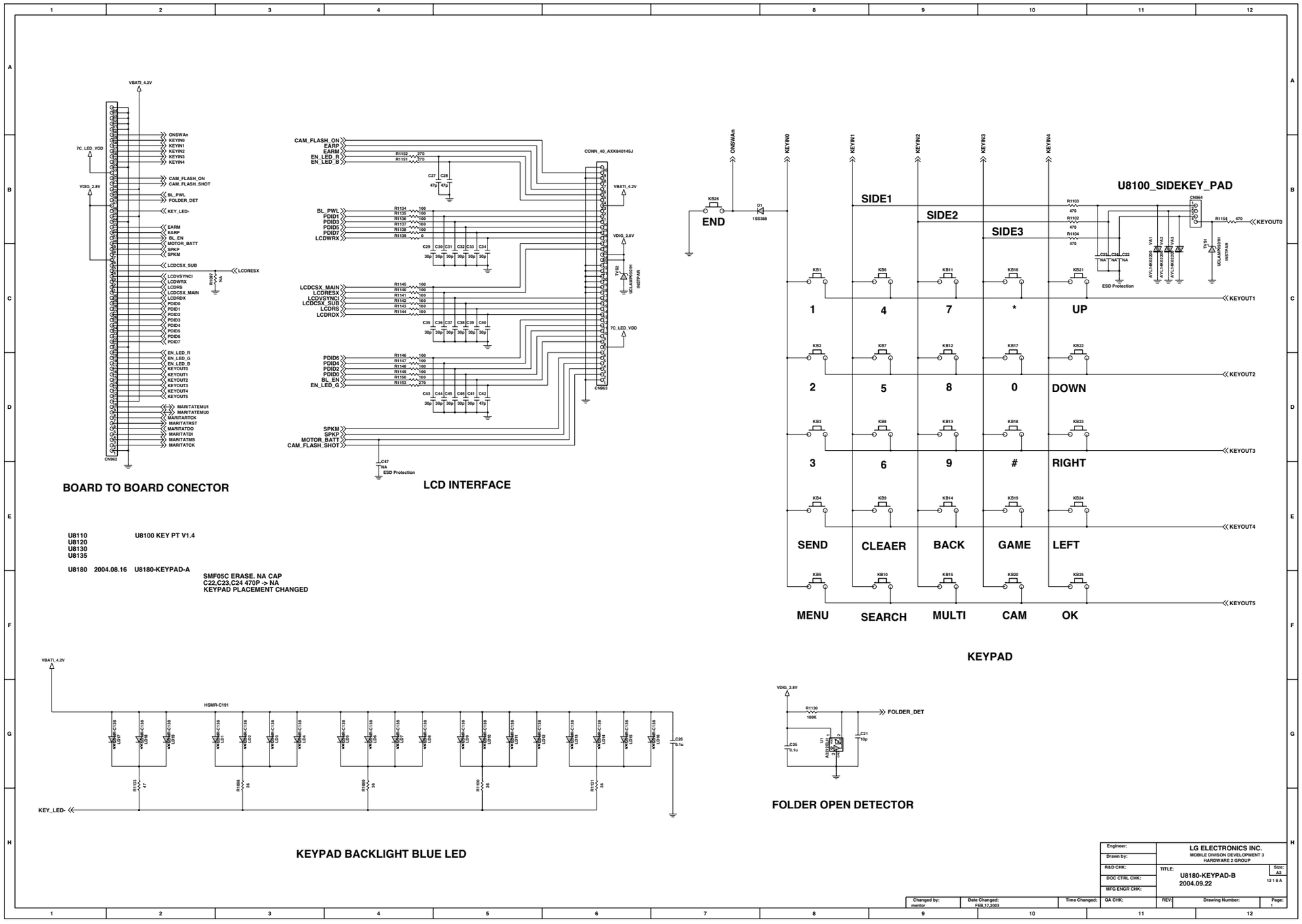
8. CIRCUIT DIAGRAM



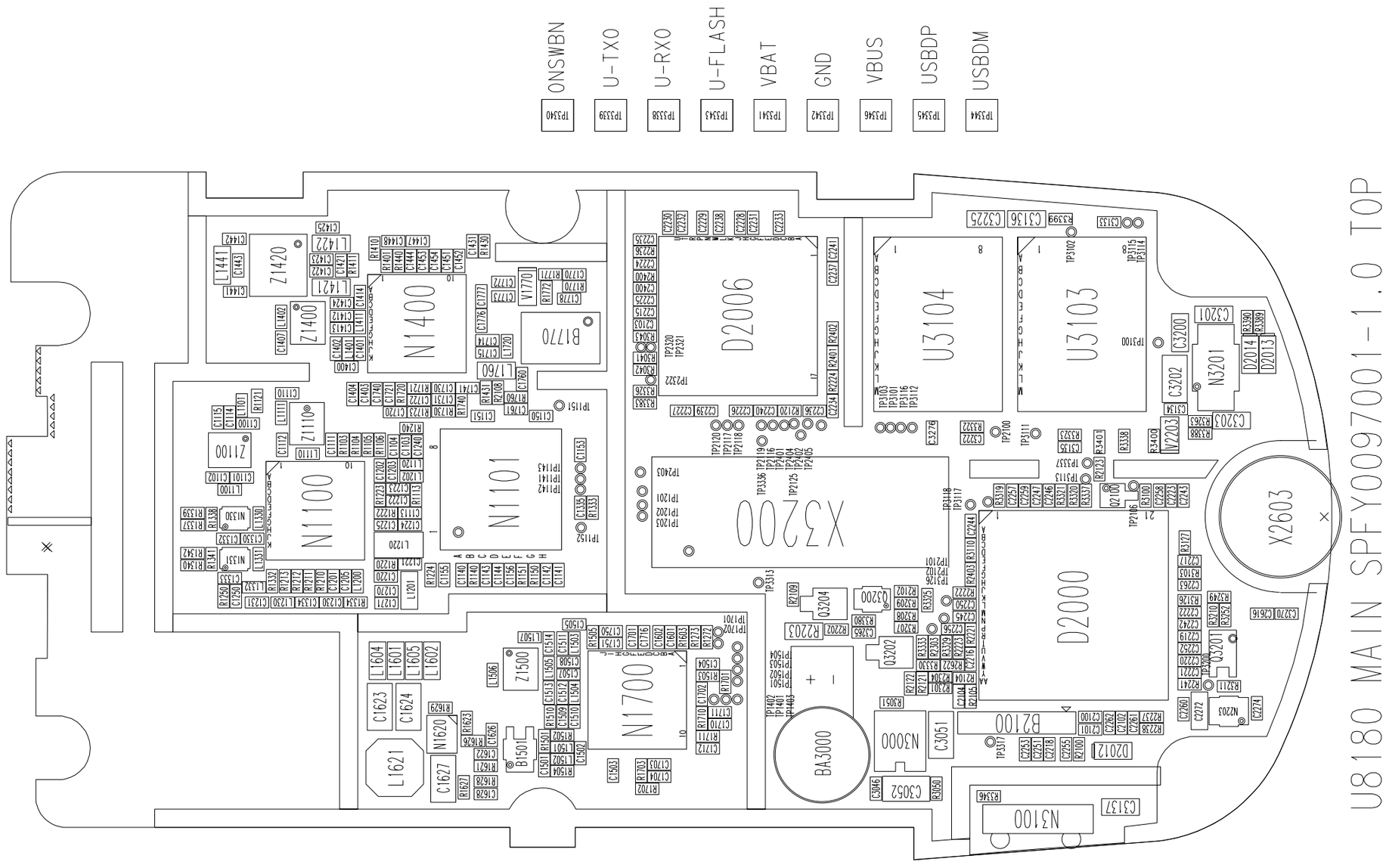
8. CIRCUIT DIAGRAM



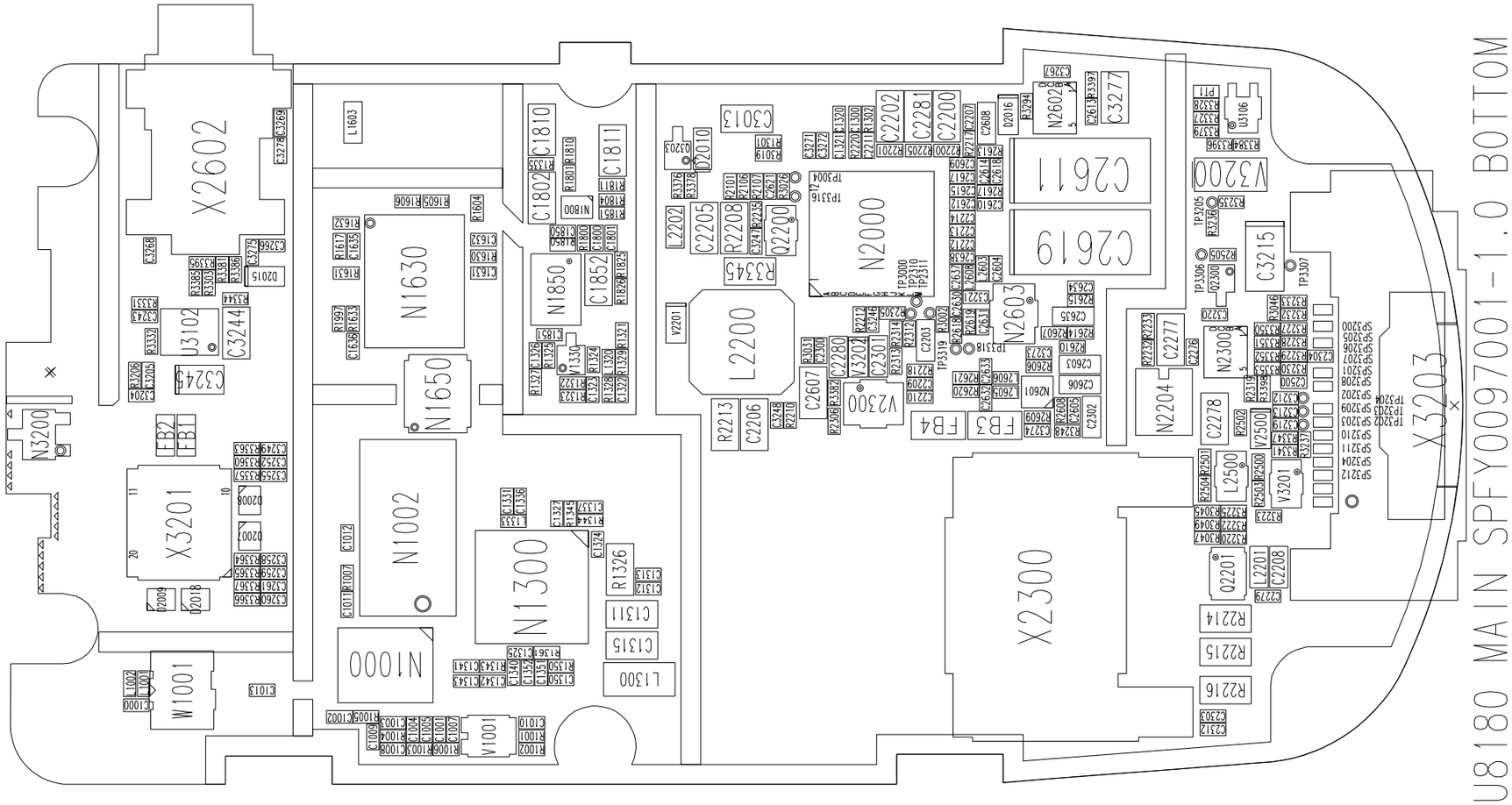
8. CIRCUIT DIAGRAM



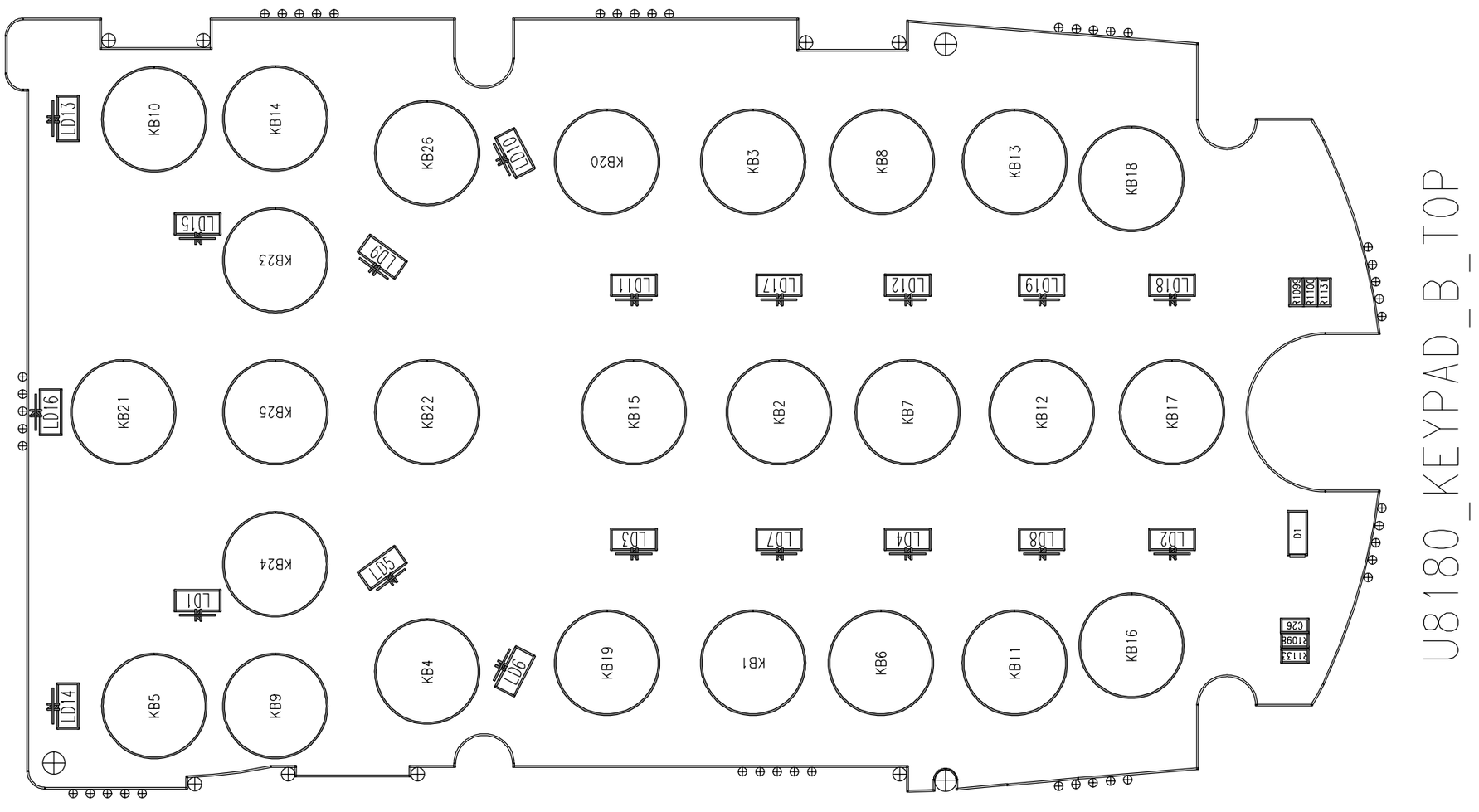
9. PCB LAYOUT


ONSWBN
U-TXO
U-RXO
U-FLASH
VBAT
GND
VBUS
USBDP
USBDM
U8180 MAIN SPFY0097001-1.0 TOP

9. PCB LAYOUT

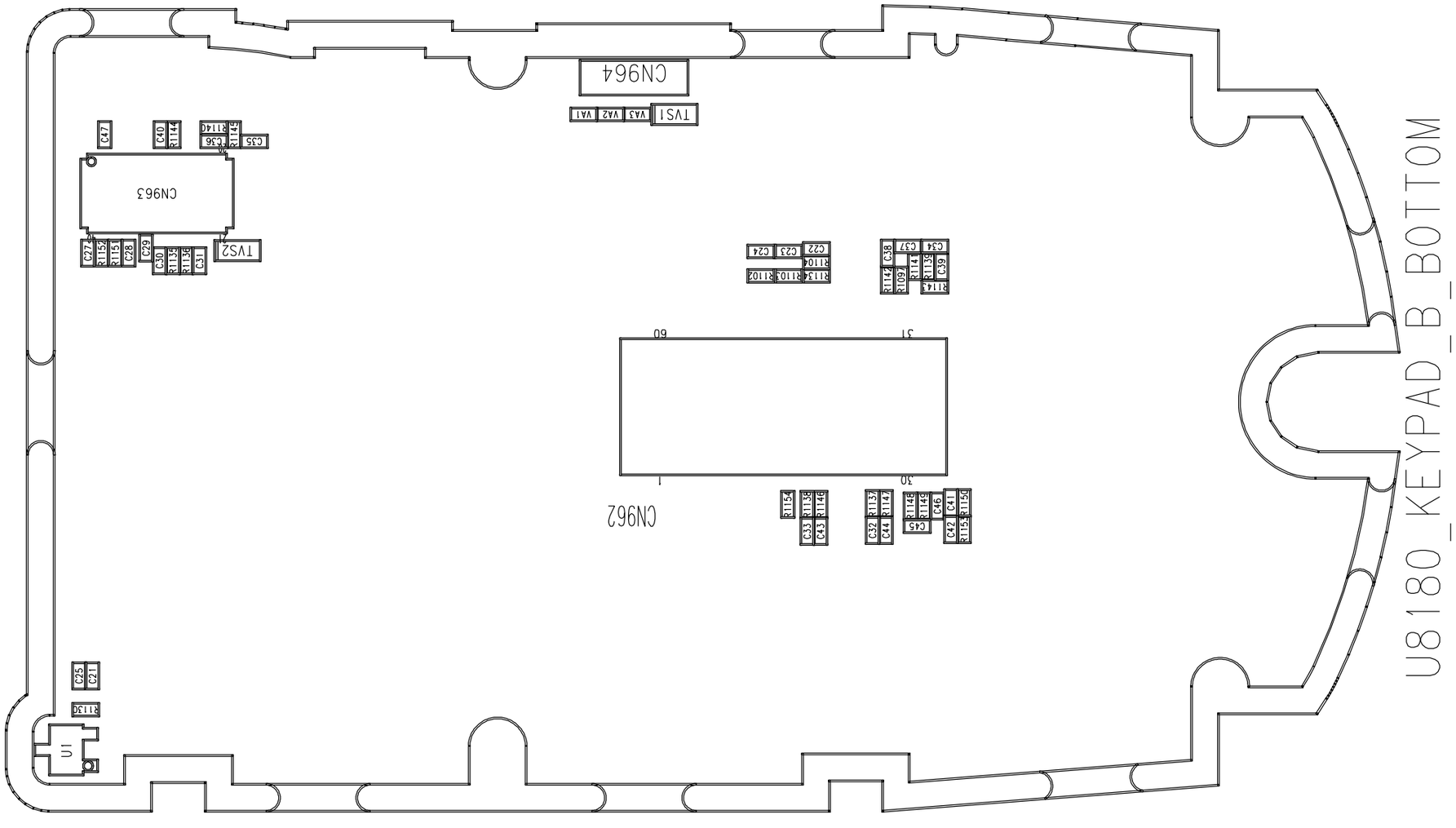

U8180 MAIN SPFY0097001-1.0 BOTTOM
X2602
X3201
X2300
X3203
N1630
N1650
N1002
N1300
N1000
N1850
N2000
N2603
N2300
N2204
N3200
W1001
V1001
V3200
V2300
V3201
V3302
V2500
U3102
U3106
C2611
C2619
C3277
C3215
C3244
C3245
C1810
C1811
C1802
C1852
C2202
C2281
C2200
C3013
C2205
R2208
R3345
L2200
L2202
Q2200
Q2201
L2500
L2201
C2208
C2278
C2277
C2280
C2607
C2301
C2206
R2213
FB1
FB2
FB3
FB4
L1300
R1326
C1311
C1315
R2214
R2215
R2216

9. PCB LAYOUT



U8180_KEYPAD_B_TOP

9. PCB LAYOUT


U8180_KEYPAD_B_BOTTOM
CN964
TVS1
VA1
VA2
VA3
CN963
TVS2
CN962
U1
C47
C40
R1144
R1140
C36
R1145
C35
C27
R1152
R1155
C28
C29
C30
R1136
R1138
C31
C24
C23
C22
R1102
R1101
R1104
R1103
C38
C37
C34
R1142
R1097
R1144
R1133
C39
R1143
R1154
R1138
R1146
C33
C43
R1137
R1147
C32
C44
R1148
R1149
C45
C46
C41
C42
R1150
R1151
C25
C21
R1130