Schematics, Electrical

Applicable for R800i, R800a, R800x,R800at, Z1

Core

Peripheral

1239-0106_5A__RF_B18_C3_Power_ASICs

1239-0106_5A__RF_B18_C2_Power_Management

PHONE_ON_N

I2C_SCL

I2C_SDA

1239-0106_5A__RF_B18_C1_Charge

1239-0106_5A__RF_B18_P4_IO_Devices

1239-0106_5A__RF_B18_P6_Optics

1239-0106_5A__RF_B18_P5_Keypad

MCLK_D1_MSM

MCLK_A0_RF

SLEEP_CLK

1239-0106_5A__RF_B18_P2_WLAN&BT

RESOUT_1V8_N

HW_SERVICE

1239-0106_5A__RF_B18_C4_System&Debug

1239-0106_5A__RF_B18_C5_Memories

LINE_IN_LP

AUDIO_OUT

1239-0106_5A__RF_B18_P3_Audio

PA_R0

PA_R1

TX_ON

1239-0106_5A__RF_B18_C6_RF_Power_Asics

TX_GSM_HB

TX_GSM_LB

TRX_PCS_AWS

TRX_IMT

TX_U_RX_UG_B5_B8_B6

1239-0106_5A__RF_B18_C7_RF_Power_Amps

1239-0106_5A__RF_B18_C8_RF_Ant_Switch&Signal

1239-0106_5A__RF_B18_P1_GPS_Diversity

SCL_GSB_CAM

SDA_GSB_CAM

1239-0106_5A__RF_B18_P7_Camera

Shield cans

BB Large Fence

E3000

Clamp

GND

Will be connected to GND in PCB

SHIELDCAN_PROJ1_BB_TALL
1233-5274 1

BB Small Fence

E3001

Clamp

GND

Will be connected to GND in PCB

SHIELDCAN_PROJ1_BB
1233-5272 2

RF Fence

E1000

Clamp

GND

Will be connected to GND in PCB

SHIELDCAN_PROJ1_RF
1233-5273 2

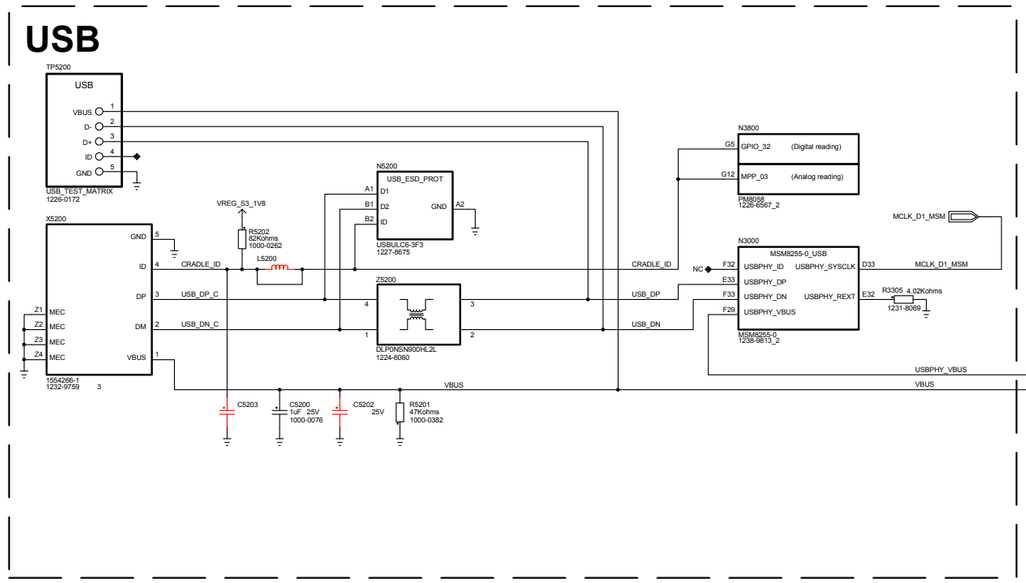
GND pins & pads

Hinge Plate

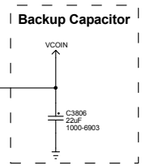
E3002

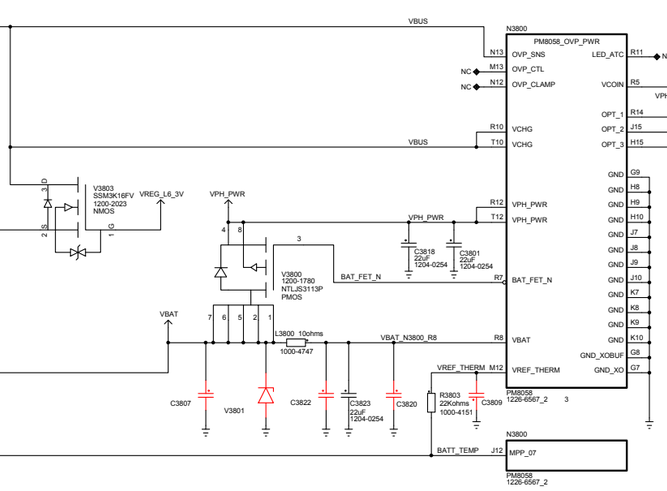
Charging and Battery Management

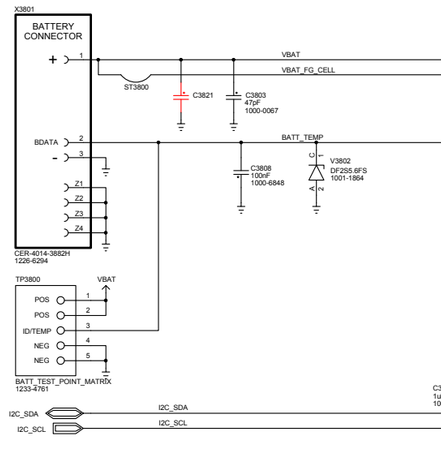
USB



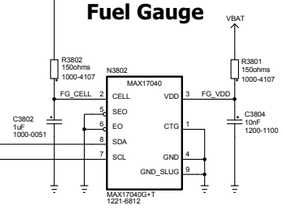
Backup Capacitor



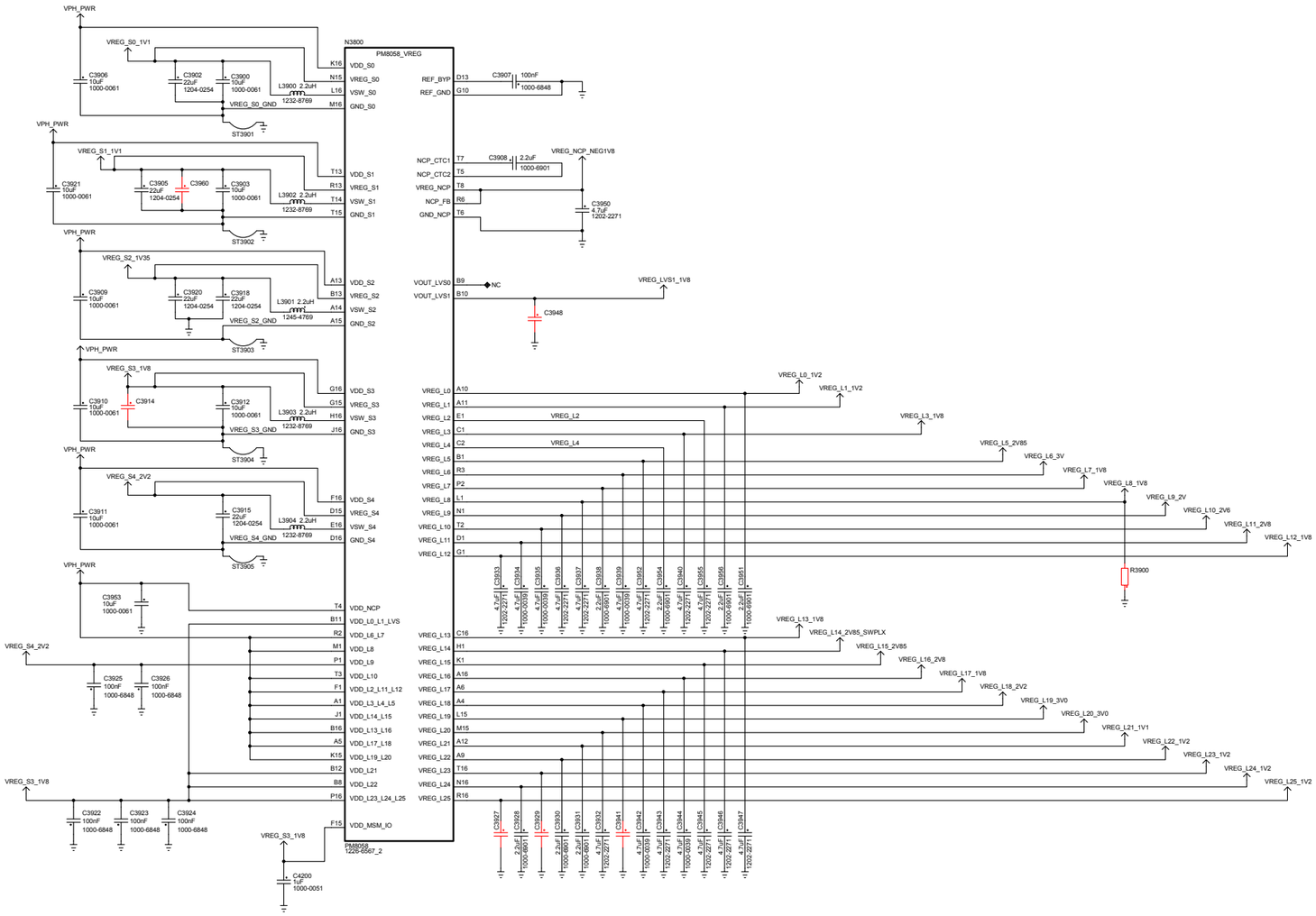


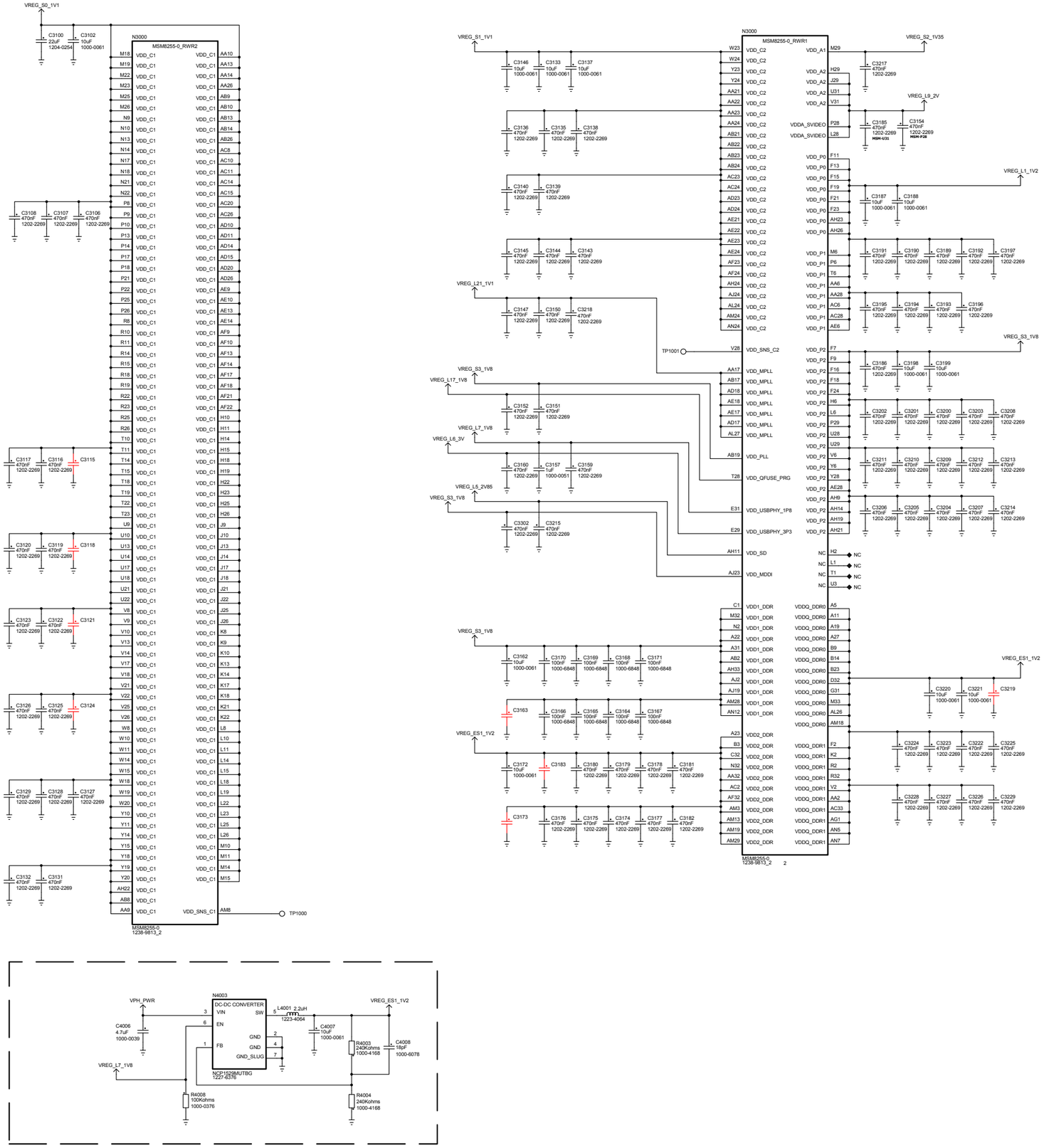


Fuel Gauge

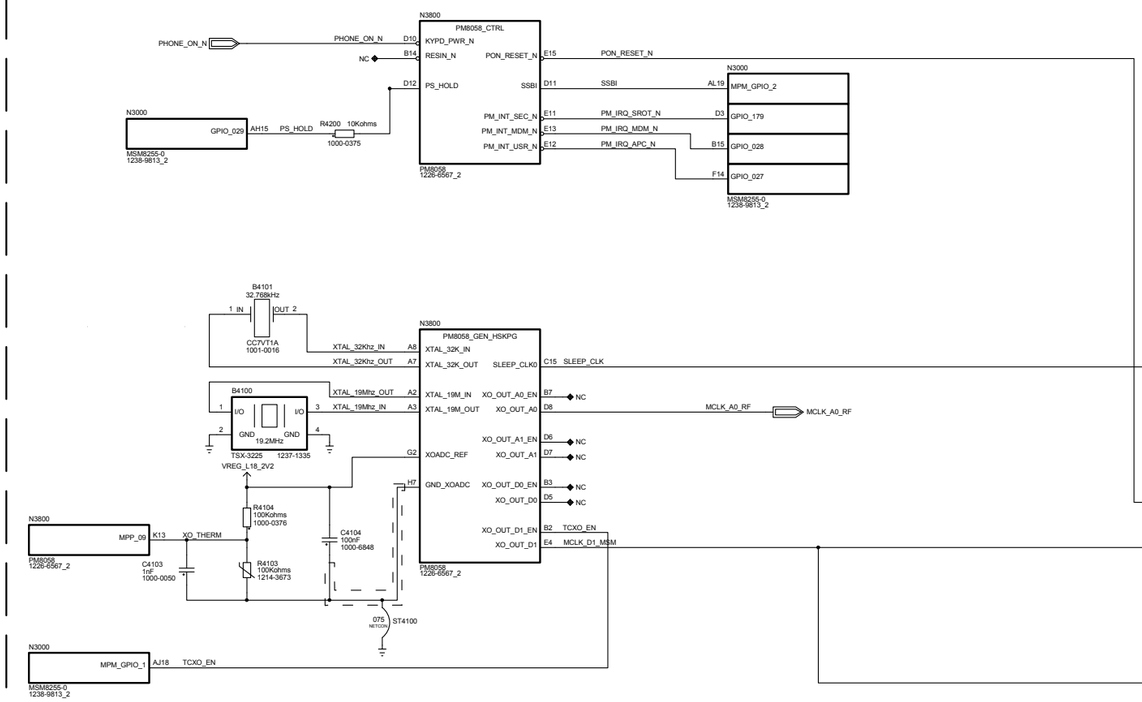


Power Management

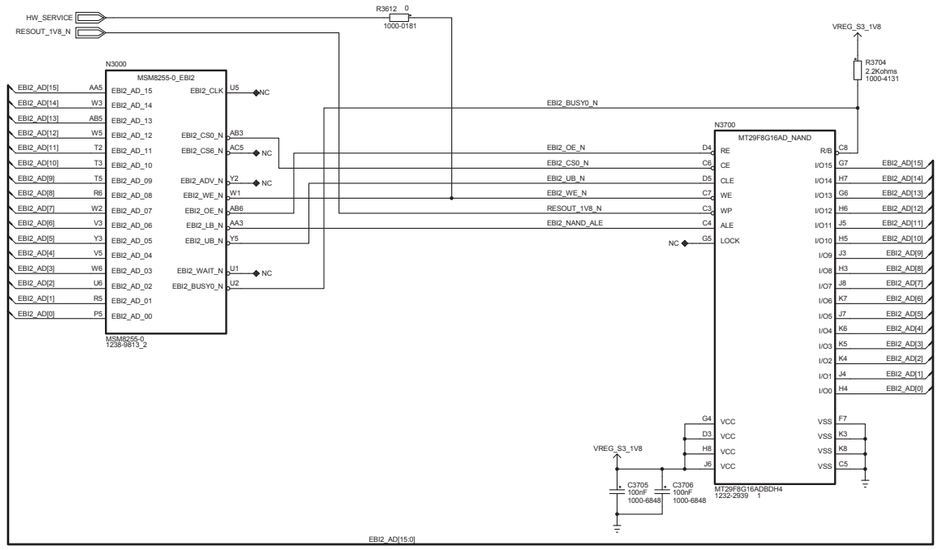


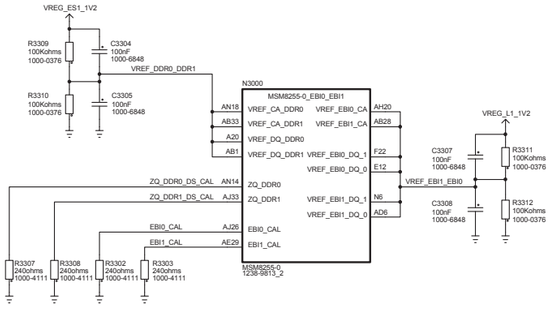

VREG_S0_1V1
C3100 22uF 1204-0254
C3102 10uF 1000-0061
N3000
MSM8255-0_RWR2
C3108 470nF 1202-2269
C3107 470nF 1202-2269
C3106 470nF 1202-2269
C3117 470nF 1202-2269
C3116 470nF 1202-2269
C3115
C3120 470nF 1202-2269
C3119 470nF 1202-2269
C3118
C3123 470nF 1202-2269
C3122 470nF 1202-2269
C3121
C3126 470nF 1202-2269
C3125 470nF 1202-2269
C3124
C3129 470nF 1202-2269
C3128 470nF 1202-2269
C3127 470nF 1202-2269
C3132 470nF 1202-2269
C3131 470nF 1202-2269
VDD_SNS_C1
AM8
TP1000
MSM8255-0
1238-9813_2
VREG_S1_1V1
C3146 10uF 1000-0061
C3133 10uF 1000-0061
C3137 10uF 1000-0061
C3136 470nF 1202-2269
C3135 470nF 1202-2269
C3138 470nF 1202-2269
C3140 470nF 1202-2269
C3139 470nF 1202-2269
C3145 470nF 1202-2269
C3144 470nF 1202-2269
C3143 470nF 1202-2269
VREG_L21_1V1
C3147 470nF 1202-2269
C3150 470nF 1202-2269
C3218 470nF 1202-2269
TP1001
VREG_S3_1V8
VREG_L17_1V8
C3152 470nF 1202-2269
C3151 470nF 1202-2269
VREG_L7_1V8
VREG_L6_3V
C3160 470nF 1202-2269
C3157 1uF 1000-0051
C3159 470nF 1202-2269
VREG_L5_2V85
VREG_S3_1V8
C3302 470nF 1202-2269
C3215 470nF 1202-2269
N3000
MSM8255-0_RWR1
VDD_SNS_C2
VDD_MPLL
VDD_PLL
VDD_QFUSE_PRG
VDD_USBPHY_1P8
VDD_USBPHY_3P3
VDD_SD
VDD_MDDI
VDD1_DDR
VDDQ_DDR0
VDD2_DDR
VDDQ_DDR1
VDD_P0
VDD_P1
VDD_P2
VDDA_SVIDEO
NC
MSM8255-0
1238-9813_2
VREG_S2_1V35
C3217 470nF 1202-2269
VREG_L9_2V
C3185 470nF 1202-2269 MSM-U31
C3154 470nF 1202-2269 MSM-P28
VREG_L1_1V2
C3187 10uF 1000-0061
C3188 10uF 1000-0061
C3191 470nF 1202-2269
C3190 470nF 1202-2269
C3189 470nF 1202-2269
C3192 470nF 1202-2269
C3197 470nF 1202-2269
C3195 470nF 1202-2269
C3194 470nF 1202-2269
C3193 470nF 1202-2269
C3196 470nF 1202-2269
VREG_S3_1V8
C3186 470nF 1202-2269
C3198 10uF 1000-0061
C3199 10uF 1000-0061
C3202 470nF 1202-2269
C3201 470nF 1202-2269
C3200 470nF 1202-2269
C3203 470nF 1202-2269
C3208 470nF 1202-2269
C3211 470nF 1202-2269
C3210 470nF 1202-2269
C3209 470nF 1202-2269
C3212 470nF 1202-2269
C3213 470nF 1202-2269
C3206 470nF 1202-2269
C3205 470nF 1202-2269
C3204 470nF 1202-2269
C3207 470nF 1202-2269
C3214 470nF 1202-2269
VREG_S3_1V8
C3162 10uF 1000-0061
C3170 100nF 1000-6848
C3169 100nF 1000-6848
C3168 100nF 1000-6848
C3171 100nF 1000-6848
C3163
C3166 100nF 1000-6848
C3165 100nF 1000-6848
C3164 100nF 1000-6848
C3167 100nF 1000-6848
VREG_ES1_1V2
C3172 10uF 1000-0061
C3183
C3180 470nF 1202-2269
C3179 470nF 1202-2269
C3178 470nF 1202-2269
C3181 470nF 1202-2269
C3173
C3176 470nF 1202-2269
C3175 470nF 1202-2269
C3174 470nF 1202-2269
C3177 470nF 1202-2269
C3182 470nF 1202-2269
VREG_ES1_1V2
C3220 10uF 1000-0061
C3221 10uF 1000-0061
C3219
C3224 470nF 1202-2269
C3223 470nF 1202-2269
C3222 470nF 1202-2269
C3225 470nF 1202-2269
C3228 470nF 1202-2269
C3227 470nF 1202-2269
C3226 470nF 1202-2269
C3229 470nF 1202-2269
N3000
MSM8255-0_GND2
N3000
MSM8255-0_GND1
MSM8255-0
1238-9813_2
N3000
MSM8255-0_NC
N3000
MSM8255-0_RSVD
N3000
MSM8255-0_DNC
N4003
DC-DC CONVERTER
NCP1529MUTBG
1227-6376
VPH_PWR
C4006 4.7uF 1000-0039
VIN
EN
FB
SW
GND
GND_SLUG
L4001 2.2uH 1223-4064
C4007 10uF 1000-0061
R4003 240Kohms 1000-4168
C4008 18pF 1000-6078
VREG_ES1_1V2
VREG_L7_1V8
R4008 100Kohms 1000-0376
R4004 240Kohms 1000-4168

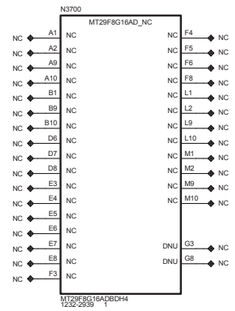
System Core


N3800
PM8058_CTRL
PHONE_ON_N
PHONE_ON_N
D10
KYPD_PWR_N
B14
RESIN_N
NC
PON_RESET_N
E15
PON_RESET_N
D12
PS_HOLD
SSBI
D11
SSBI
AL19
MPM_GPIO_2
N3000
PM_INT_SEC_N
E11
PM_IRQ_SROT_N
D3
GPIO_179
PM_INT_MDM_N
E13
PM_IRQ_MDM_N
PM_INT_USR_N
E12
PM_IRQ_APC_N
B15
GPIO_028
F14
GPIO_027
MSM8255-0
1238-9813_2
PM8058
1226-6567_2
N3000
GPIO_029
AH15
PS_HOLD
R4200 10Kohms
1000-0375
MSM8255-0
1238-9813_2
B4101
32.768kHz
1 IN
OUT 2
CC7VT1A
1001-0016
XTAL_32Khz_IN
A8
XTAL_32Khz_OUT
A7
N3800
PM8058_GEN_HSKPG
XTAL_32K_IN
XTAL_32K_OUT
SLEEP_CLK0
C15
SLEEP_CLK
B4100
XTAL_19Mhz_OUT
A2
XTAL_19Mhz_IN
A3
XTAL_19M_IN
XTAL_19M_OUT
XO_OUT_A0_EN
B7
NC
XO_OUT_A0
D6
NC
MCLK_A0_RF
MCLK_A0_RF
I/O
GND
19.2MHz
TSX-3225
1237-1335
XO_OUT_A1_EN
D6
NC
XO_OUT_A1
D7
NC
VREG_L18_2V2
G2
XOADC_REF
H7
GND_XOADC
XO_OUT_D0_EN
B3
NC
XO_OUT_D0
D5
NC
R4104
100Kohms
1000-0376
C4104
100nF
1000-6848
XO_OUT_D1_EN
B2
TCXO_EN
XO_OUT_D1
E4
MCLK_D1_MSM
N3800
MPP_09
K13
XO_THERM
PM8058
1226-6567_2
C4103
1nF
1000-0050
R4103
100Kohms
1214-3673
075
NETGRN
ST4100
N3000
MPM_GPIO_1
AJ18
TCXO_EN
MSM8255-0
1238-9813_2
PON_RESET_N
SLEEP_CLK
A13
MCLK_D1_MSM
AH18
N3000
MSM8255-0_BB_CTRL
RESIN_N
RESOUT_1P8_N
SLEEP_CLK
LPA_XTAL_IN
AN26
XTAL_24Mhz_IN
TCXO
LPA_XTAL_OUT
AN27
XTAL_24Mhz_OUT
MSM8255-0
1238-9813_2
B3300
I/O
COVER
24.576MHz
EXS00A-CS02574
1226-8850
C3301
15pF
1000-0060
C3300
15pF
1000-0060
N3800
GPIO_20
N2
RF_ID_EN
PM8058
1226-6567_2
R4121
10Kohms
1000-0375
RF_ID
J13
N3800
MPP_08
PM8058
1226-6567_2
R4122
27K
1000-4153
VREG_L8_1V8
R3404
2.2Kohms
1000-4131
R3403
2.2Kohms
1000-4131
N3000
GPIO_070
AJ5
I2C_SCL
I2C_SCL
GPIO_071
AH6
I2C_SDA
I2C_SDA
MSM8255-0
1238-9813_2
SLEEP_CLK
SLEEP_CLK
RESOUT_1V8_N
RESOUT_1V8_N
MCLK_D1_MSM
MCLK_D1_MSM

Memory


HW_SERVICE
RESOUT_1V8_N
R3612 0
1000-0181
VREG_S3_1V8
R3704
2.2Kohms
1000-4131
N3000
MSM8255-0_EBI2
EBI2_AD[15] AA5 EBI2_AD_15
EBI2_AD[14] W3 EBI2_AD_14
EBI2_AD[13] AB5 EBI2_AD_13
EBI2_AD[12] W5 EBI2_AD_12
EBI2_AD[11] T2 EBI2_AD_11
EBI2_AD[10] T3 EBI2_AD_10
EBI2_AD[9] T5 EBI2_AD_09
EBI2_AD[8] R6 EBI2_AD_08
EBI2_AD[7] W2 EBI2_AD_07
EBI2_AD[6] V3 EBI2_AD_06
EBI2_AD[5] Y3 EBI2_AD_05
EBI2_AD[4] V5 EBI2_AD_04
EBI2_AD[3] W6 EBI2_AD_03
EBI2_AD[2] U6 EBI2_AD_02
EBI2_AD[1] R5 EBI2_AD_01
EBI2_AD[0] P5 EBI2_AD_00
EBI2_CLK U5 NC
EBI2_CS0_N AB3
EBI2_CS6_N AC5 NC
EBI2_ADV_N Y2 NC
EBI2_WE_N W1
EBI2_OE_N AB6
EBI2_LB_N AA3
EBI2_UB_N Y5
EBI2_WAIT_N U1 NC
EBI2_BUSY0_N U2
MSM8255-0
1238-9813_2
EBI2_BUSY0_N
EBI2_OE_N
EBI2_CS0_N
EBI2_UB_N
EBI2_WE_N
RESOUT_1V8_N
EBI2_NAND_ALE
N3700
MT29F8G16AD_NAND
RE D4
CE C6
CLE D5
WE C7
WP C3
ALE C4
LOCK G5
NC
R/B C8
I/O15 G7 EBI2_AD[15]
I/O14 H7 EBI2_AD[14]
I/O13 G6 EBI2_AD[13]
I/O12 H6 EBI2_AD[12]
I/O11 J5 EBI2_AD[11]
I/O10 H5 EBI2_AD[10]
I/O9 J3 EBI2_AD[9]
I/O8 H3 EBI2_AD[8]
I/O7 J8 EBI2_AD[7]
I/O6 K7 EBI2_AD[6]
I/O5 J7 EBI2_AD[5]
I/O4 K6 EBI2_AD[4]
I/O3 K5 EBI2_AD[3]
I/O2 K4 EBI2_AD[2]
I/O1 J4 EBI2_AD[1]
I/O0 H4 EBI2_AD[0]
G4 VCC
D3 VCC
H8 VCC
J6 VCC
VSS F7
VSS K3
VSS K8
VSS C5
VREG_S3_1V8
C3705 100nF 1000-6848
C3706 100nF 1000-6848
MT29F8G16ADBDH4
1232-2939 1
EBI2_AD[15:0]


VREG_ES1_1V2
R3309 100Kohms 1000-0376
C3304 100nF 1000-6848
VREF_DDR0_DDR1
R3310 100Kohms 1000-0376
C3305 100nF 1000-6848
N3000
MSM8255-0_EBI0_EBI1
VREF_CA_DDR0 AN18
VREF_CA_DDR1 AB33
VREF_DQ_DDR0 A20
VREF_DQ_DDR1 AB1
ZQ_DDR0_DS_CAL AN14
ZQ_DDR1_DS_CAL AJ33
EBI0_CAL AJ26
EBI1_CAL AE29
ZQ_DDR0
ZQ_DDR1
EBI0_CAL
EBI1_CAL
VREF_EBI0_CA AH20
VREF_EBI1_CA AB28
VREF_EBI0_DQ_1 F22
VREF_EBI0_DQ_0 E12
VREF_EBI1_DQ_1 N6
VREF_EBI1_DQ_0 AD6
MSM8255-0
1238-9813_2
R3307 240ohms 1000-4111
R3308 240ohms 1000-4111
R3302 240ohms 1000-4111
R3303 240ohms 1000-4111
VREG_L1_1V2
C3307 100nF 1000-6848
C3308 100nF 1000-6848
R3311 100Kohms 1000-0376
R3312 100Kohms 1000-0376
VREF_EBI1_EBI0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MT29F8G16AD_NC
NC A1
NC A2
NC A9
NC A10
NC B1
NC B9
NC B10
NC D6
NC D7
NC D8
NC E3
NC E4
NC E5
NC E6
NC E7
NC E8
NC F3
NC F4
NC F5
NC F6
NC F8
NC L1
NC L2
NC L9
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NC M2
NC M9
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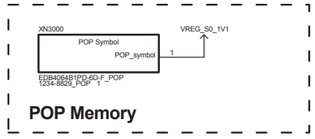
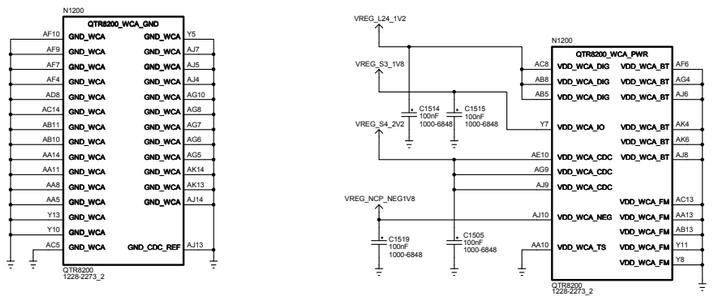
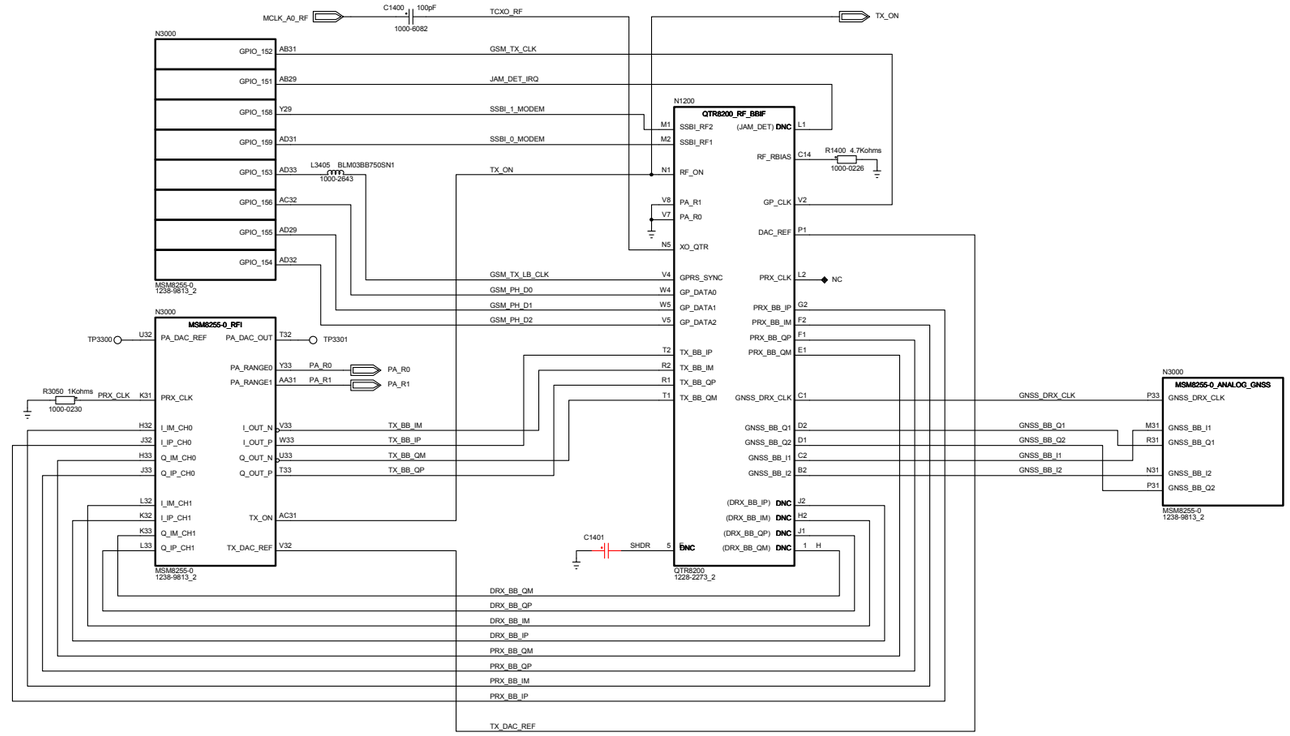
DNU G8
MT29F8G16ADBDH4
1232-2939 1


XN3000
POP Symbol
POP_symbol 1
VREG_S0_1V1
EDB4064B1PD-6D-F_POP
1234-9825_POP 1
POP Memory

QTR8200 WCA POWER



QTR8200 BB IF



QTR8200 CELL POWER

UMTS-radio

UMTS Band 5 (8)

N3800 PM8058_MUTS_PA_CTRL — PM8058 1226-6567_2
U_PA_ON0 N5 PA_ON_IMT
U_PA_ON1 N4 PA_ON_PCS
U_PA_ON2 M5 PA_ON_AWS
U_PA_ON3 M4 PA_ON_CELL

N1200 QTR8200_RF_TX — QTR8200 1228-2273_2
TX_LB1 U13 — TX_UC_B5
TX_LB2 V13 NC
TX_LB3 V14 NC
TX_LB4 U14 — PA_ON_CELL
TX_MB1 T14
TX_MB2 R14
TX_MB3 P14
TX_MB4 N14
U10 PDET_IN — PDET_IN

C1616 6.8pF 1000-6075; C1600 100pF 1000-6082; L1600 5.6n 1001-0855
R1609; Z1601 SAFEB897MAM0F00R14 1201-9547; C1601 100pF 1000-6082; L1604
C1606 5.6pF 1000-6074; L1605 15nH 1001-0864
N1600 RFIN RFOUT VEN VCC1 VMODE VCC2 VBP CPL GND ISO GND_SLUG — ACPM-5008-QR1 1238-0477
PA_ON_CELL PA_R0 PA_R1 B5_R_DIVIDER CP_PCS
C1607 22pF 1000-0049; C1609 22pF 1000-0049; C1608 22pF 1000-0049
R1600 43ohms 1000-4094; R1602 130ohms 1000-4106; R1601 130ohms 1000-4106
VC1603 10p; VC1602 22n 1237-9286; C1604
VPH_PWR
C1605 100pF 1000-6082; C1611 100nF 1000-6848; C1612; C1617 2.2uF 1000-6901
Z1600 SAW B7870 1227-9289 836.5MHz — ANT RX RX TX GND GND GND GND GND
C1613 22p 1000-0049; L1601 22n 1001-0373
TX_U_RX_UG_B5_B8_B6 — TX_U_RX_UG_B5_B8_B6
C1614 100pF 1000-6082; L1602 3.3nH 1203-5872 — PRX_U_B5_B6_M
L1610 12nH 1001-0371
C1615 100pF 1000-6082; L1603 3.3nH 1203-5872 — PRX_U_B5_B6_P
N1200 QTR8200_RF_PRX — QTR8200 1228-2273_2
A7 PRX_LB1_INP; A8 PRX_LB1_INM; NC B9 PRX_LB2_INP; NC B8 PRX_LB2_INM; A11 PRX_MB1_INP; A12 PRX_MB1_INM; B12 PRX_MB2_INP; B11 PRX_MB2_INM; A9 PRX_HB_INP; A10 PRX_HB_INM

UMTS Band 2

TX_UC_AWS; TX_UC_PCS
C1721; C1722; C1730 L1708
Z1702 GND GND GND; C1720 L1703
Place close to N1701
VC1710; VC1701
PA_ON_PCS; PA_ON_AWS
PA_R0; PA_R1
R1704; R1703 0ohms 1000-0181; C1712 22pF 1000-0049
R1705 0ohms 1000-0181
CP_PCS; PA_ISO_CPL
N1701 GND — 1
C1708 22pF 1000-0049; C1723 100pF 1000-6848
VPH_PWR
VC1709; VC1719; VC1718
Z1701 SAW Freq
W1700 BALUN Bal Bal GND GND NC — NC
C1725; L1709; C1726; L1707; C1728; C1727
VC1702 PRX_AWS_P; PRX_PCS_M; PRX_PCS_P; VC1703 PRX_AWS_M
VC1704 0 1000-0181; VC1717 51 1000-4095
TRX_PCS_AWS — TRX_PCS_AWS

UMTS Band 1

TX_UC_IMT
C1713 3pF 1203-0961; L1700 2.7nH 1001-1243
Z1703 SAFEB1G99KA0F00 1201-9576 R State = 2; C1703 22pF 1000-0049; L1712 10nH 1200-0175
L1715 12nH 1001-0371
PA_ON_IMT; PA_R0; PA_R1
R1701 shares pad with N1700:6 on CDMA version; R1701
PA_ISO_CPL; PA_ISO_IMT
N1700 RFIN RFOUT VEN VCC1 VMODE VCC2 VBP CPL GND ISO GND_SLUG — ACPM-5001-QR1 1238-0469
C1702 22pF 1000-0049; C1716 100nF 1000-6848
R1700 51ohms 1000-4095
VPH_PWR
VC1705 3.9nH 1237-9272; C1715 1.5pF 1000-6068; C1714 1.8pF 1000-6069
Z1700 SAW B7899 1227-9265 1950MHz/2140MHz — ANT RX RX TX GND GND GND GND GND
C1705 22pF 1000-0049; L1701 12nH 1237-9282; C1700 22pF 1000-0049
C1707 22pF 1000-0049; L1705 4.3nH 1237-9273; C1711 22pF 1000-0049
PRX_IMT_M; PRX_IMT_P
VC1706 3pF 1232-8832; VC1707 4.7nH 1237-9274
TRX_IMT — TRX_IMT

GSM

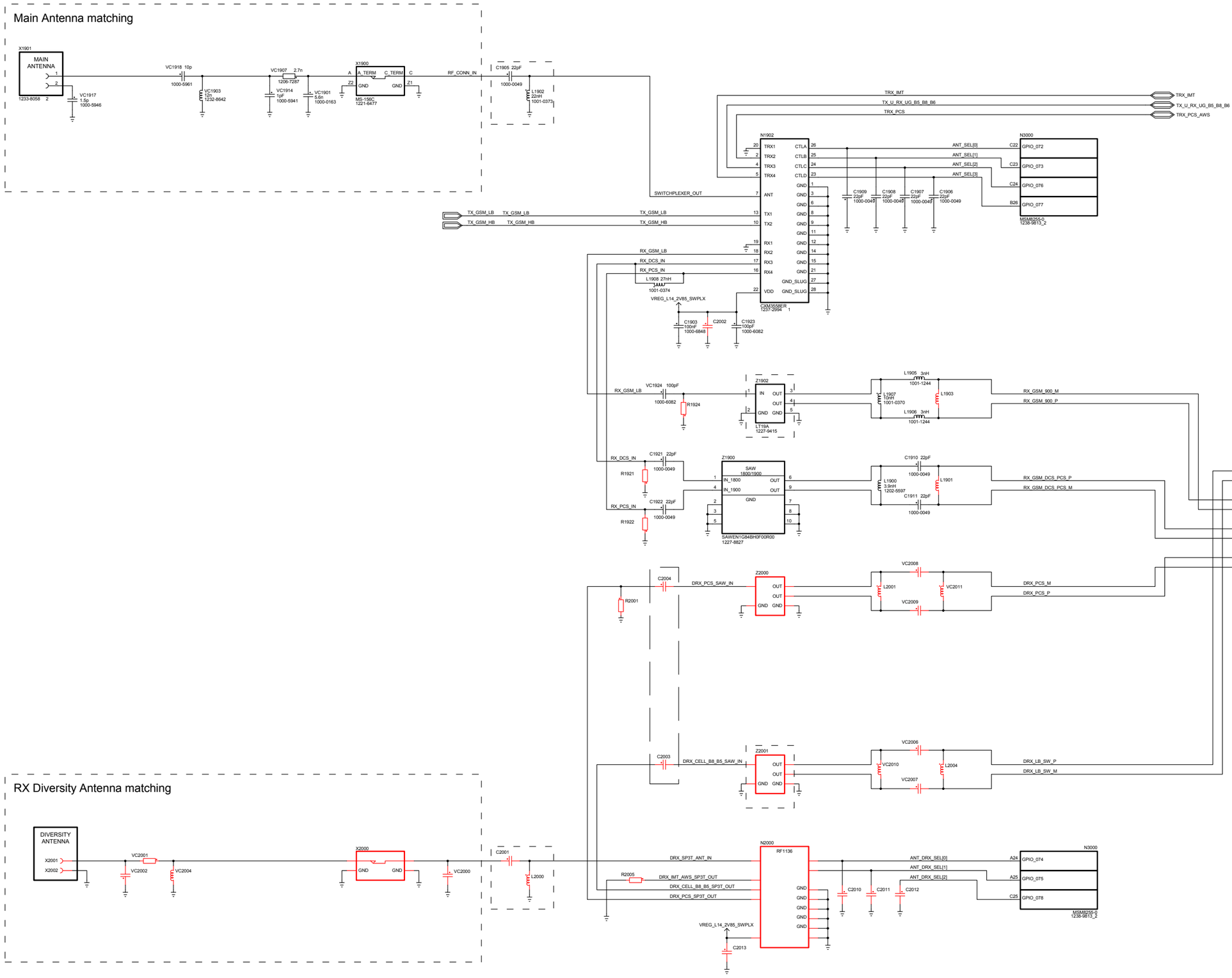
GSM_HB
VC1801 2.7pF 1000-6071; VC1803 33pF 1000-6203; VC1802 2.7nH 1001-1243
R1807 18ohms 1000-4087; R1801 300ohms 1000-4103; R1800 300ohms 1000-4103
GSM_LB
VC1810 9.1pF 1229-1569; VC1812 100pF 1000-6082; VC1811 4.7nH 1001-0856
N1800 DCS/PCS_IN DCS/PCS_OUT VMODE0 VMODE1 VCC VBATT HB_EN GSM_IN GSM_OUT LB_EN GND GND GND GND_SLUG — TQM7M5013 1232-2928 2
PA_R0; PA_R1; PA_ON_GSMHB; PA_ON_GSMLB
VBAT
C1805 1nF 1000-0047; C1804 10uF 1000-0051
C1806 1nF 1000-0047; C1807 22pF 1000-0049
GSM_HB_OUT; GSM_LB_OUT
VC1805 33pF 1000-6203 VC1804; VC1806
VC1814 100pF 1000-6082 VC1813; VC1815
GSM_HB_MATCH — TX_GSM_HB
TX_GSM_LB

N3800 PM8058_GSM_PA_CTRL — PM8058 1226-6567_2
PA_R0; PA_R1
G_PA_ON0 N6 PA_ON_GSMHB
G_PA_ON1 L5 PA_ON_GSMLB
VOUT_PA_CTL L4
C4201 1uF 1000-0051
C1813 22pF 1000-0049; C1800 22pF 1000-0049; C1801 22pF 1000-0049; C1802 22pF 1000-0049

LZF 030 101/F R01

H=16NA; V=11LD

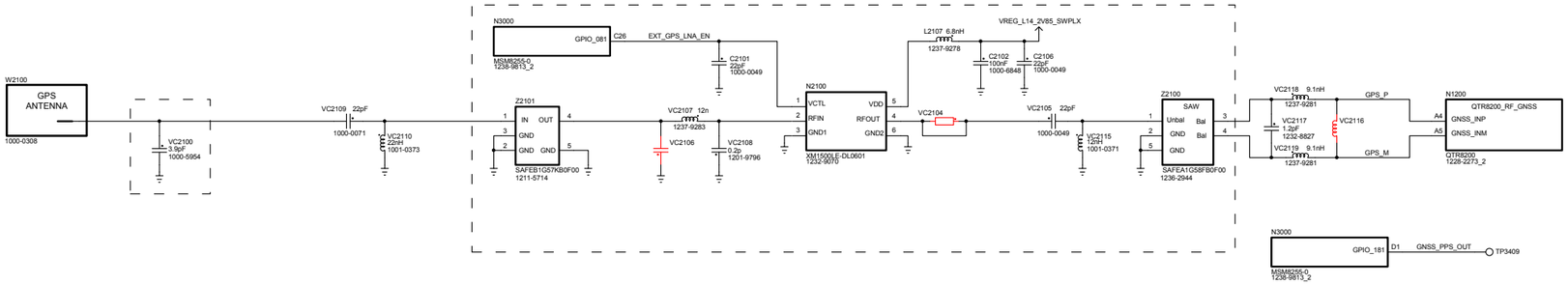
GSM/EDGE/Common



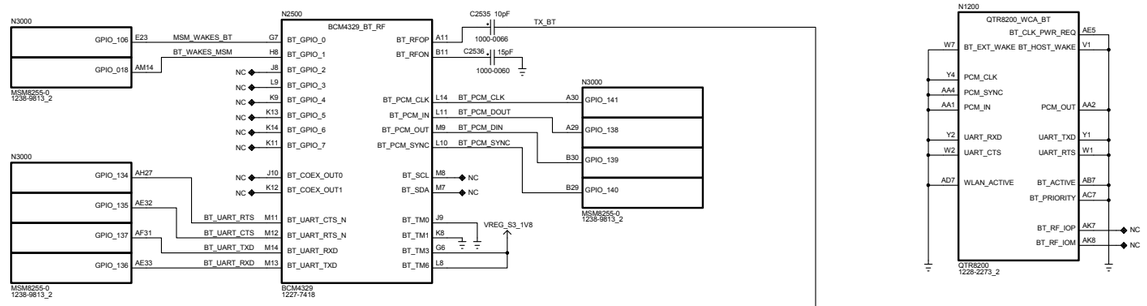
L2F 030 101/F RB1

H=16NA; V=11LD

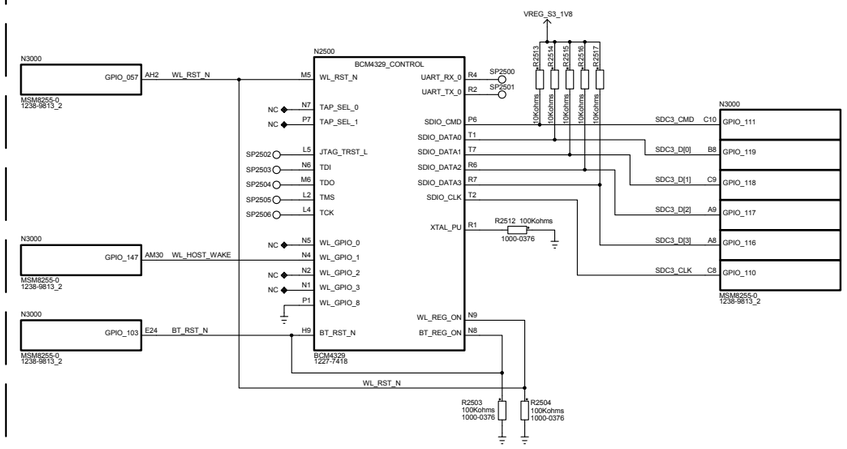
GPS

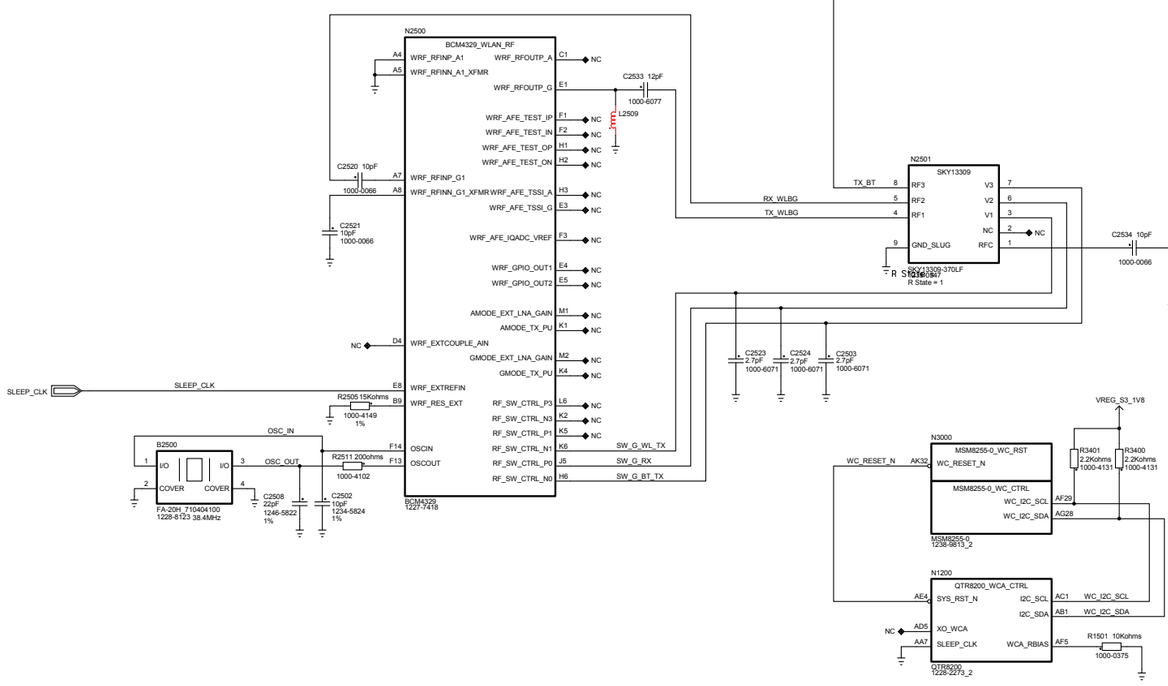

W2100
GPS ANTENNA
1000-0308
VC2100 3.9pF 1000-5954
VC2109 22pF 1000-0071
VC2110 22nH 1001-0373
Z2101
IN OUT
GND
GND GND
SAFEB1G57KB0F00 1211-5714
N3000
GPIO_081
C26
EXT_GPS_LNA_EN
MSM8255-0 1238-9813_2
C2101 22pF 1000-0049
VC2107 12n 1237-9283
VC2106
VC2108 0.2p 1201-9796
N2100
VCTL
RFIN
GND1
VDD
RFOUT
GND2
XM1500ILE-DL0601 1232-9070
VREG_L14_2V85_SWPLX
L2107 6.8nH 1237-9278
C2102 100nF 1000-6848
C2106 22pF 1000-0049
VC2104
VC2105 22pF 1000-0049
VC2115 12nH 1001-0371
Z2100
SAW
Unbal Bal
GND Bal
GND
SAFEA1G58FB0F00 1236-2944
VC2118 9.1nH 1237-9281
VC2117 1.2pF 1232-8827
VC2119 9.1nH 1237-9281
VC2116
GPS_P
GPS_M
N1200
QTR8200_RF_GNSS
GNSS_INP
GNSS_INM
QTR8200 1228-2273_2
N3000
GPIO_181
D1
GNSS_PPS_OUT
TP3409
MSM8255-0 1238-9813_2

BT Radio

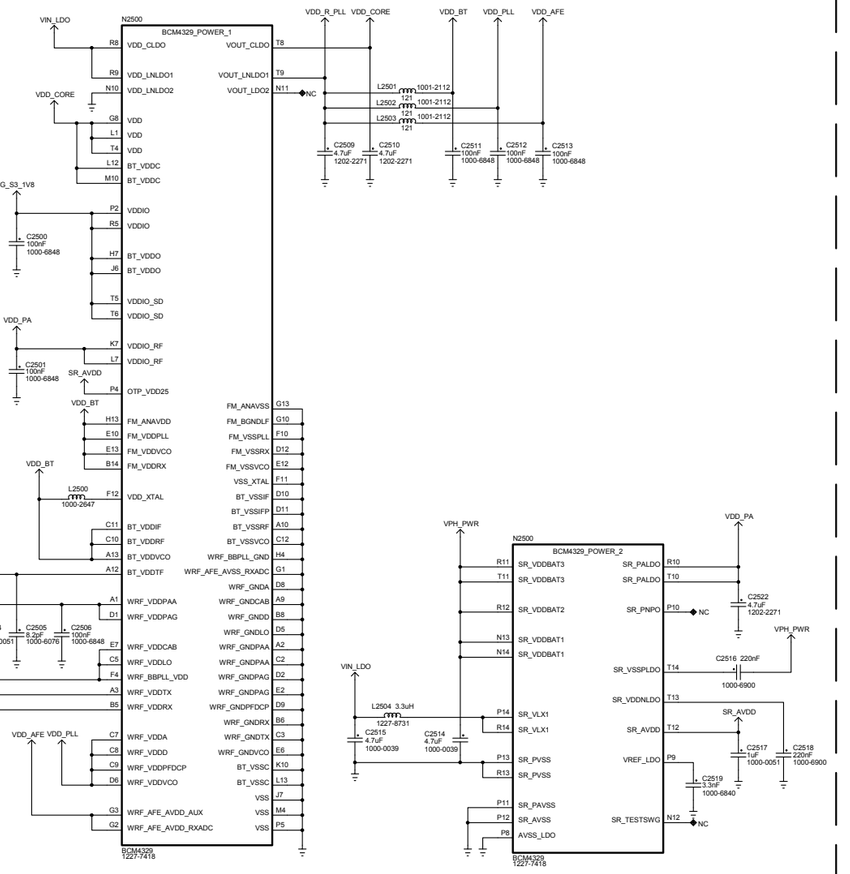


WLAN Radio

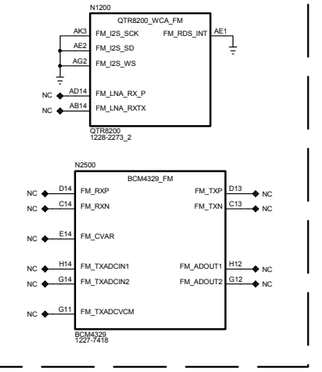




WLAN/BT/FM power

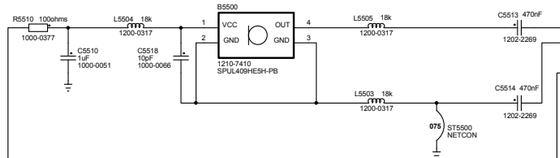


FM Radio

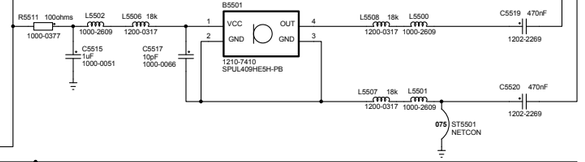


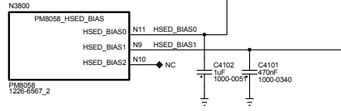
Analog Audio

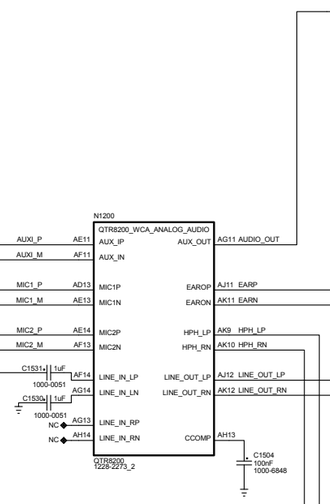
Microphone #2 (Left)



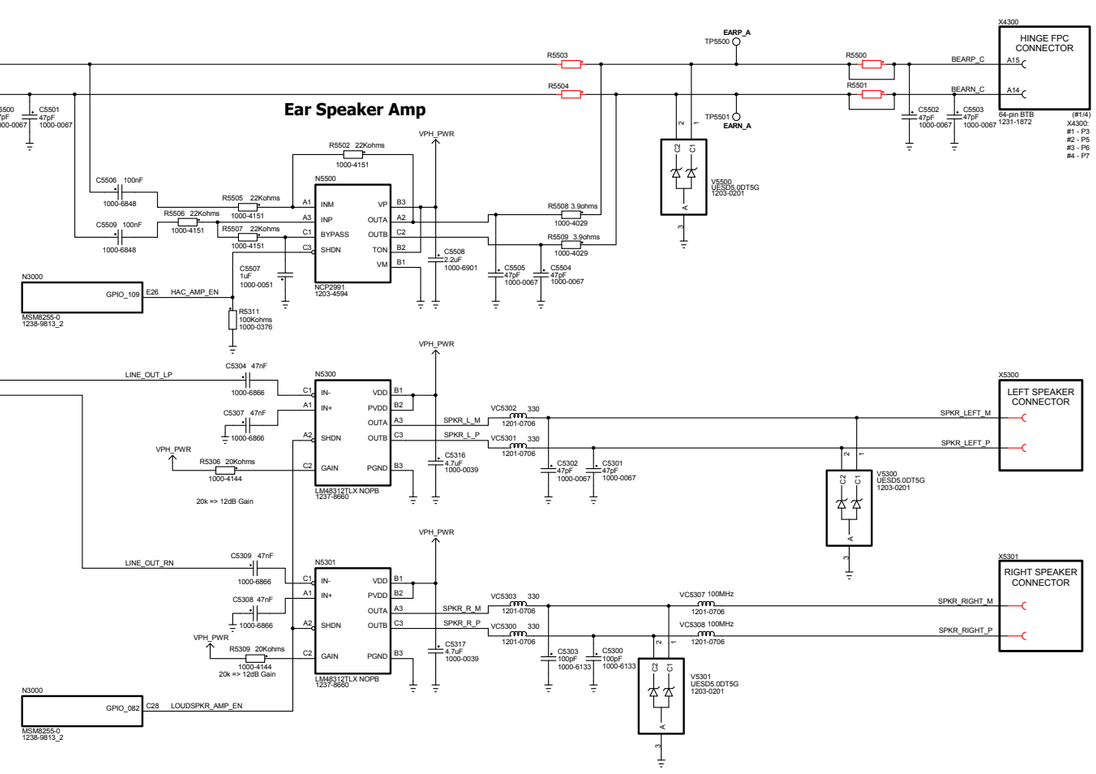
Microphone #1 (Right)



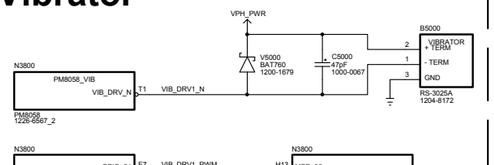




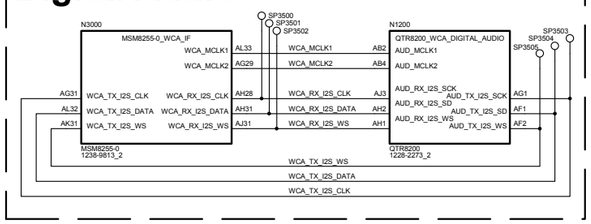
Ear Speaker Amp



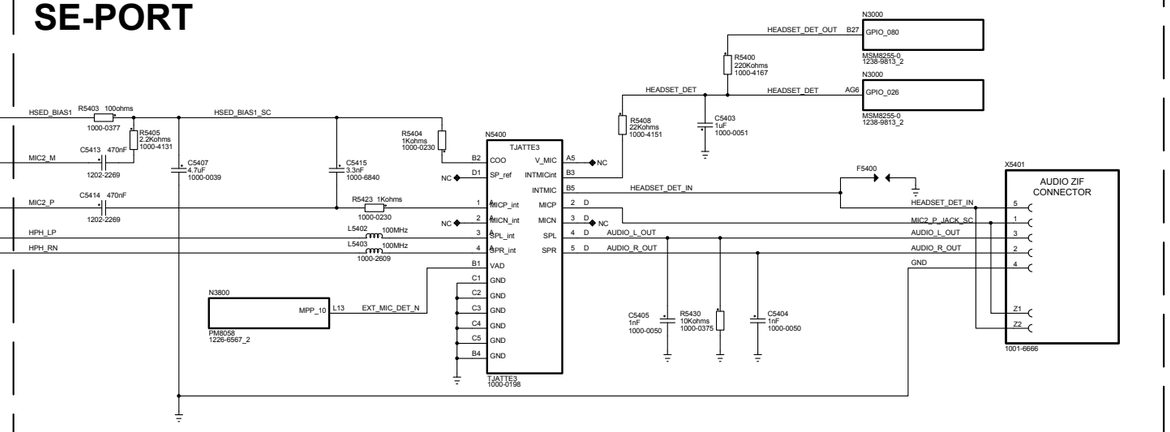
Vibrator



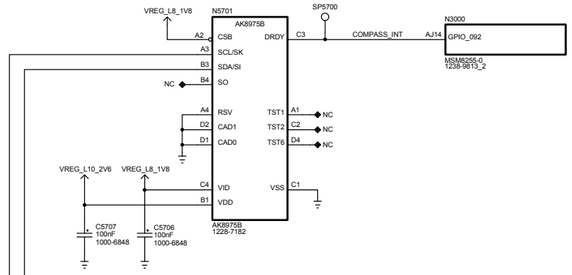
Digital Audio



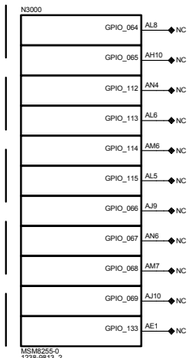
SE-PORT



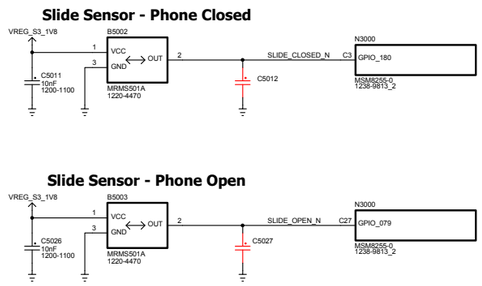
E-Compass



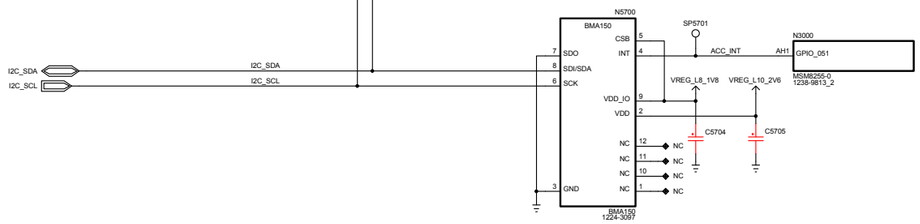
eMMC



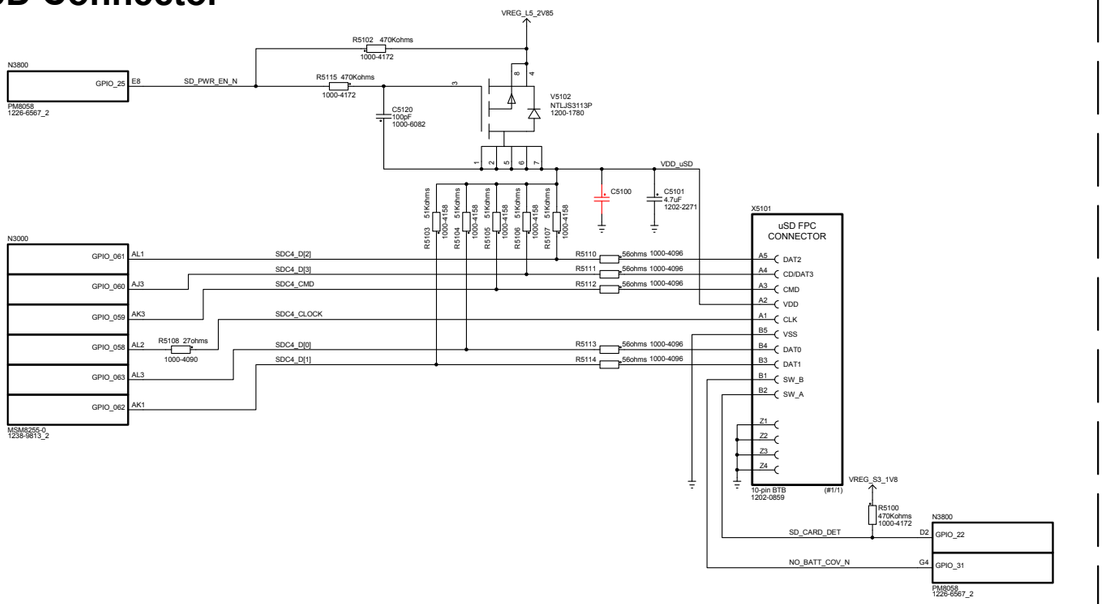
MR Sensor



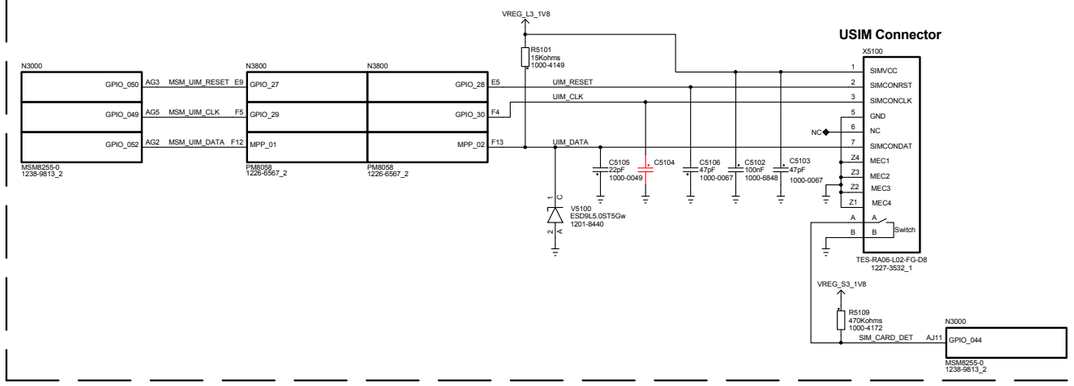
Accelerometer



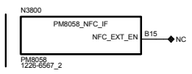
µSD Connector



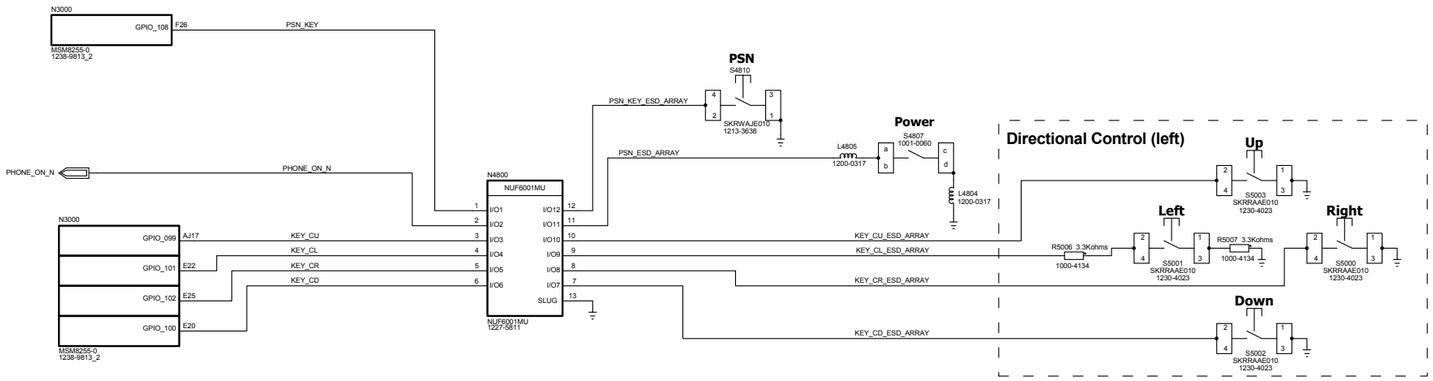
USIM Connector

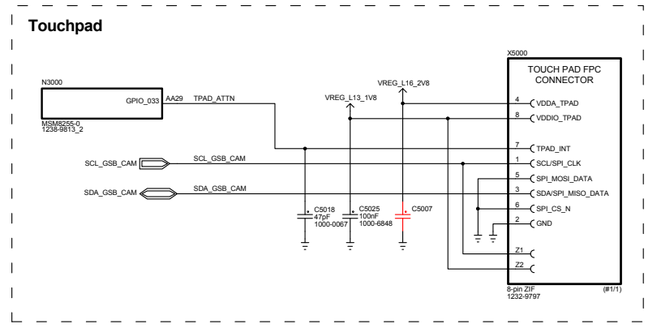


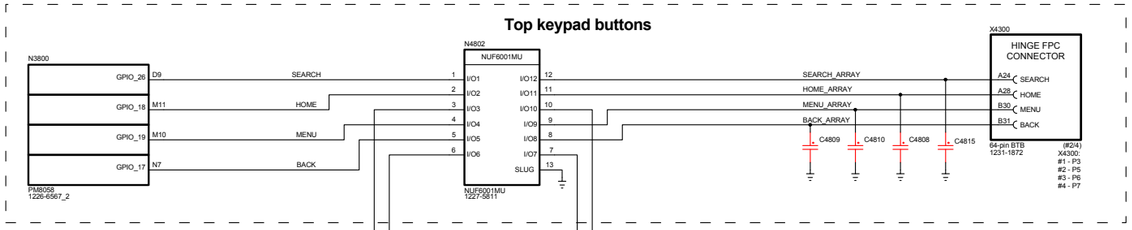
NFC Board

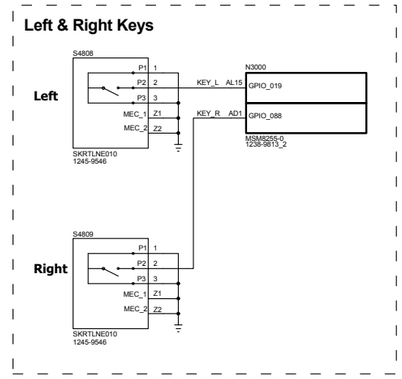


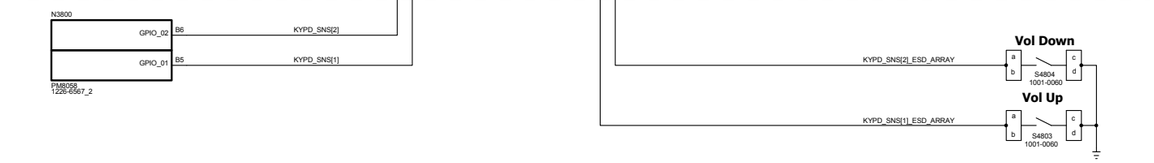
Keyboard

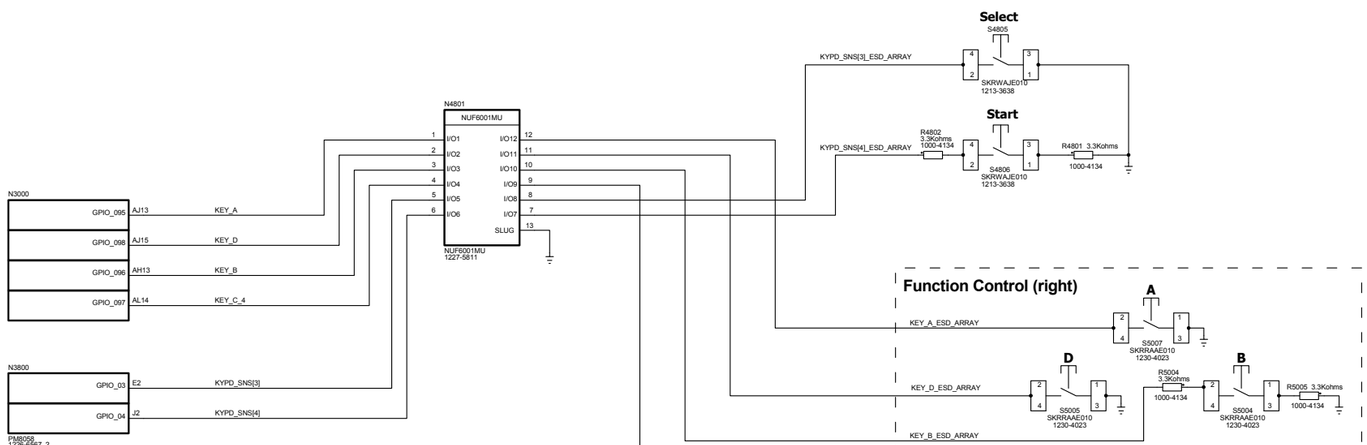

N3000
GPIO_108
F26
PSN_KEY
MSM8255-0
1238-9813_2
PSN
S4810
SKRWAJE010
1213-3638
PSN_KEY_ESD_ARRAY
PSN_ESD_ARRAY
Power
S4807
1001-0060
L4805
1200-0317
L4804
1200-0317
PHONE_ON_N
PHONE_ON_N
N4800
NUF6001MU
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O12
I/O11
I/O10
I/O9
I/O8
I/O7
SLUG
NUF6001MU
1227-5811
N3000
GPIO_099
AJ17
KEY_CU
GPIO_101
E22
KEY_CL
GPIO_102
E25
KEY_CR
GPIO_100
E20
KEY_CD
MSM8255-0
1238-9813_2
KEY_CU_ESD_ARRAY
KEY_CL_ESD_ARRAY
KEY_CR_ESD_ARRAY
KEY_CD_ESD_ARRAY
Directional Control (left)
Up
S5003
SKRRAAE010
1230-4023
Left
S5001
SKRRAAE010
1230-4023
R5006 3.3Kohms
1000-4134
R5007 3.3Kohms
1000-4134
Right
S5000
SKRRAAE010
1230-4023
Down
S5002
SKRRAAE010
1230-4023

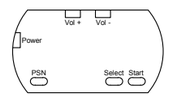

Touchpad
N3000
GPIO_033
AA29
TPAD_ATTN
MSM8255-0
1238-9813_2
VREG_L13_1V8
VREG_L16_2V8
SCL_GSB_CAM
SDA_GSB_CAM
C5018
47pF
1000-0067
C5025
100nF
1000-6848
C5007
X5000
TOUCH PAD FPC
CONNECTOR
VDDA_TPAD
VDDIO_TPAD
TPAD_INT
SCL/SPI_CLK
SPI_MOSI_DATA
SDA/SPI_MISO_DATA
SPI_CS_N
GND
Z1
Z2
8-pin ZIF
1232-9797
(#1/1)


Top keypad buttons
N3800
GPIO_26
D9
SEARCH
GPIO_18
M11
HOME
GPIO_19
M10
MENU
GPIO_17
N7
BACK
PM8058
1226-6567_2
N4802
NUF6001MU
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O12
I/O11
I/O10
I/O9
I/O8
I/O7
SLUG
NUF6001MU
1227-5811
SEARCH_ARRAY
HOME_ARRAY
MENU_ARRAY
BACK_ARRAY
C4809
C4810
C4808
C4815
X4300
HINGE FPC
CONNECTOR
A24
SEARCH
A28
HOME
B30
MENU
B31
BACK
64-pin BTB
1231-1872
(#2/4)
X4300:
#1 - P3
#2 - P5
#3 - P6
#4 - P7


Left & Right Keys
S4808
Left
SKRTLNE010
1245-9546
KEY_L
AL15
KEY_R
AD1
N3000
GPIO_019
GPIO_088
MSM8255-0
1238-9813_2
S4809
Right
SKRTLNE010
1245-9546


N3800
GPIO_02
B6
KYPD_SNS[2]
GPIO_01
B5
KYPD_SNS[1]
PM8058
1226-6567_2
Vol Down
S4804
1001-0060
Vol Up
S4803
1001-0060
KYPD_SNS[2]_ESD_ARRAY
KYPD_SNS[1]_ESD_ARRAY


Select
S4805
SKRWAJE010
1213-3638
KYPD_SNS[3]_ESD_ARRAY
Start
S4806
SKRWAJE010
1213-3638
R4802
3.3Kohms
1000-4134
KYPD_SNS[4]_ESD_ARRAY
R4801 3.3Kohms
1000-4134
N4801
NUF6001MU
I/O1
I/O2
I/O3
I/O4
I/O5
I/O6
I/O12
I/O11
I/O10
I/O9
I/O8
I/O7
SLUG
NUF6001MU
1227-5811
N3000
GPIO_095
AJ13
KEY_A
GPIO_098
AJ15
KEY_D
GPIO_096
AH13
KEY_B
GPIO_097
AL14
KEY_C_4
N3800
GPIO_03
E2
KYPD_SNS[3]
GPIO_04
J2
KYPD_SNS[4]
PM8058
1226-6567_2
Function Control (right)
A
S5007
SKRRAAE010
1230-4023
KEY_A_ESD_ARRAY
D
S5005
SKRRAAE010
1230-4023
KEY_D_ESD_ARRAY
R5004
3.3Kohms
1000-4134
B
S5004
SKRRAAE010
1230-4023
R5005 3.3Kohms
1000-4134
KEY_B_ESD_ARRAY
C
S5006
SKRRAAE010
1230-4023
KEY_C

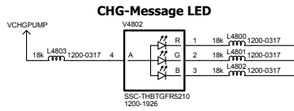

Vol +
Vol -
Power
PSN
Select
Start

Light sensor

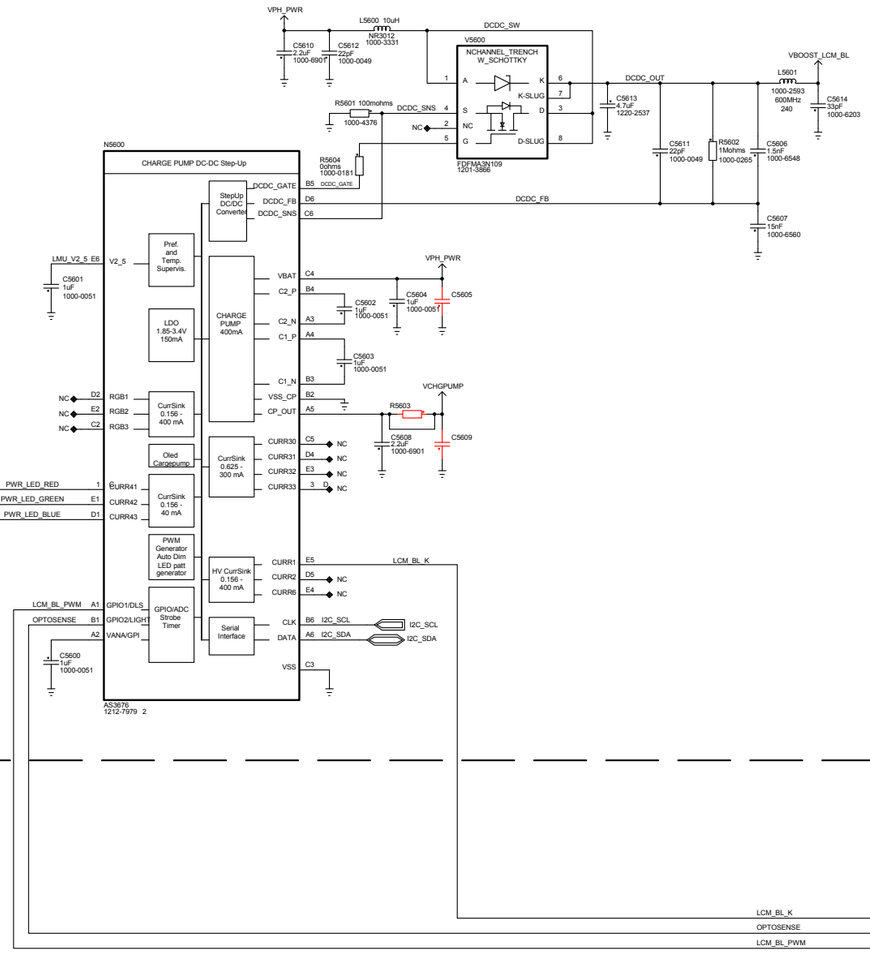
Torch LED

MMI LED

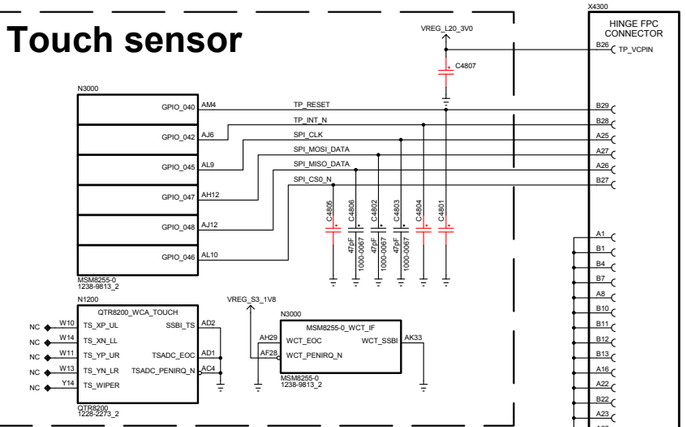
CHG-Message LED



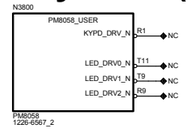
LMU



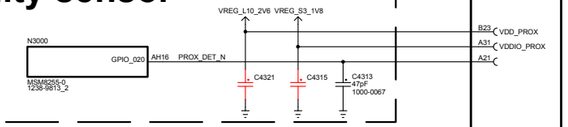
Touch sensor



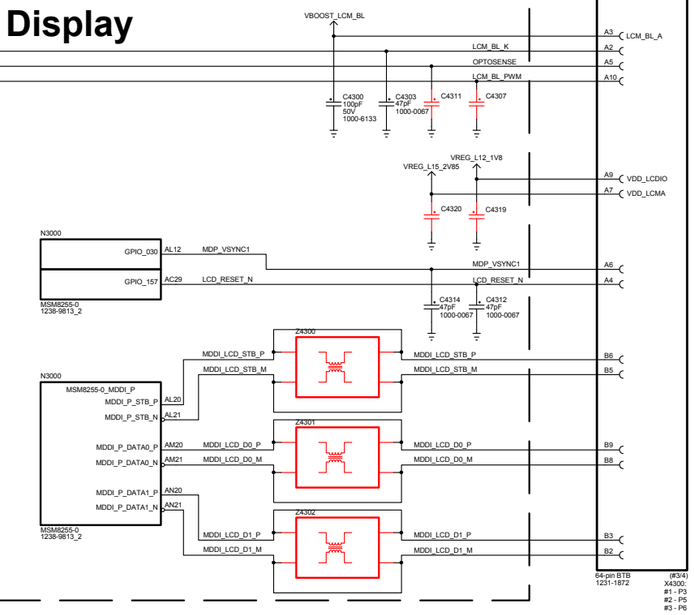
Keyboard(Back Light)



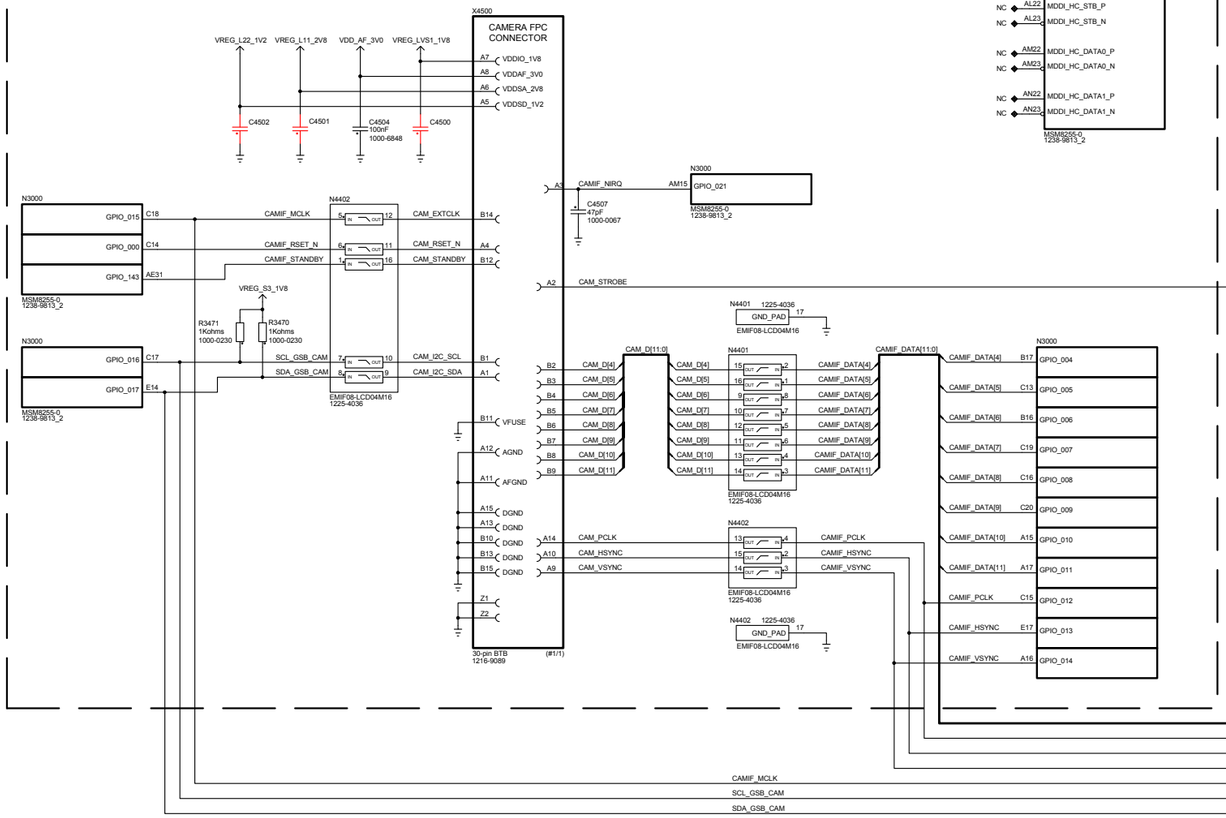
Proximity sensor



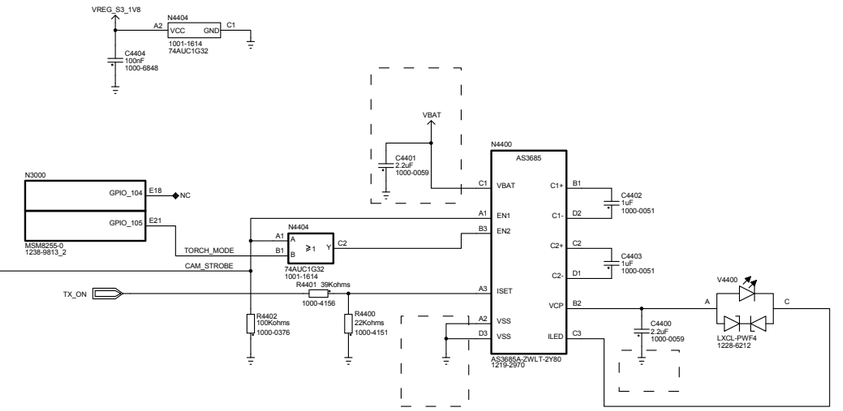
Display



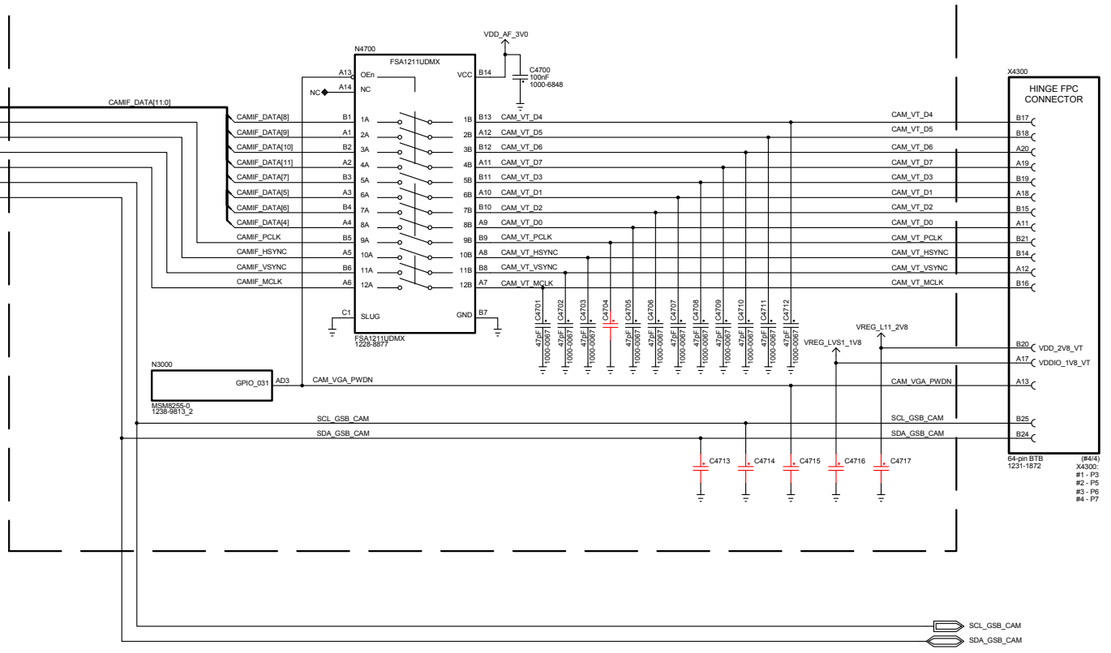
Main Camera



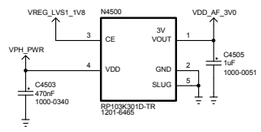
Flash LED Driver



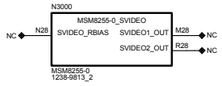
Sub Camera



Camera Power



Analog TV Out



Revision History

Rev.	Date	Changes / Comments
1	2011-03-03	1st release
2	2011-03-31	Notes update