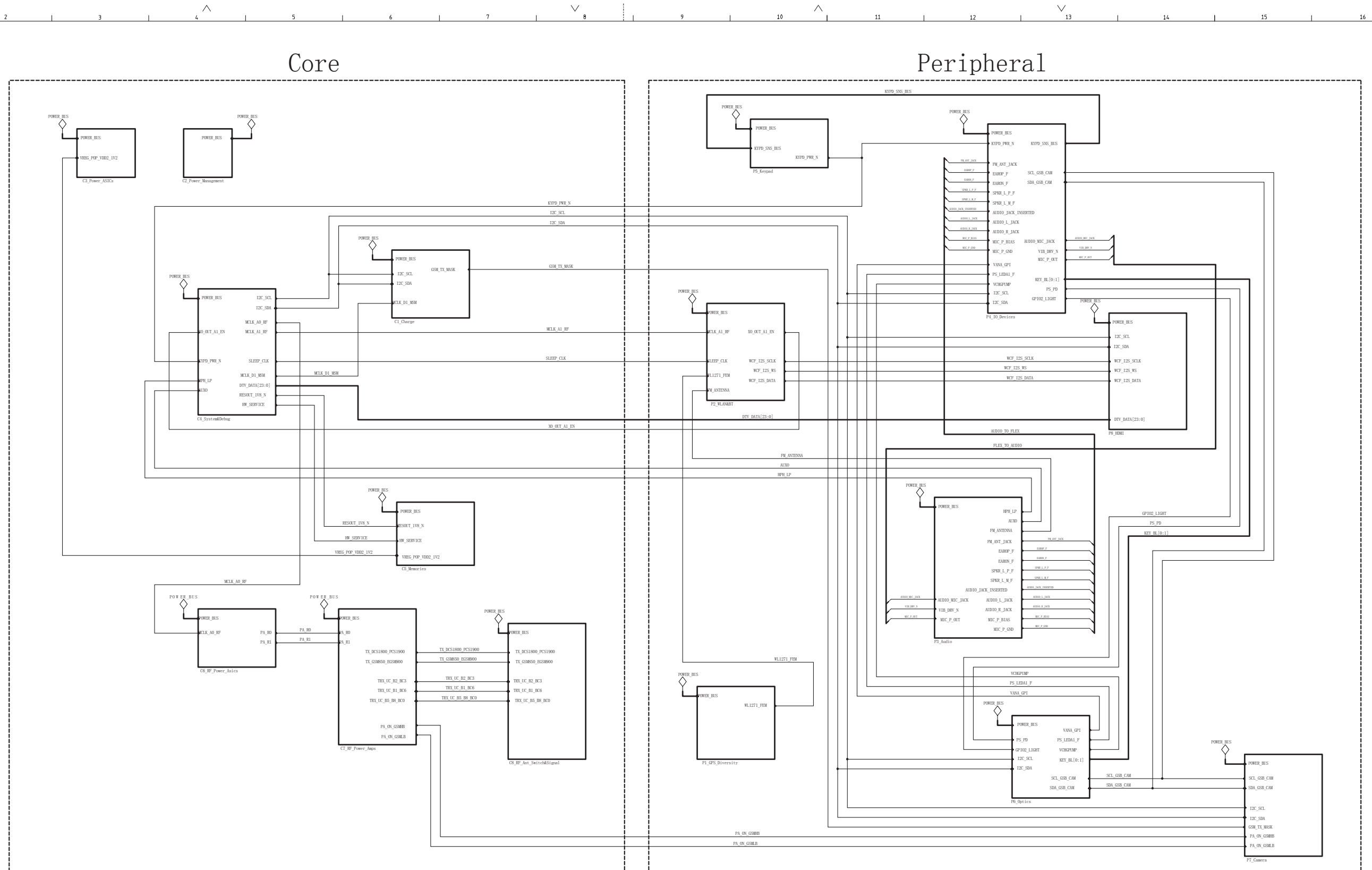
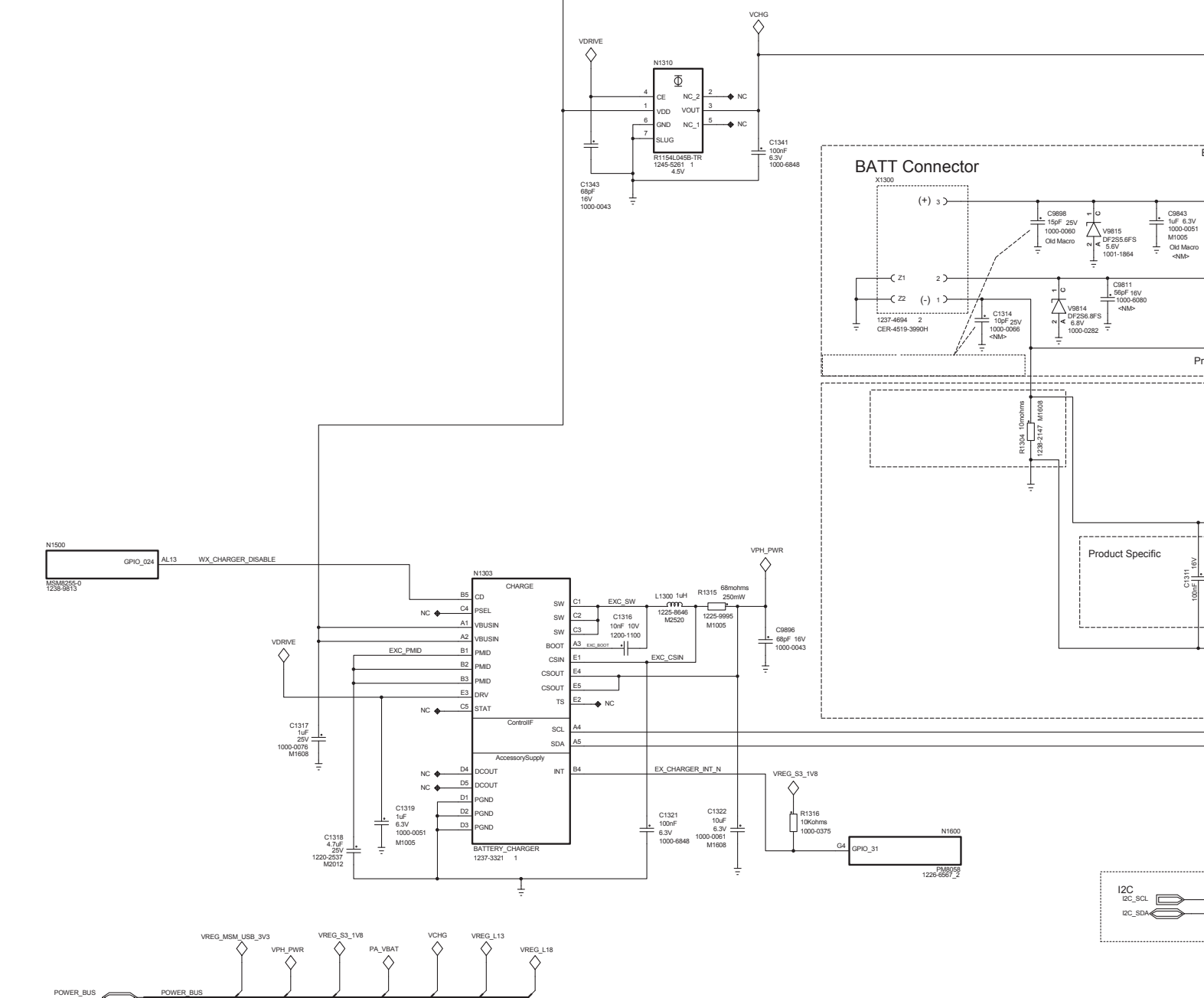


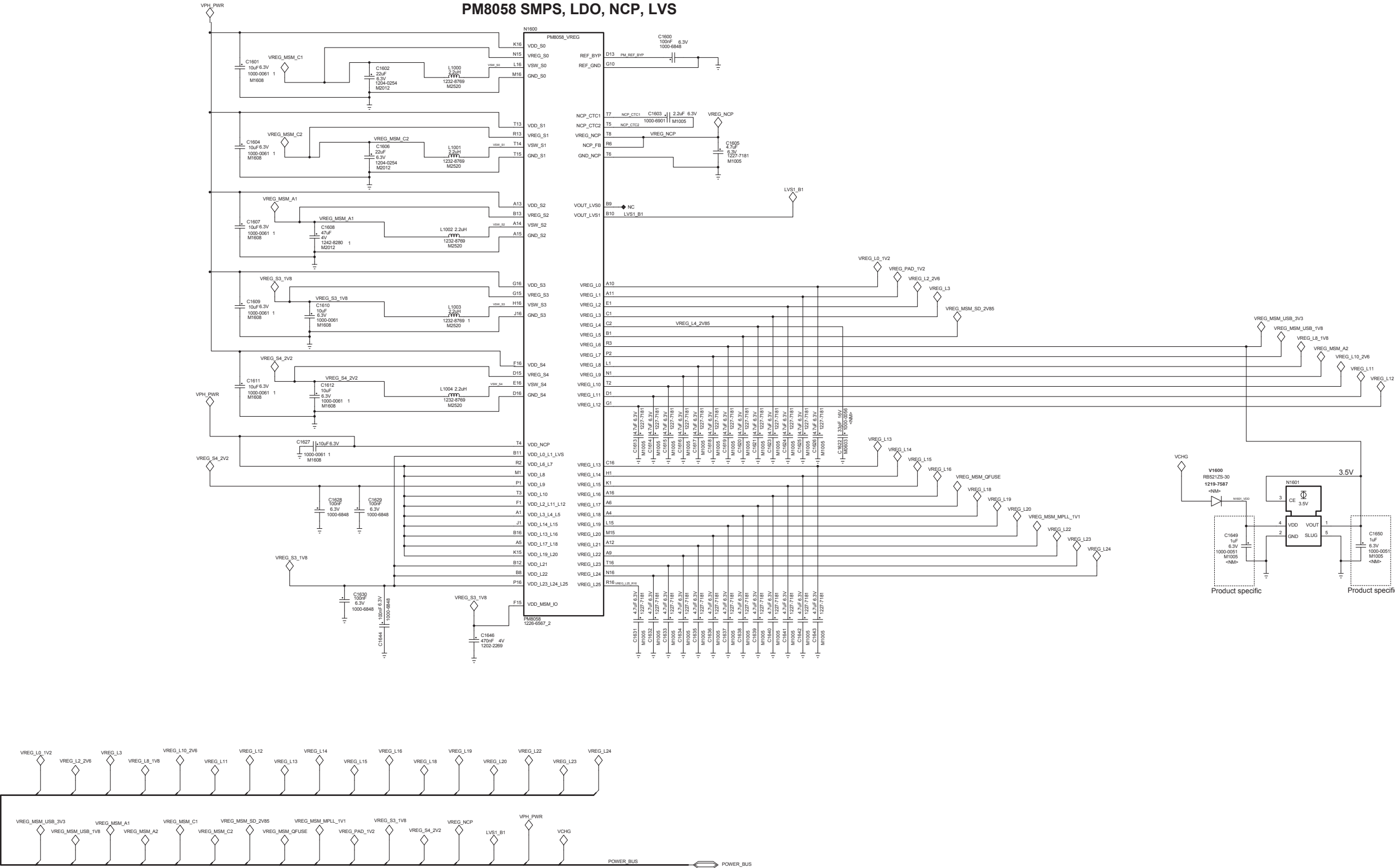
Schematics, Electrical

Applicable for Xperia™ LT15i, LT15a

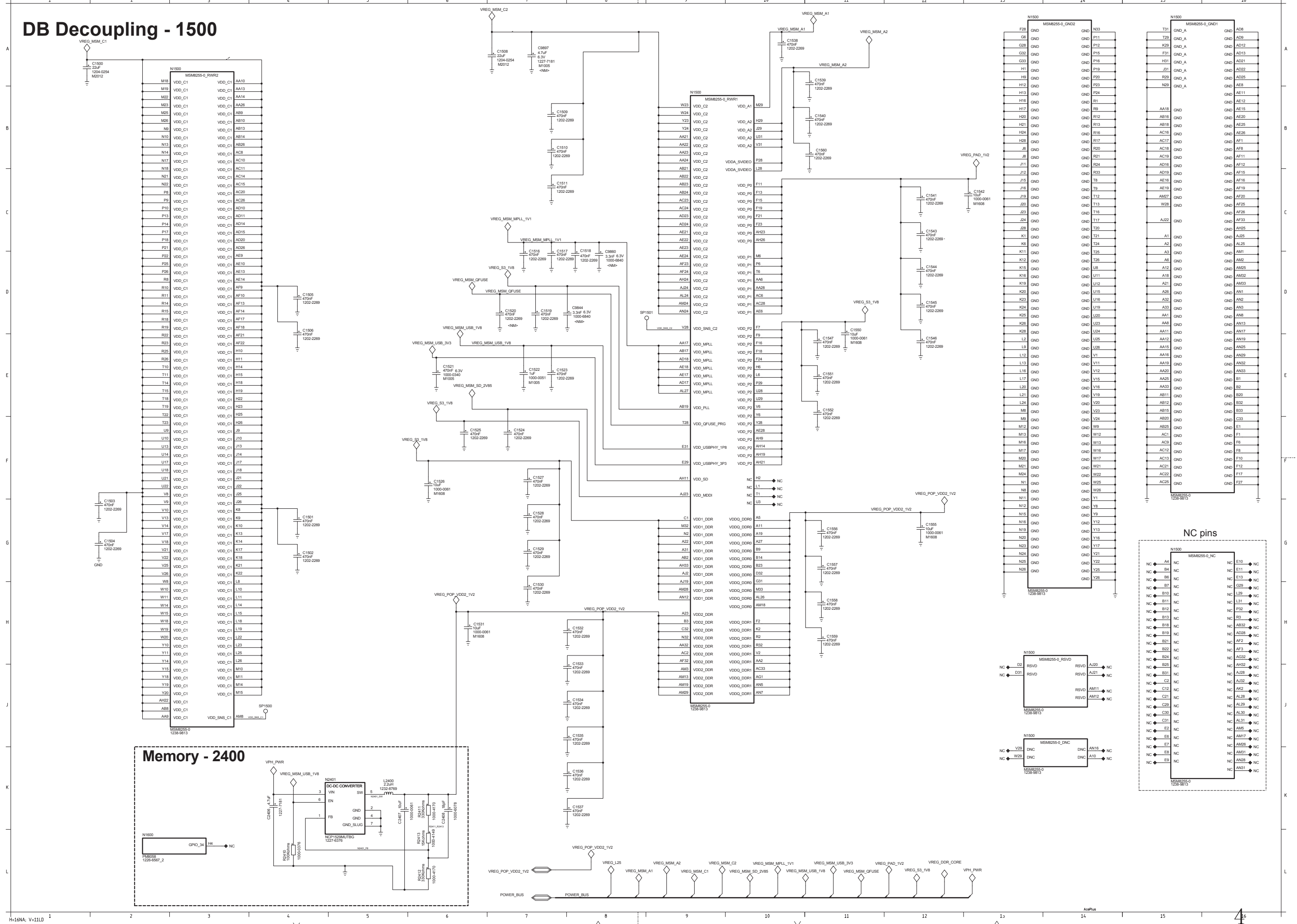




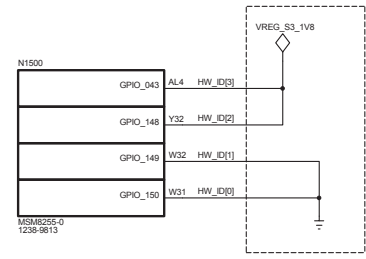
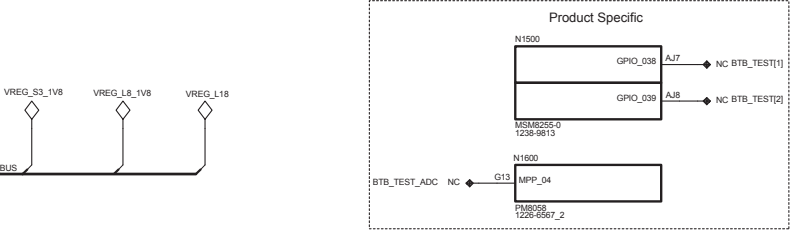
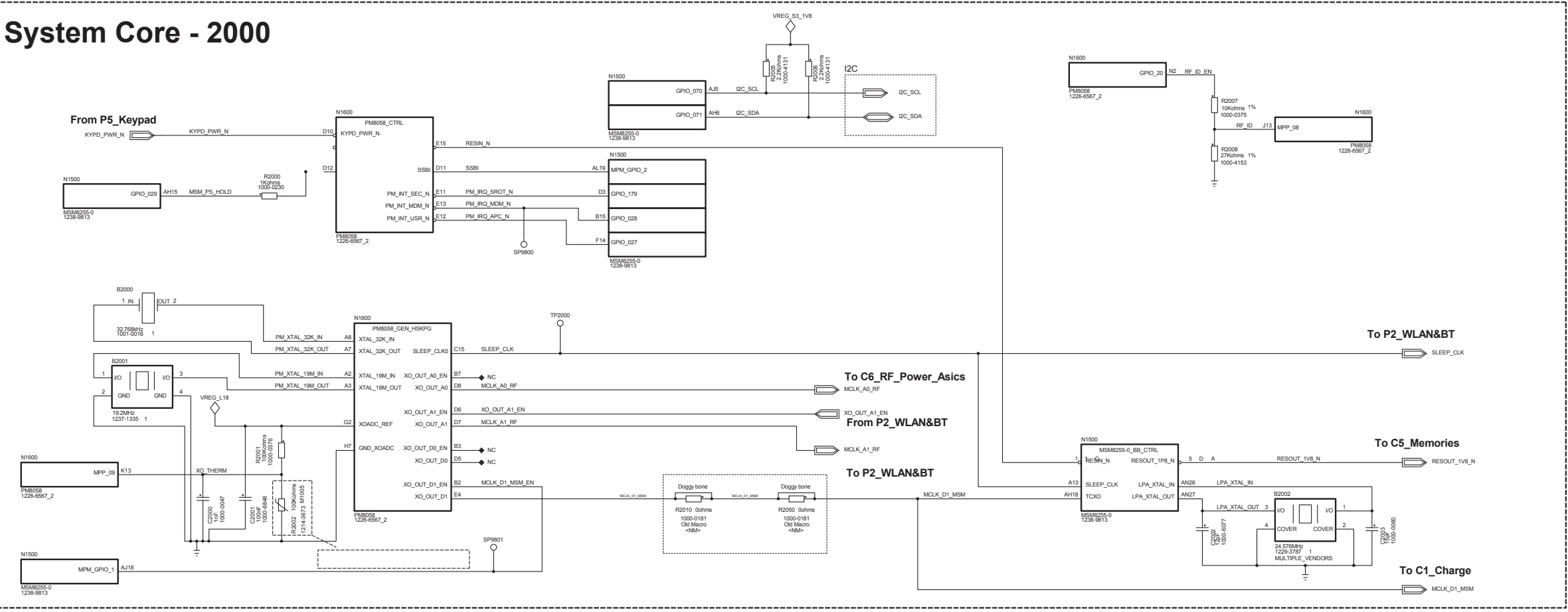
Power Management - 1000



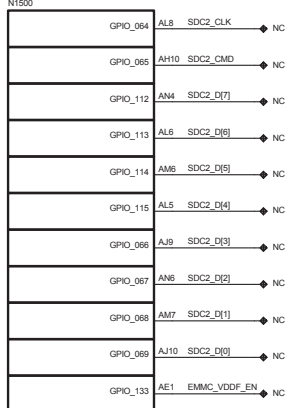
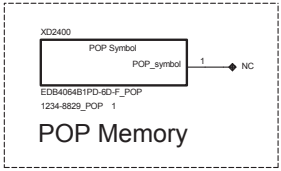
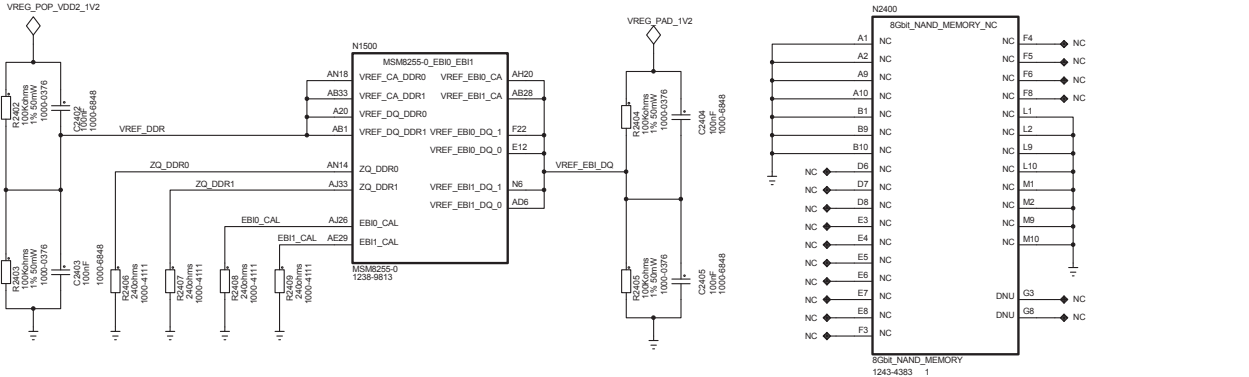
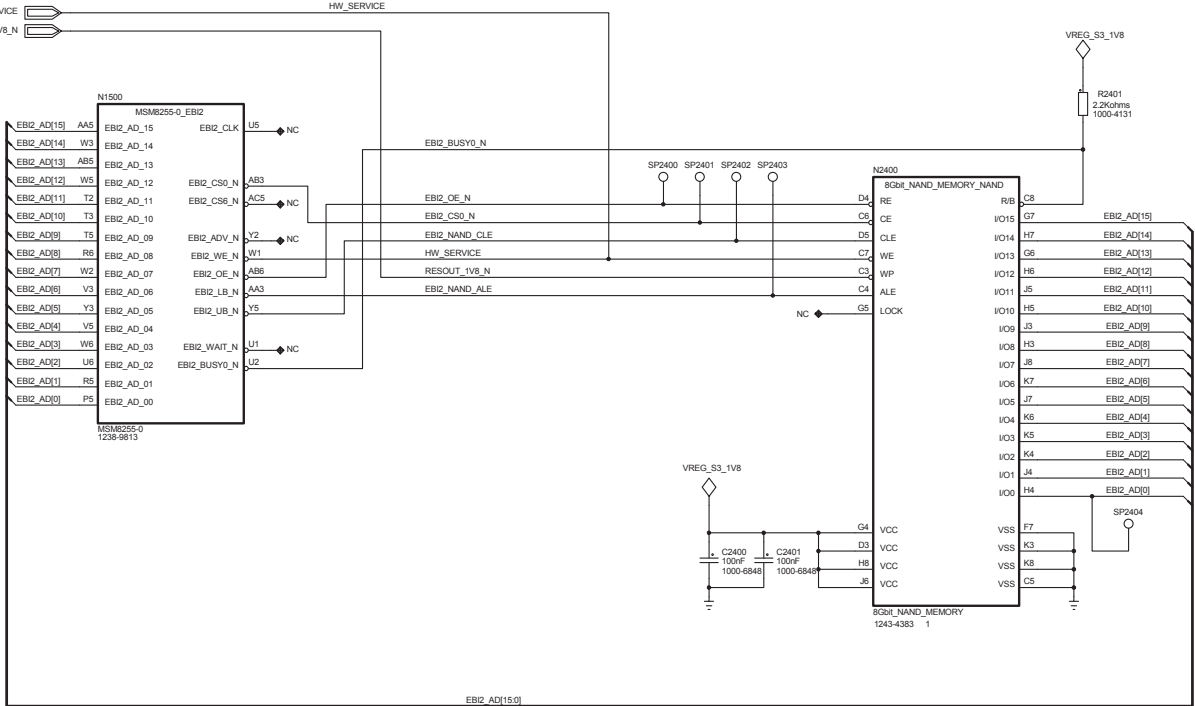
DB Decoupling - 1500



System Core - 2000

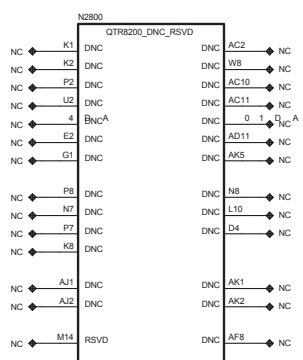
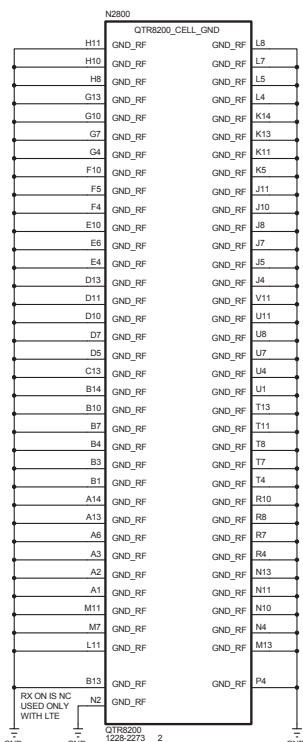
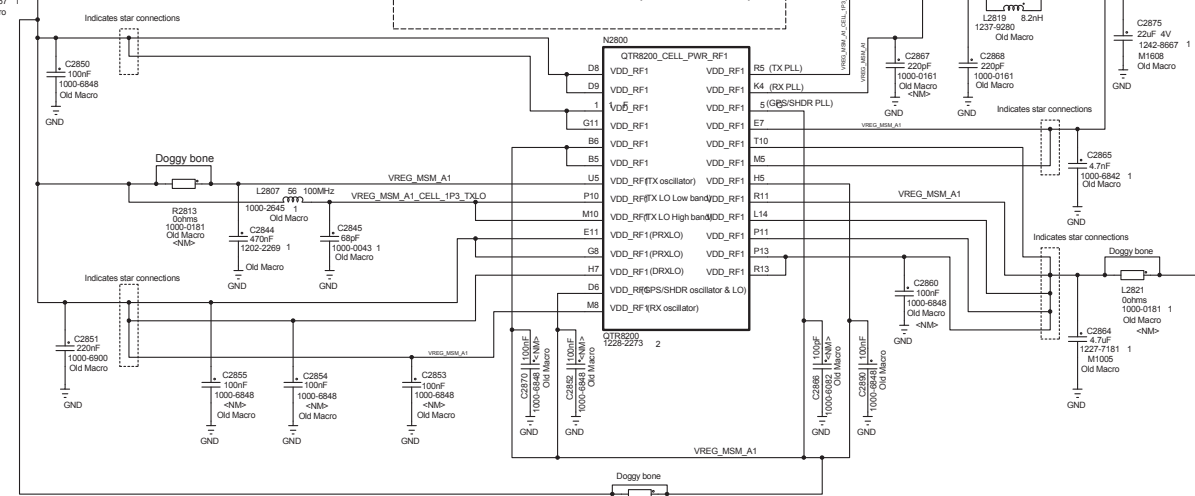
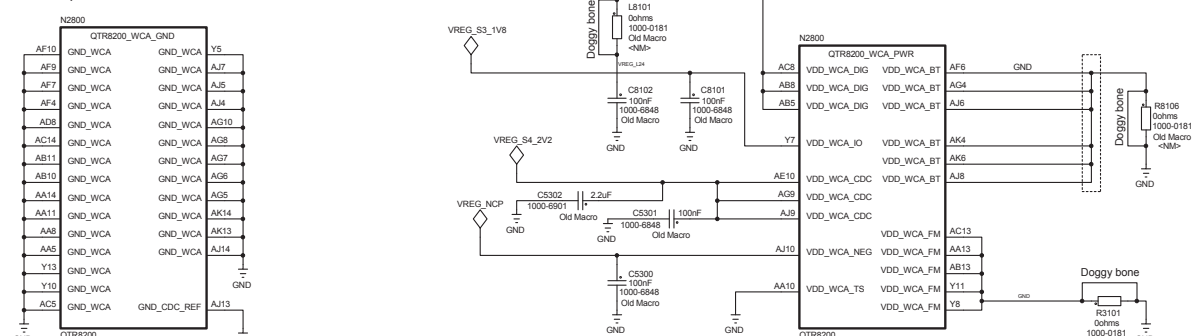
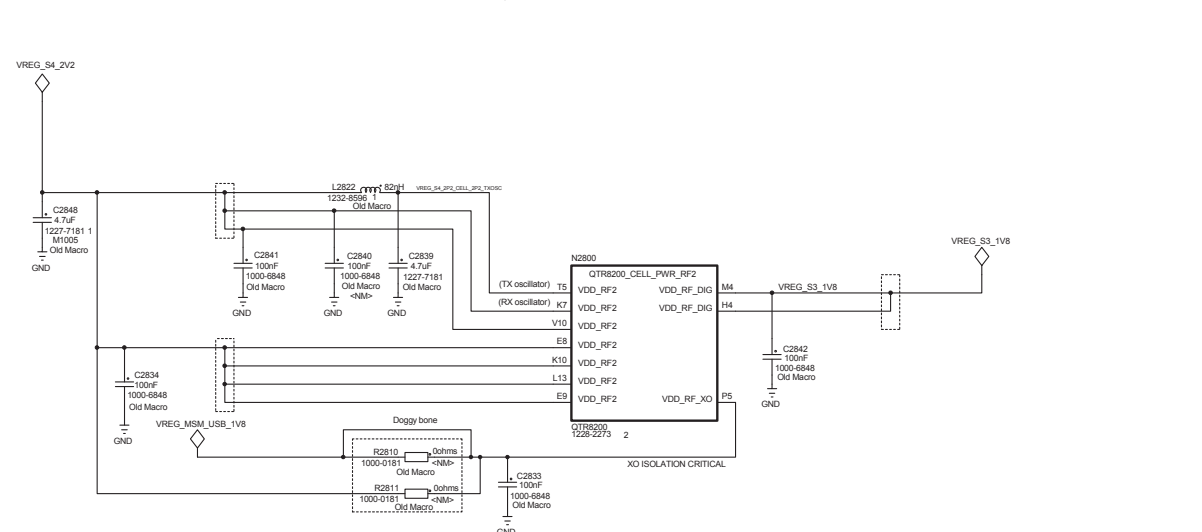
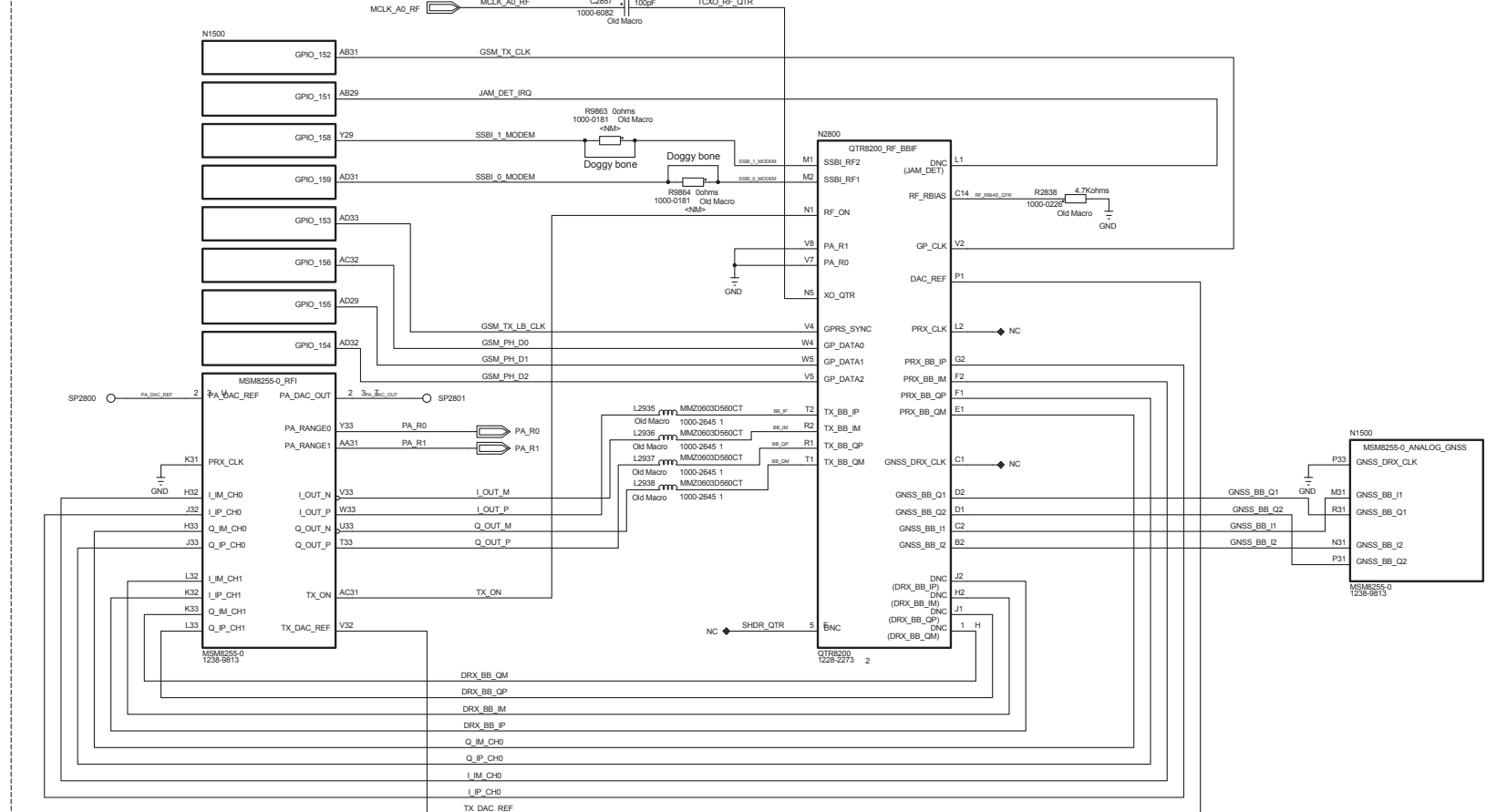


Memory - 2400



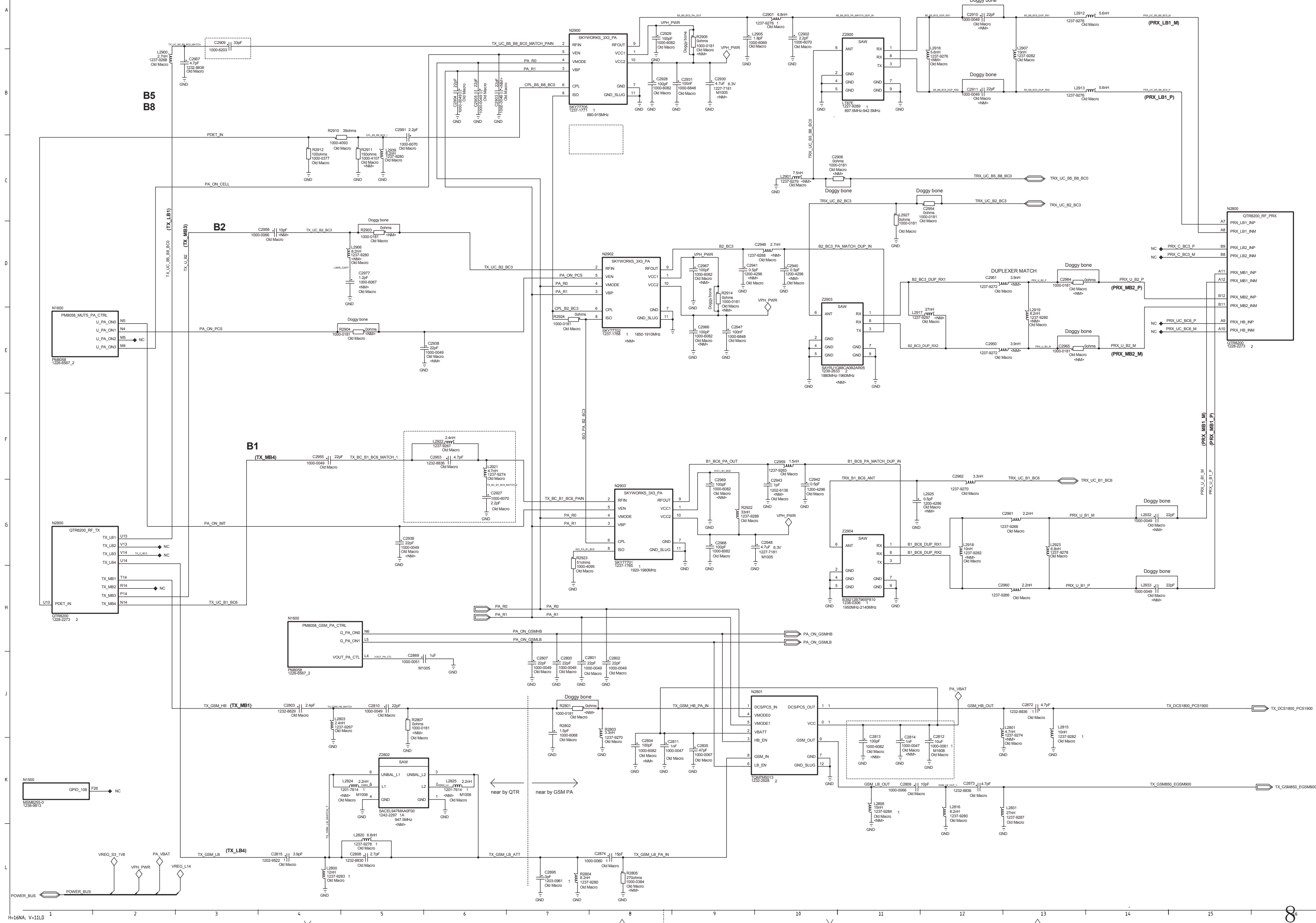
Product Specific





UMTS-radio-2900

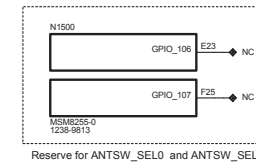
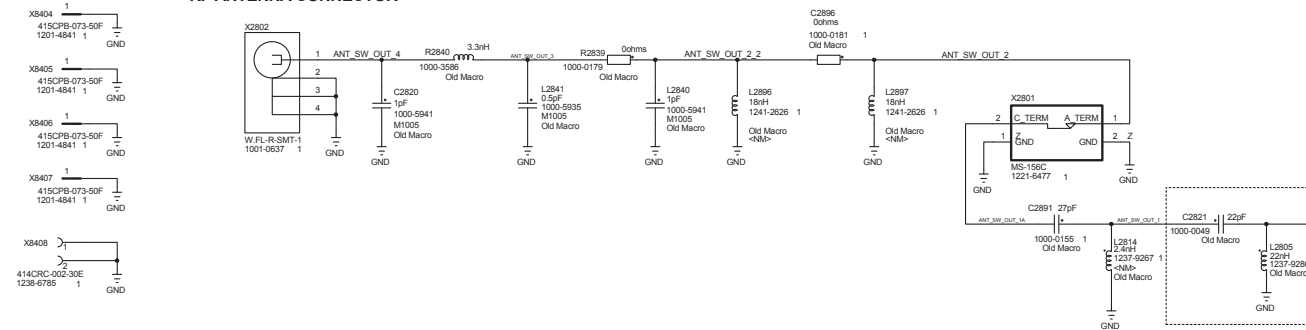
UMTS Band 5/8 Chain



Antenna matching
-2800,9600

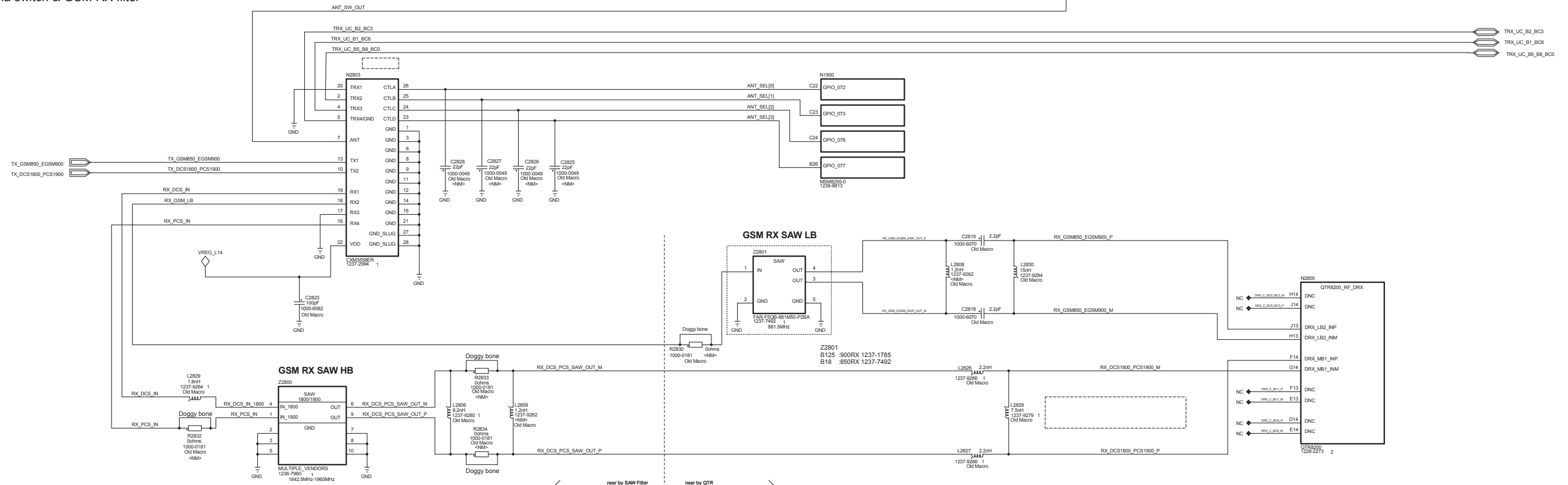
```
*1 CTL State for Mogami
A : ANT_SEL[0]
B : ANT_SEL[1]
C : ANT_SEL[2]
D : ANT_SEL[3]
```

RF ANTENNA CONNECTOR



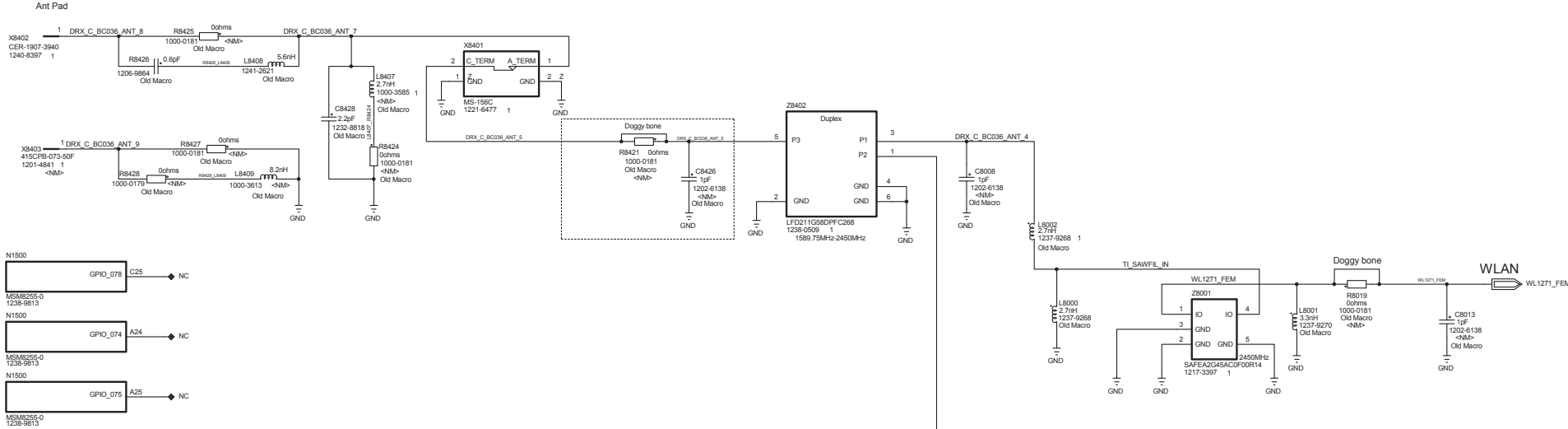
Product Specific

Antenna switch & GSM RX filter
-2800

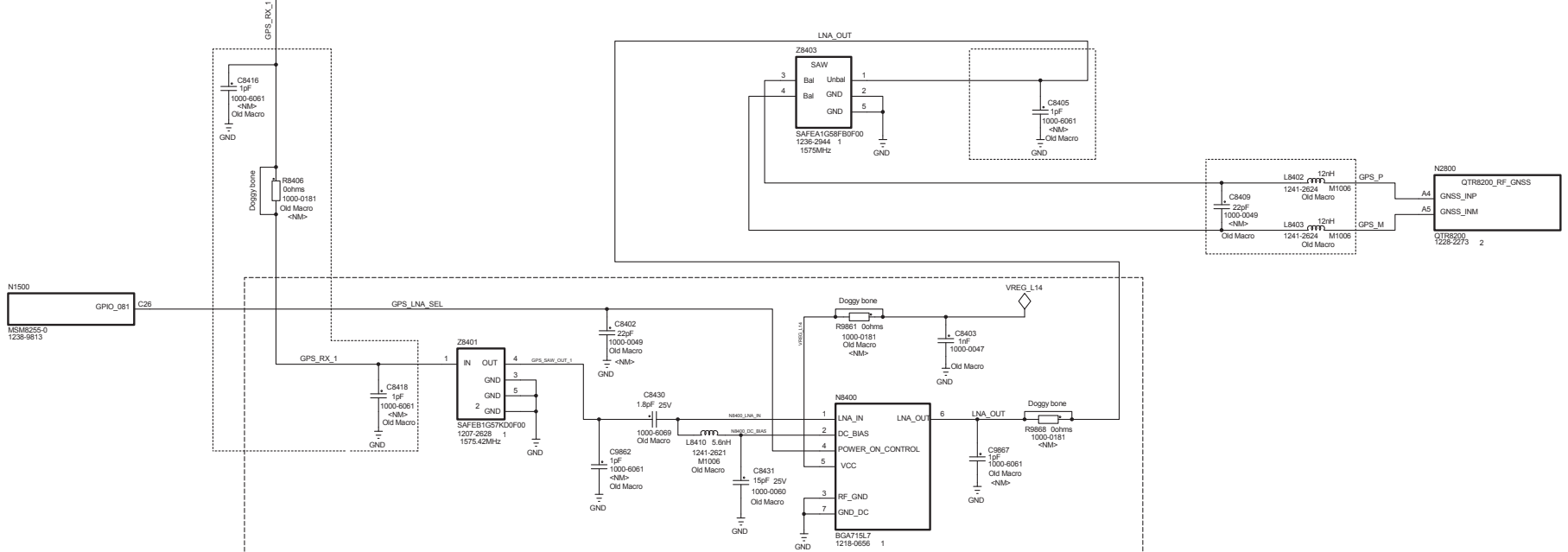


LZF 030 101/F RB1

1 feed Antenna solution for non cellar.

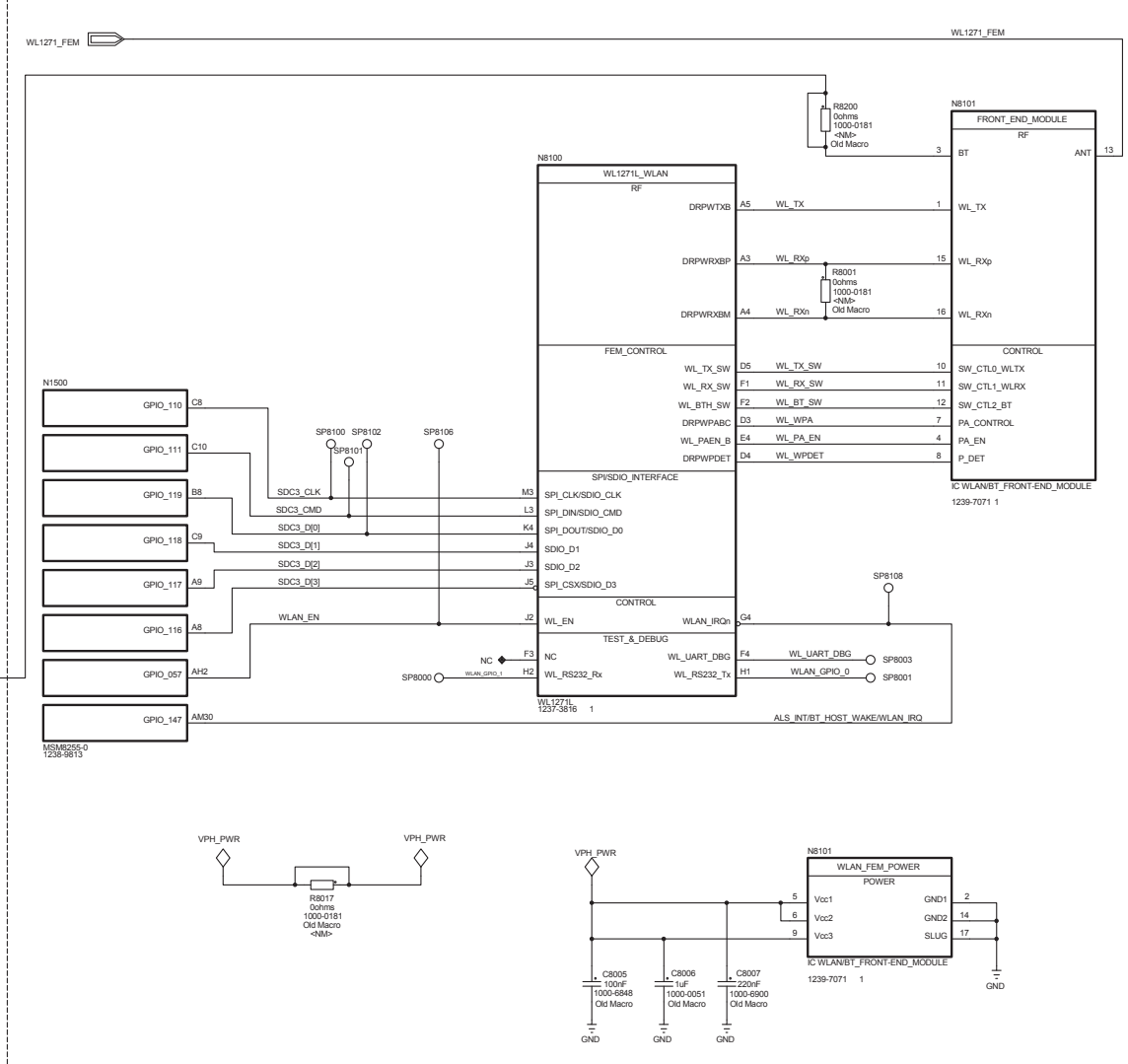
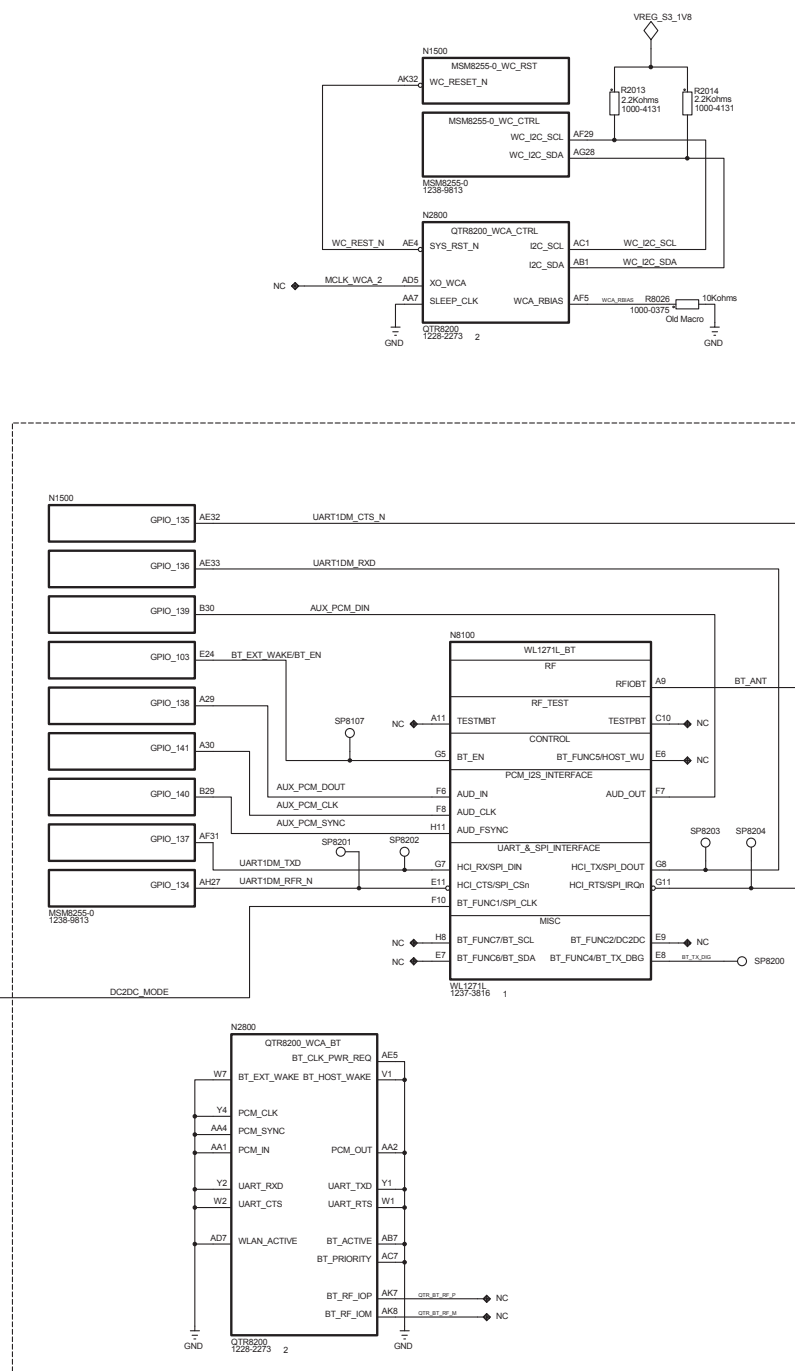
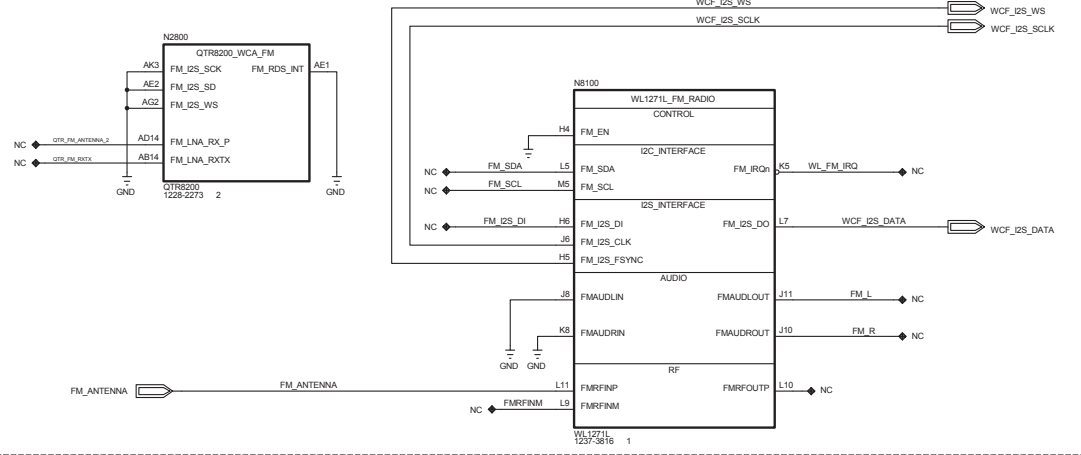


GPS/GNSS_PRIMARY_SYSTEM
-8400

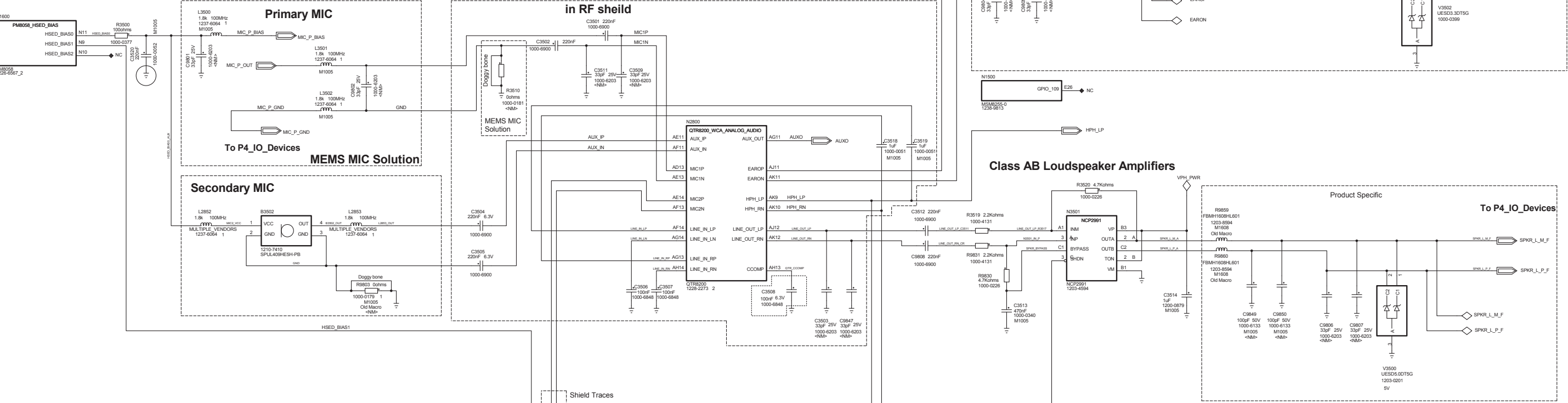


VREG_L1
△

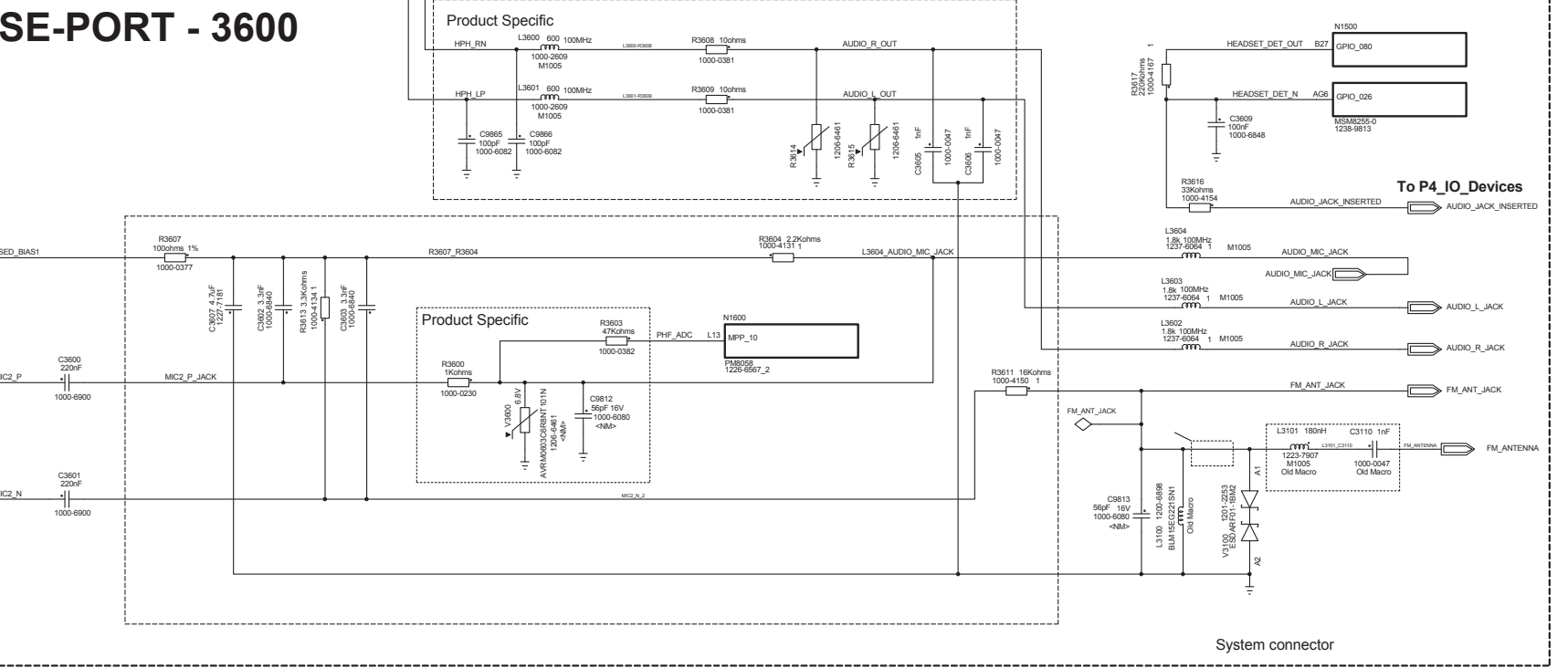
Diagram showing a power bus connected to a component. The power bus is represented by a horizontal line with a label "POWER BUS" at both ends. A component, represented by a hexagonal shape with internal lines, is connected to the bus.



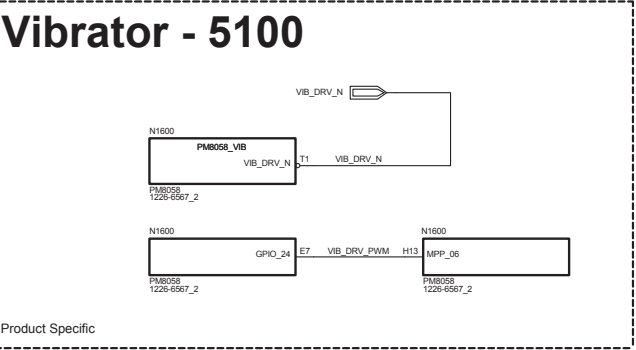
Analog Audio - 3500



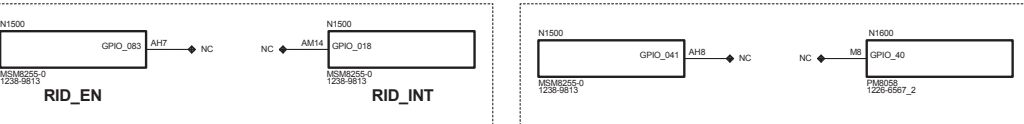
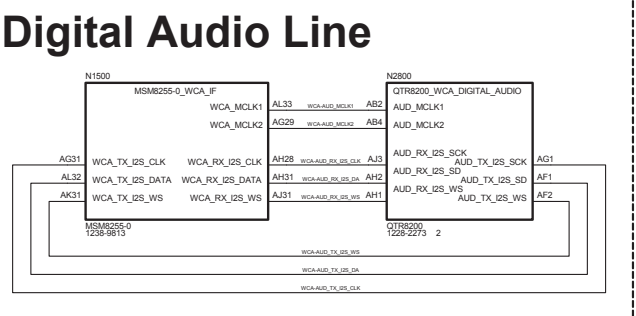
SE-PORT - 3600



Vibrator - 5100

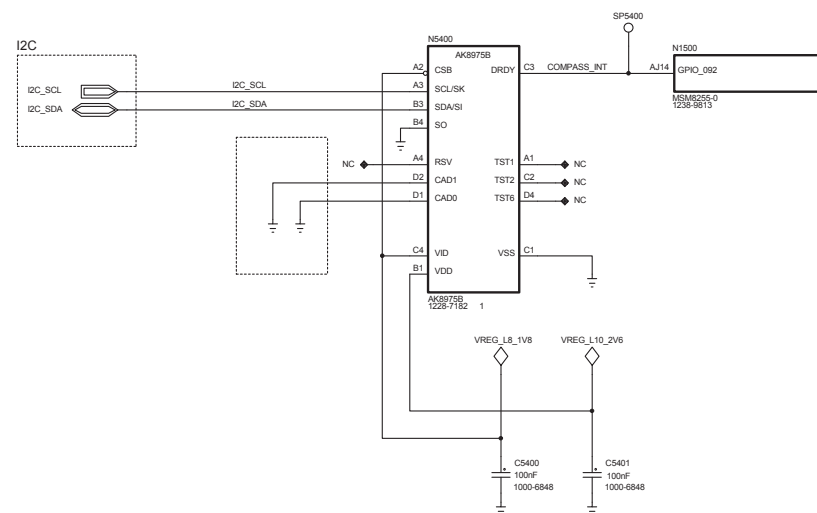


Digital Audio Line

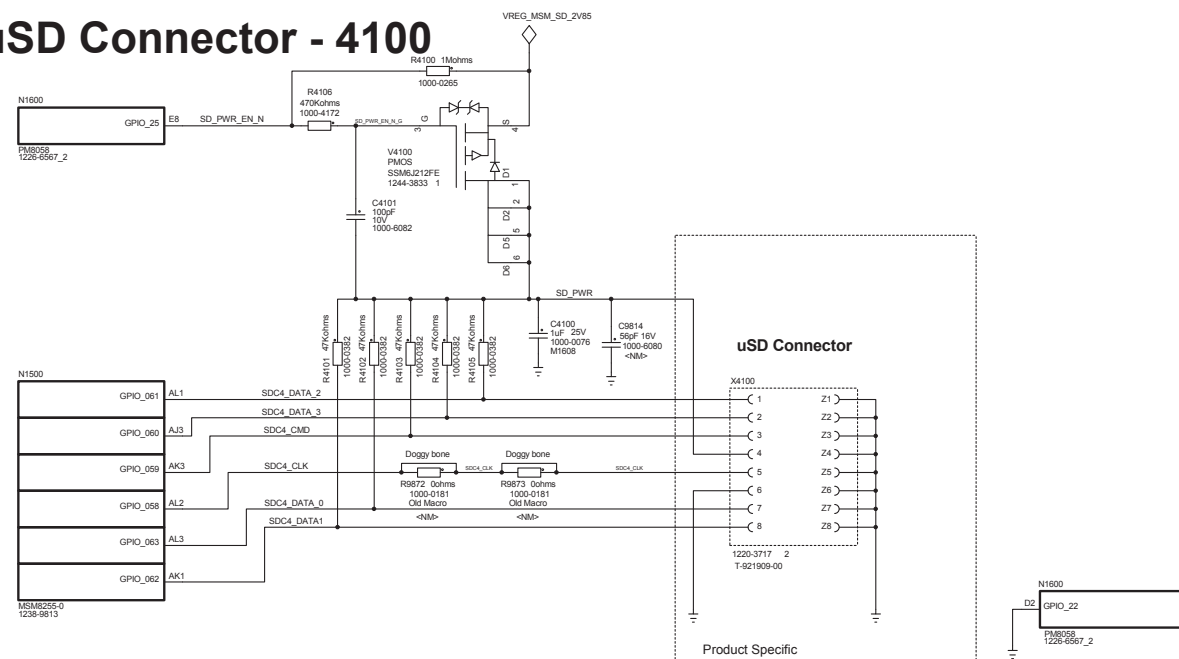


E-Compass - 5400

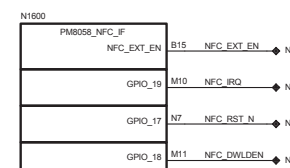
3-Axis Compass



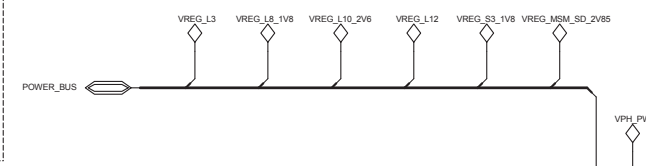
uSD Connector - 4100



NFC Board - 8600

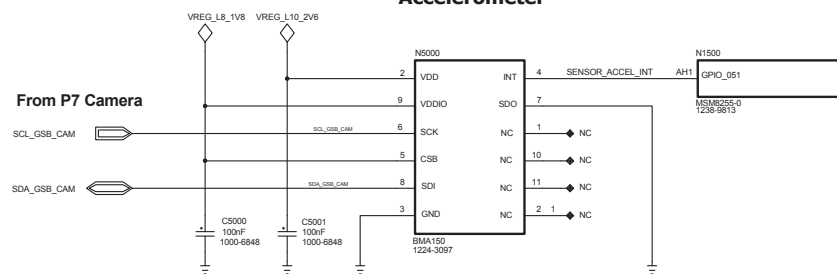


Product Specific

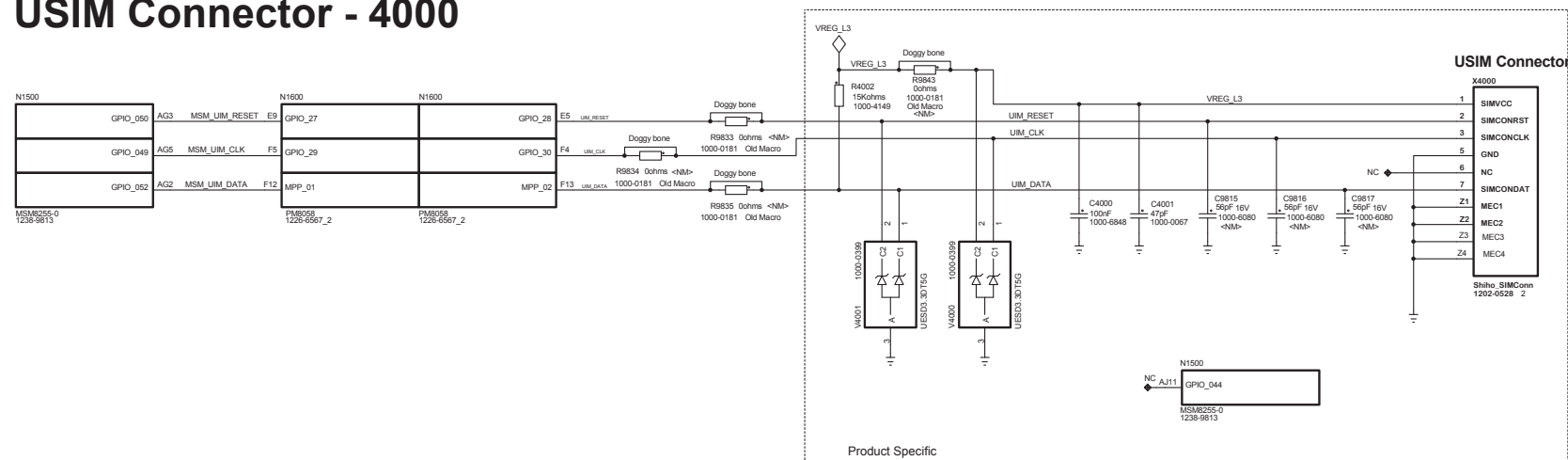


Accelerometer - 5000

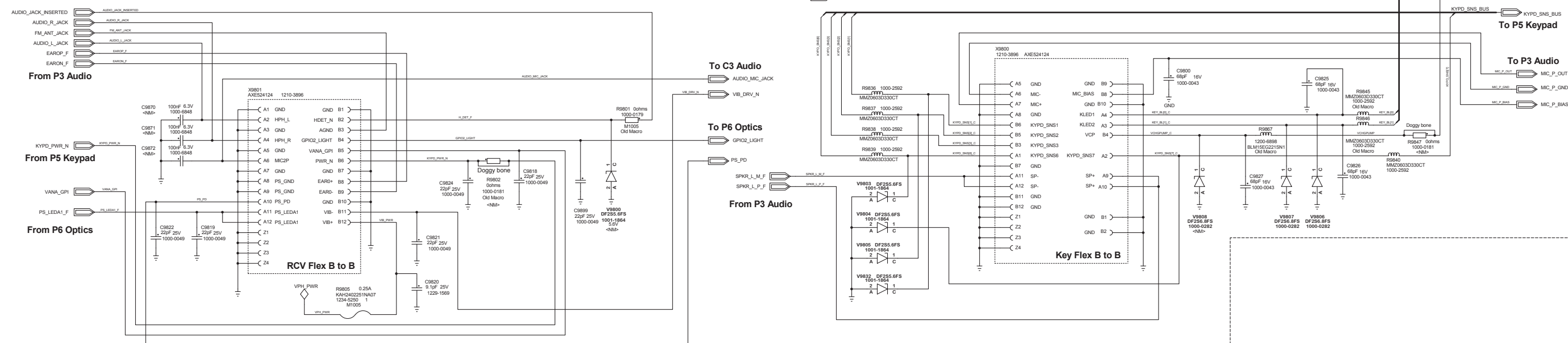
Accelerometer



USIM Connector - 4000

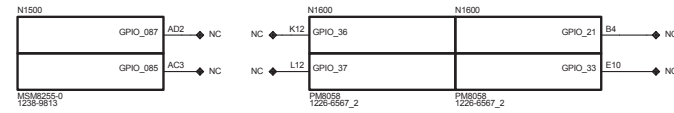
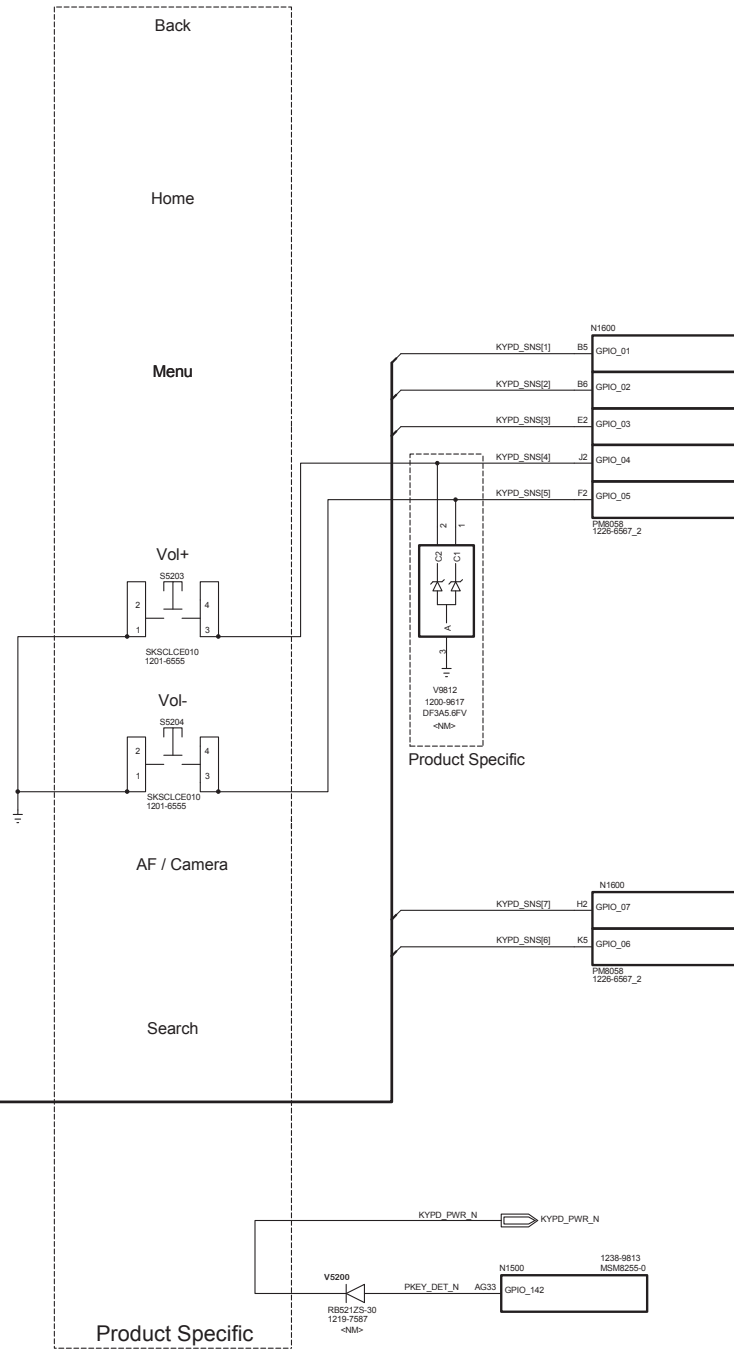
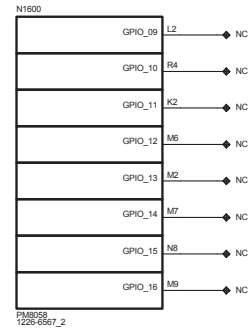


Flex Connector - 9800



Keyboard - 5200

Detach Key I/F



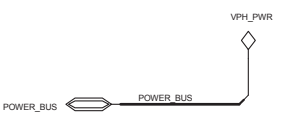
Product Specific

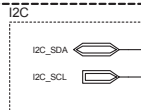
From P4_IO_Devices

KYPD_SNS_BUS

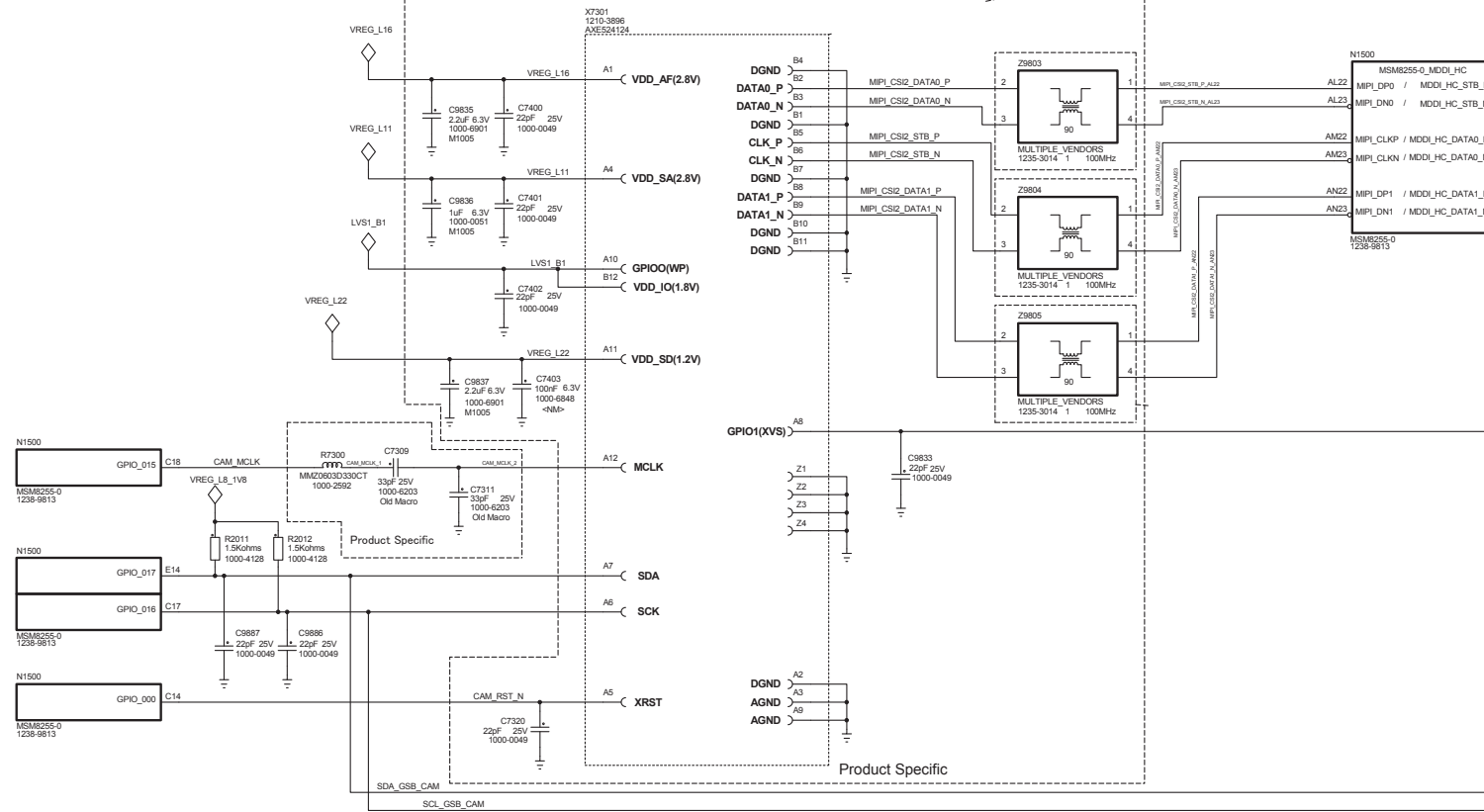
KYPD_PWR_N

KYPD_PWR_N

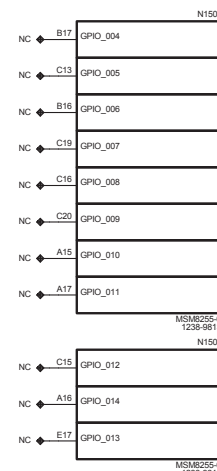
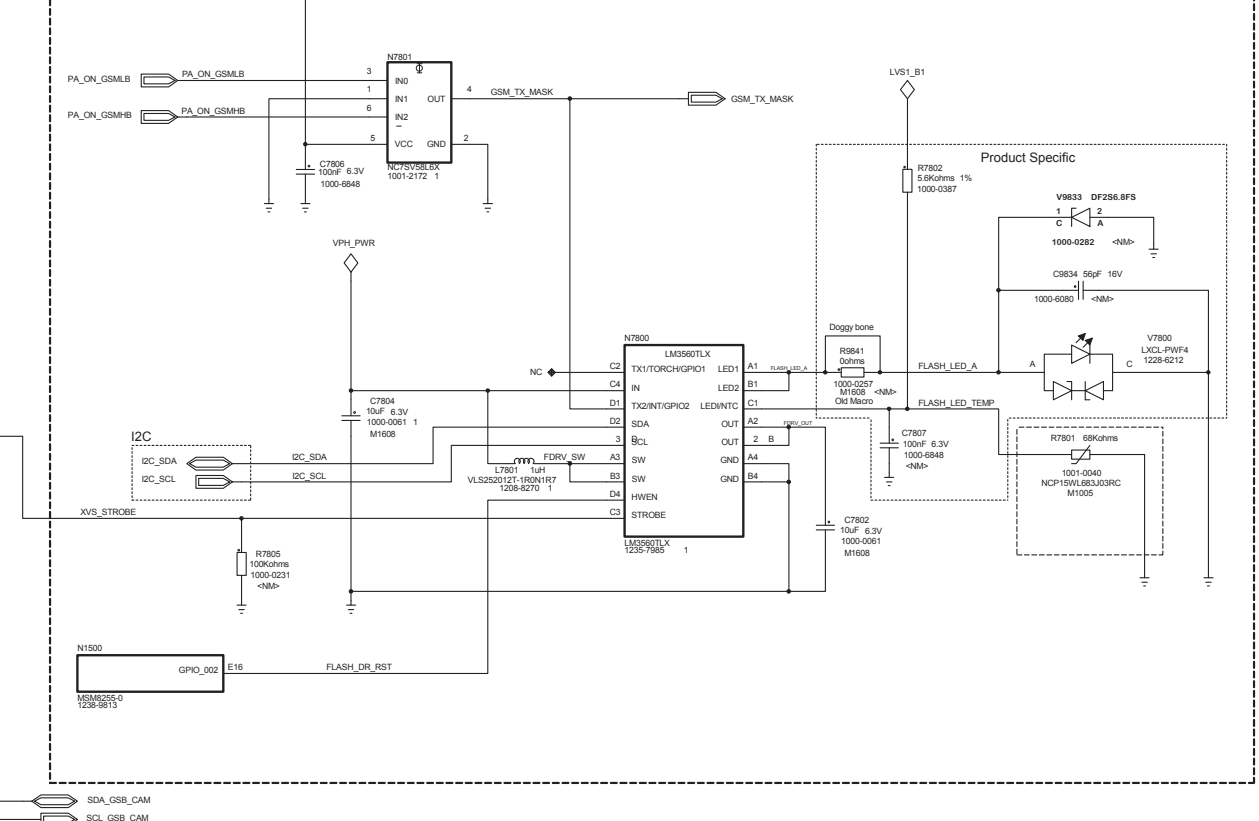




Main Camera - 7300

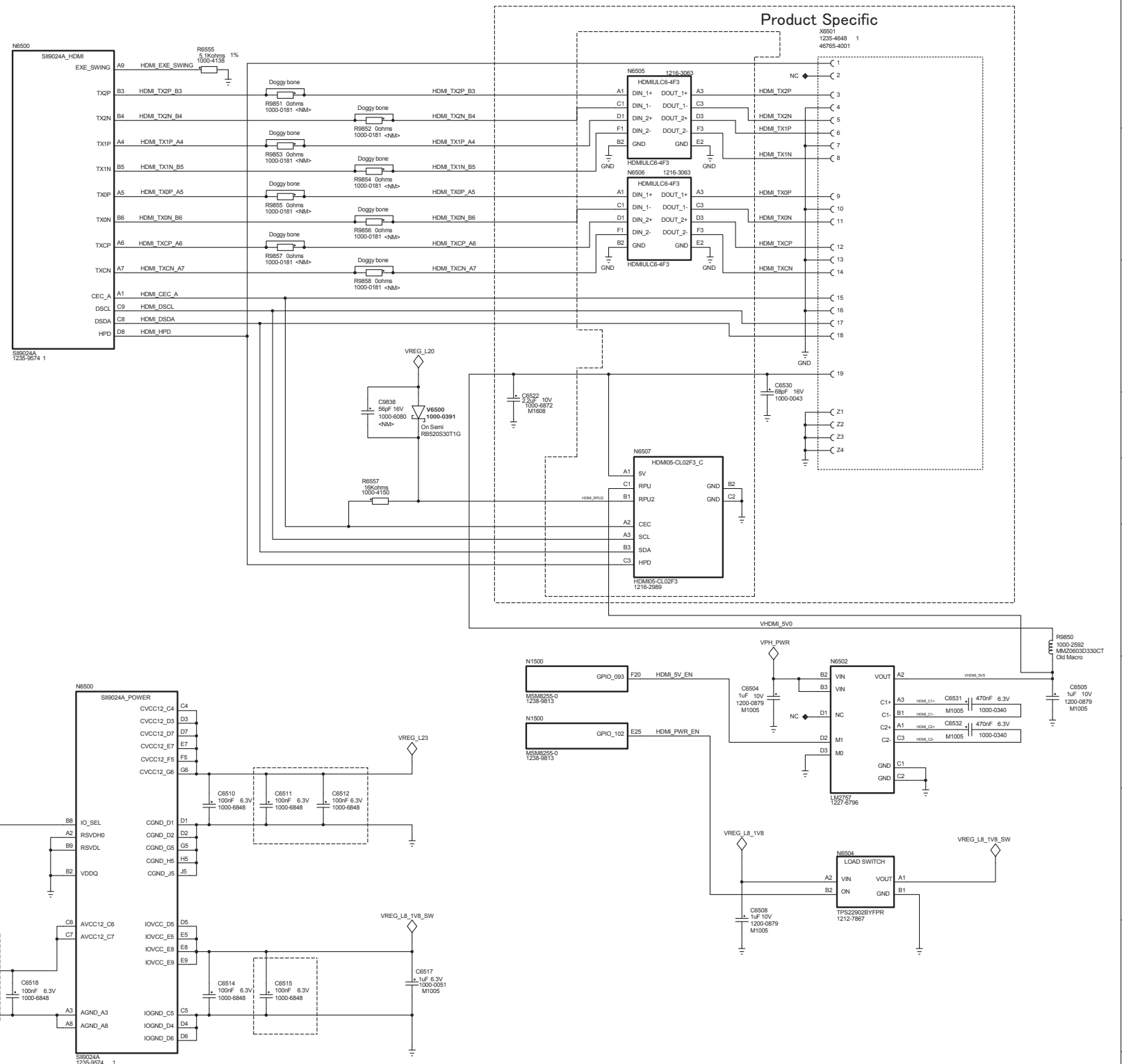
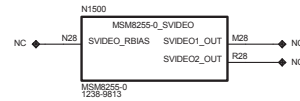
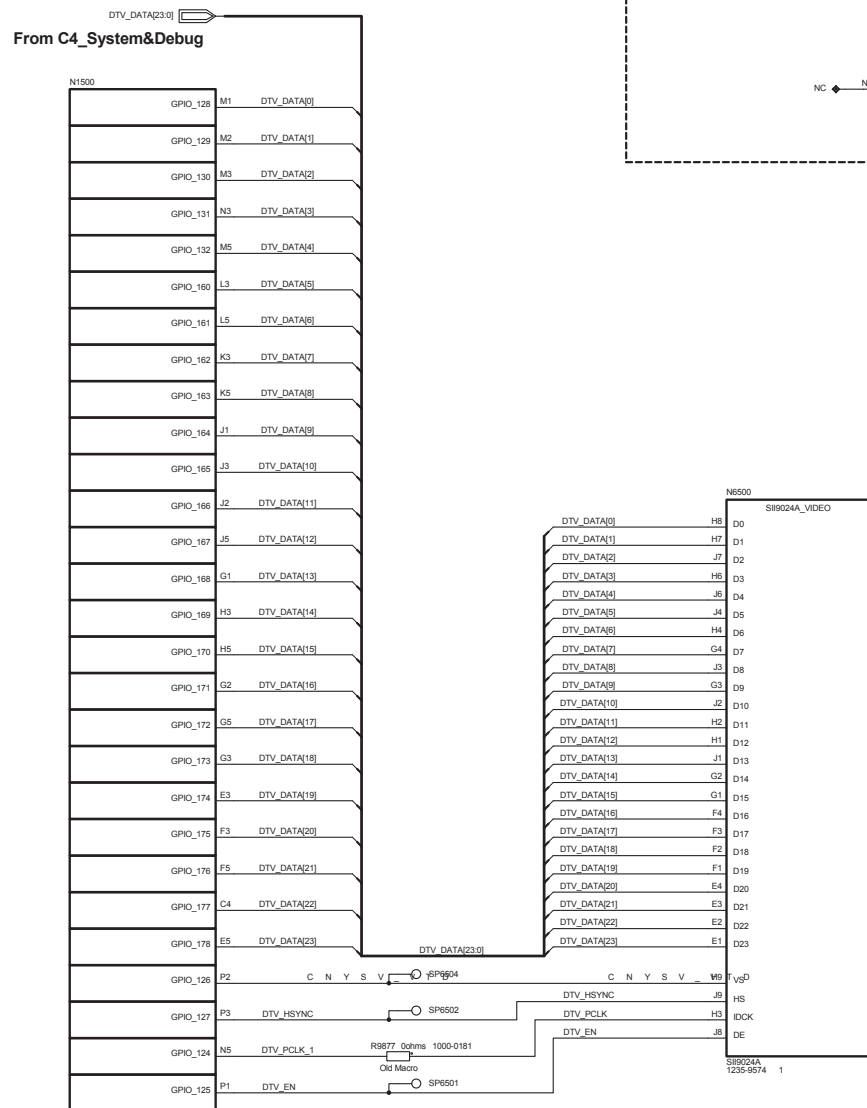


Flash LED Driver - 7800



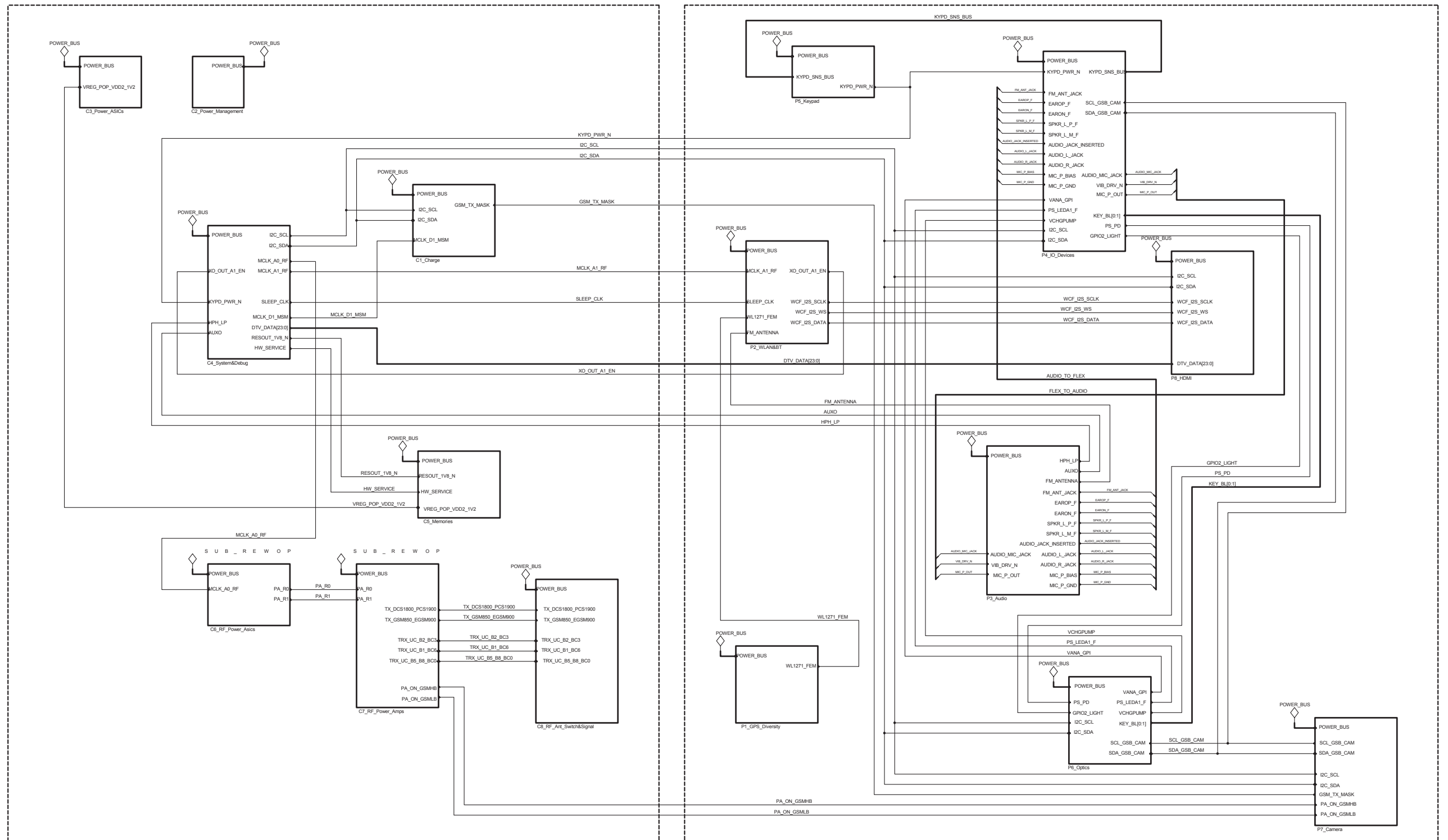
HDMI - 6500

Analog TV_Out - 6400

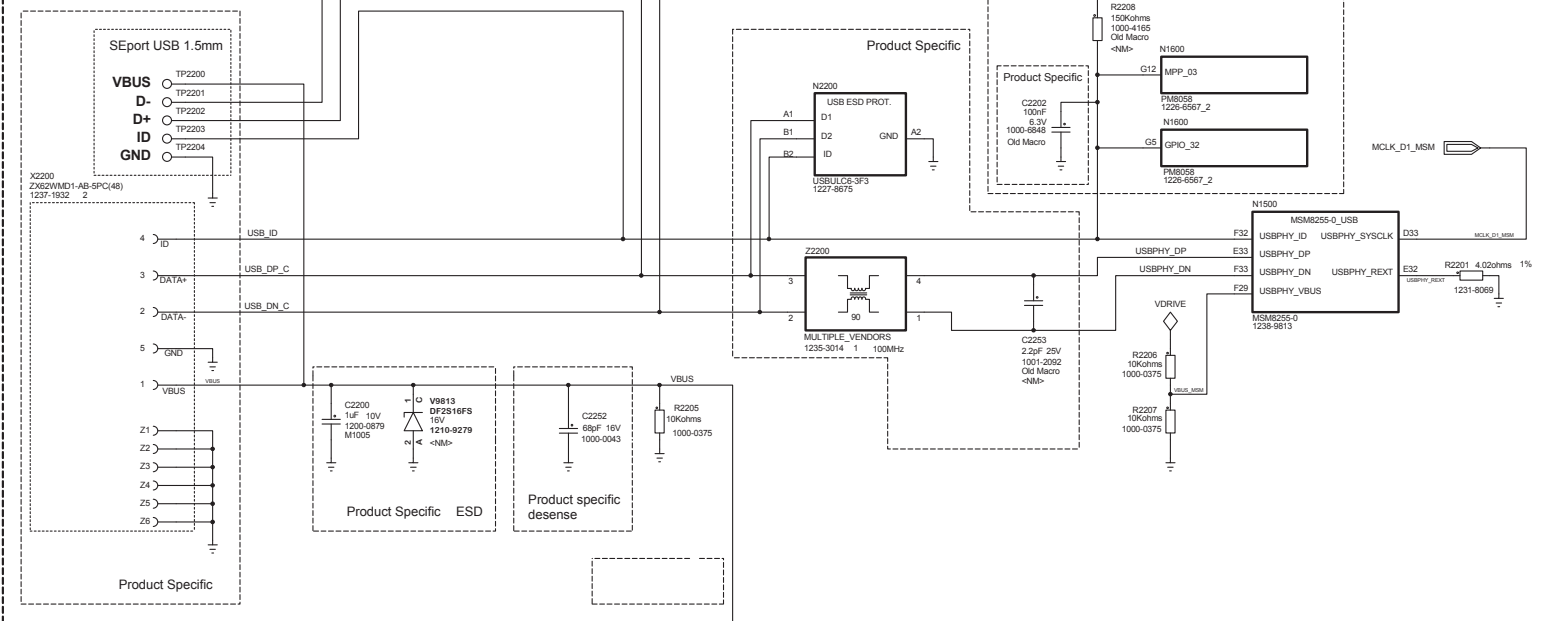


Core

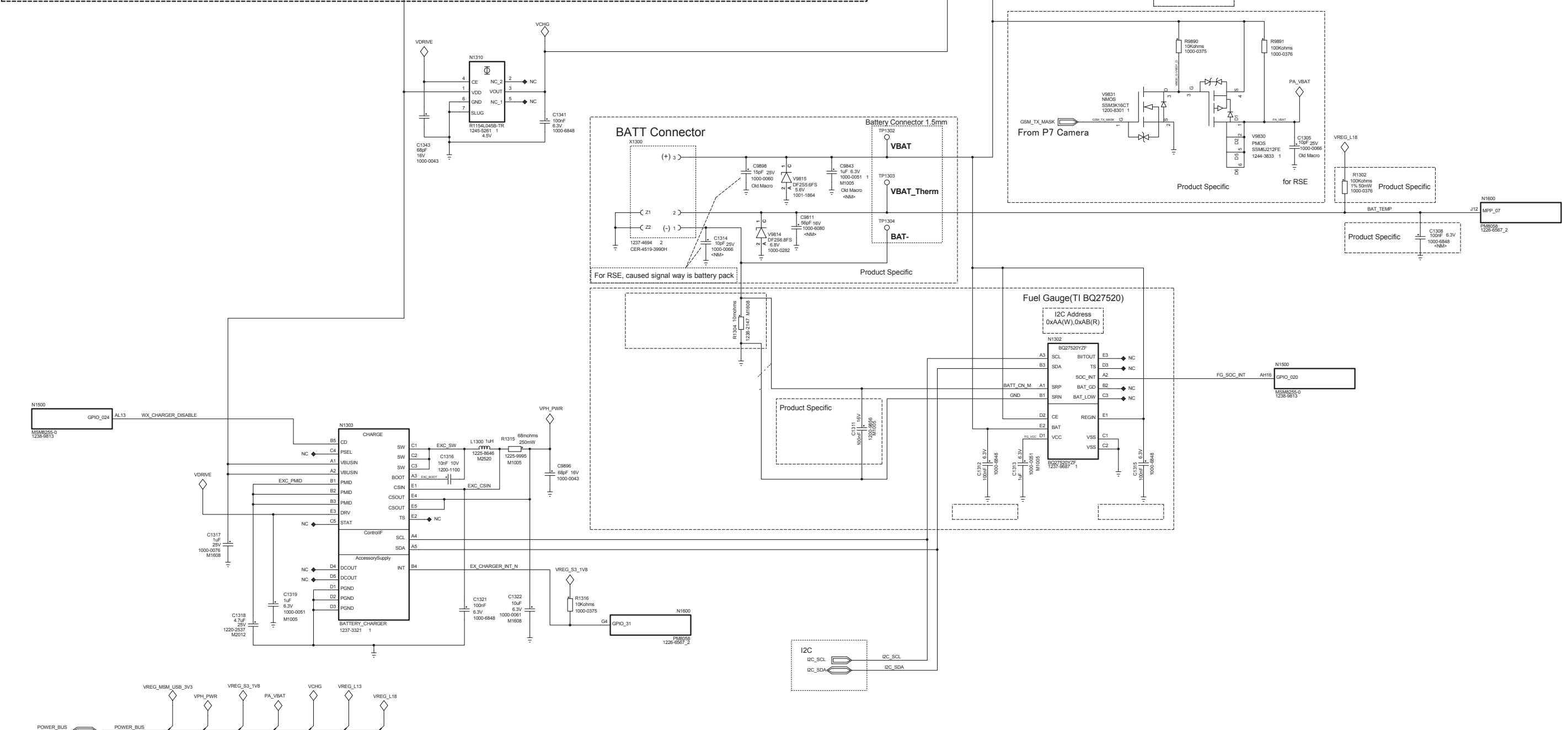
Peripheral



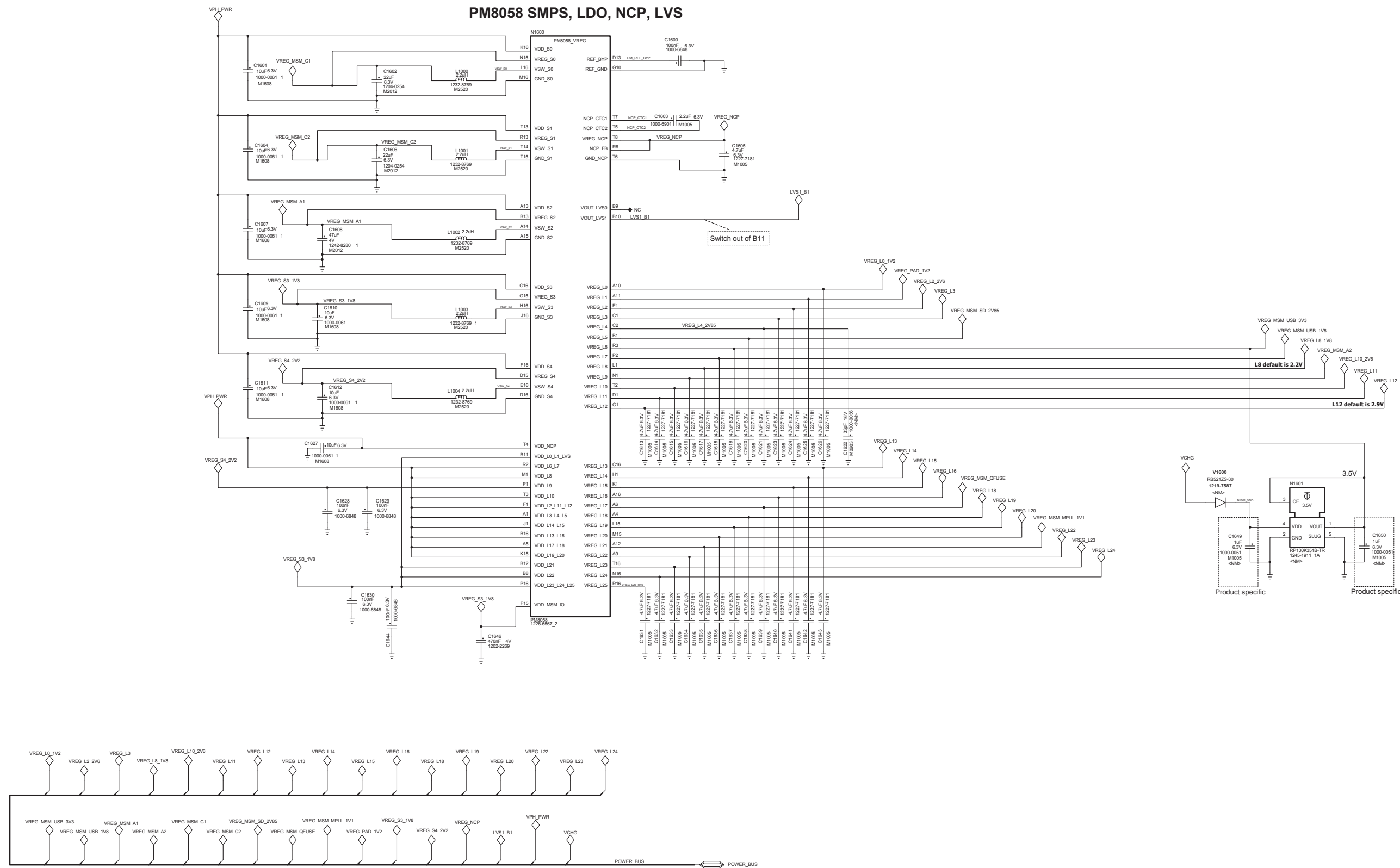
USB - 2200

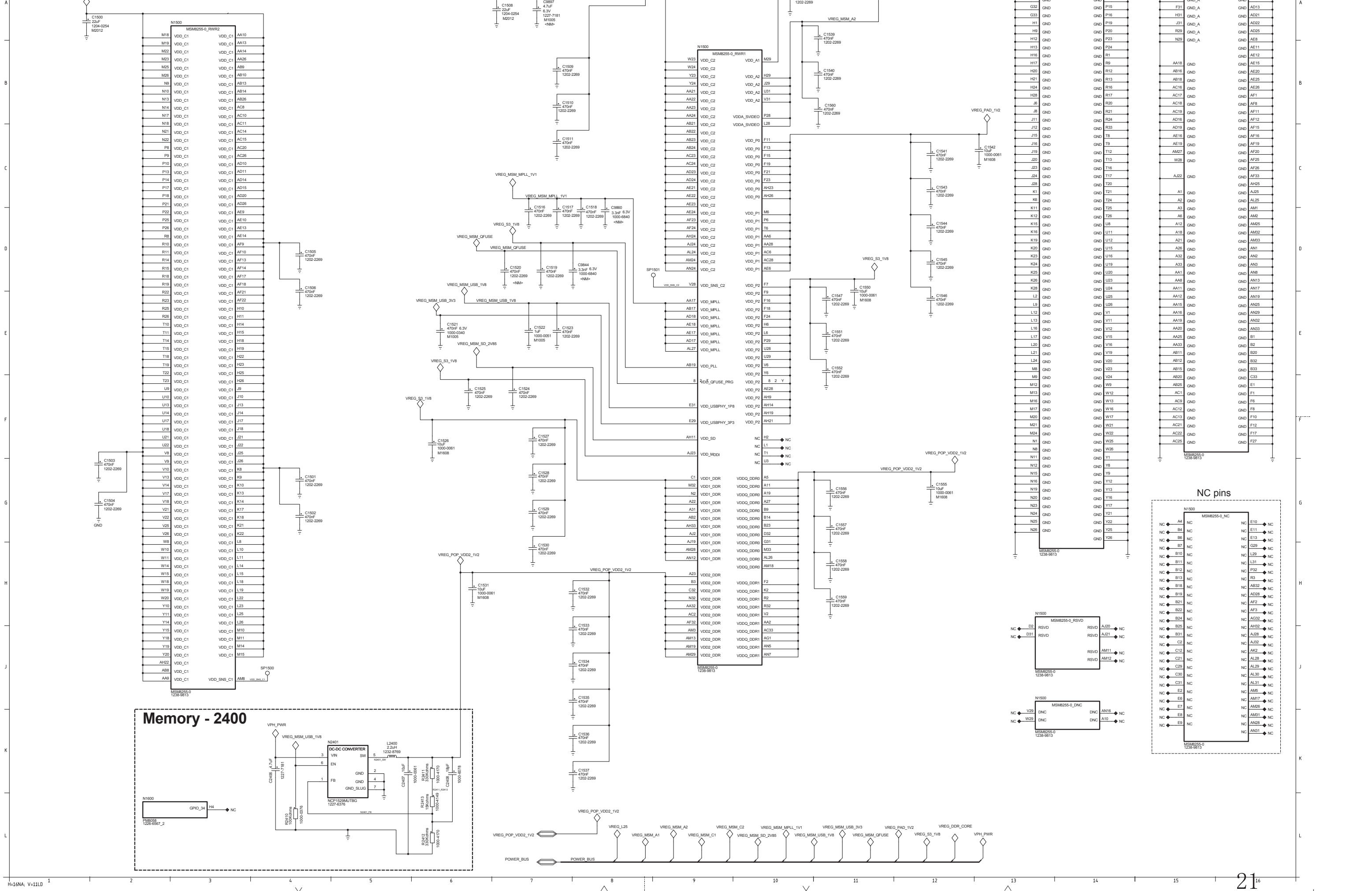


Charging and Battery Management - 1300

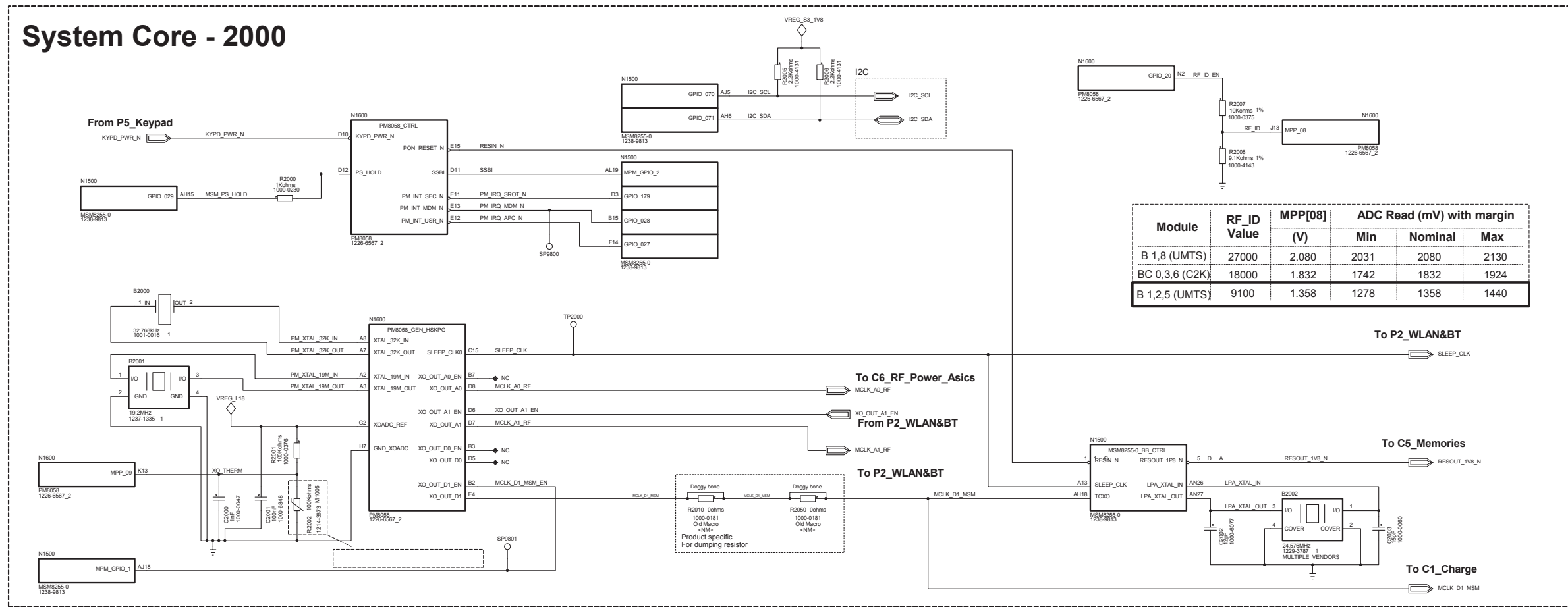


Power Management - 1000

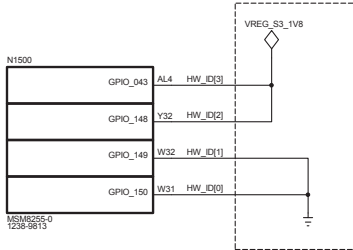
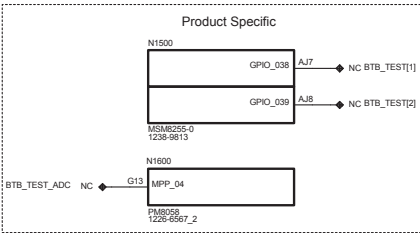




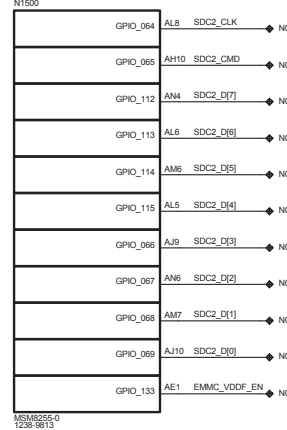
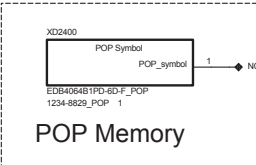
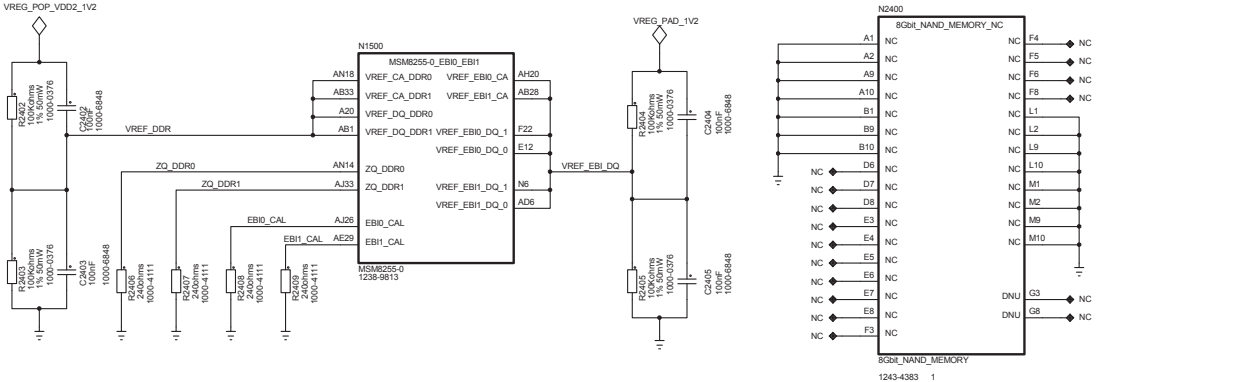
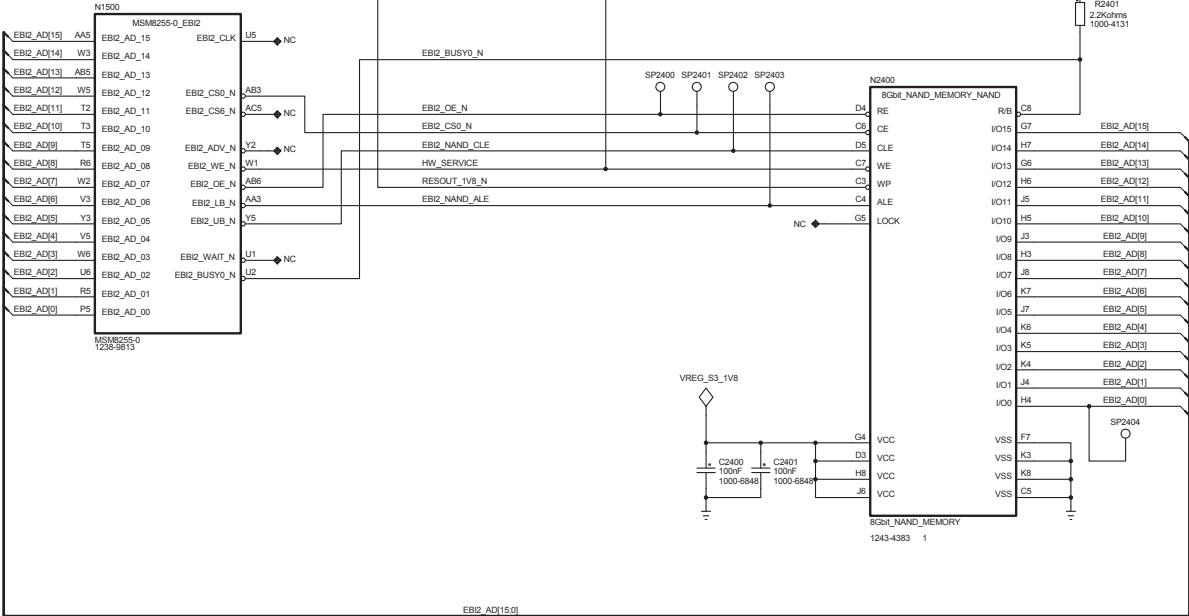
System Core - 2000



Module	RF_ID Value	MPP[08] (V)	ADC Read (mV) with margin		
			Min	Nominal	Max
B 1.8 (UMTS)	27000	2.080	2031	2080	2130
BC 0.3,6 (C2K)	18000	1.832	1742	1832	1924
B 1,2,5 (UMTS)	9100	1.358	1278	1358	1440

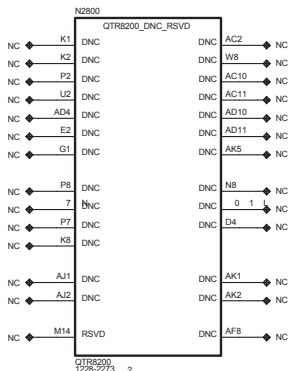
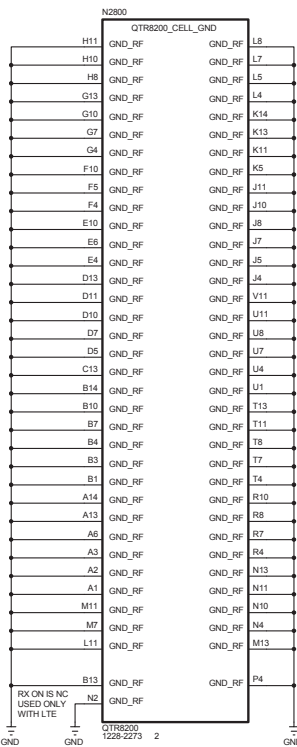
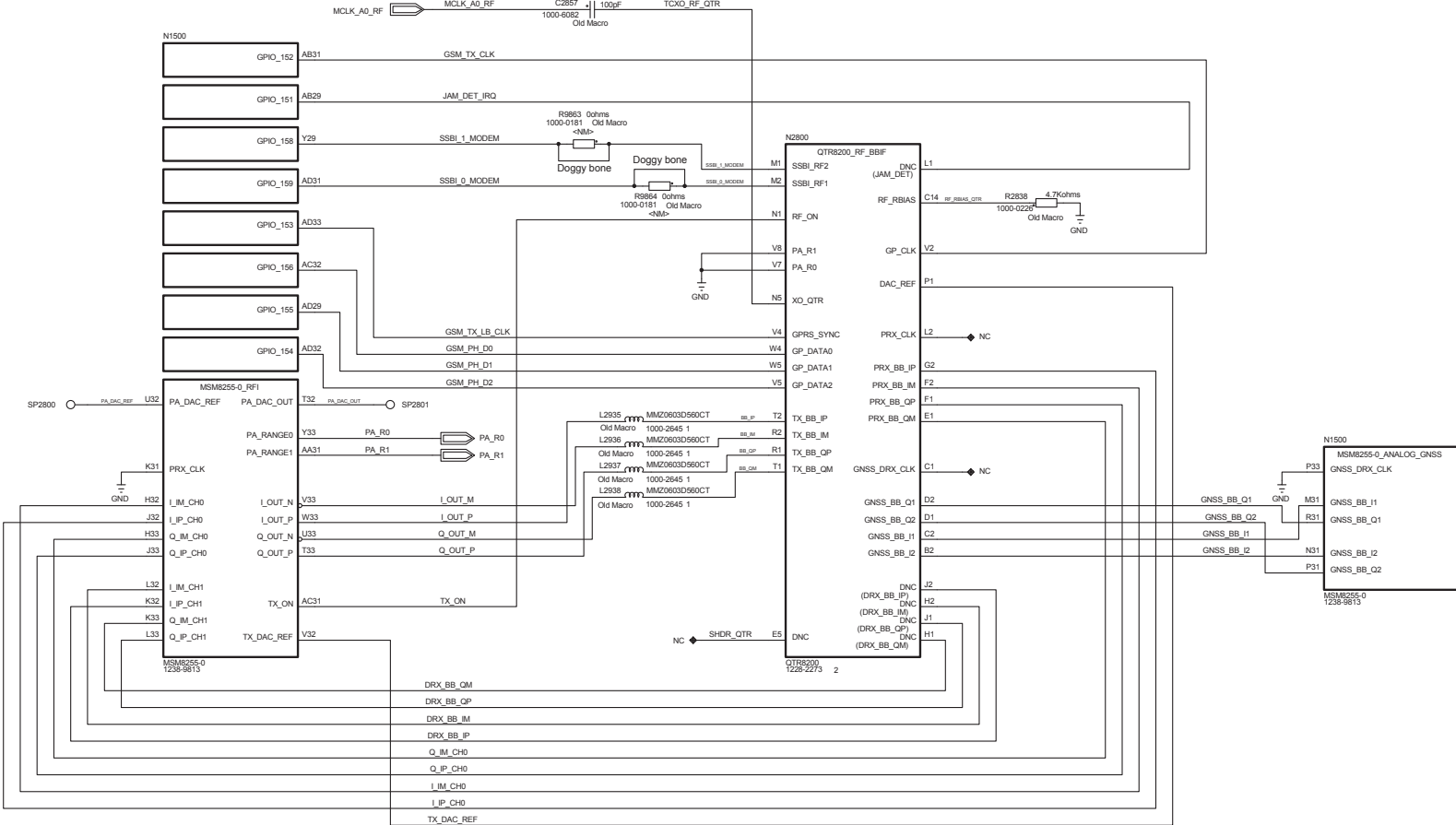
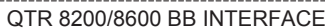


Memory - 2400

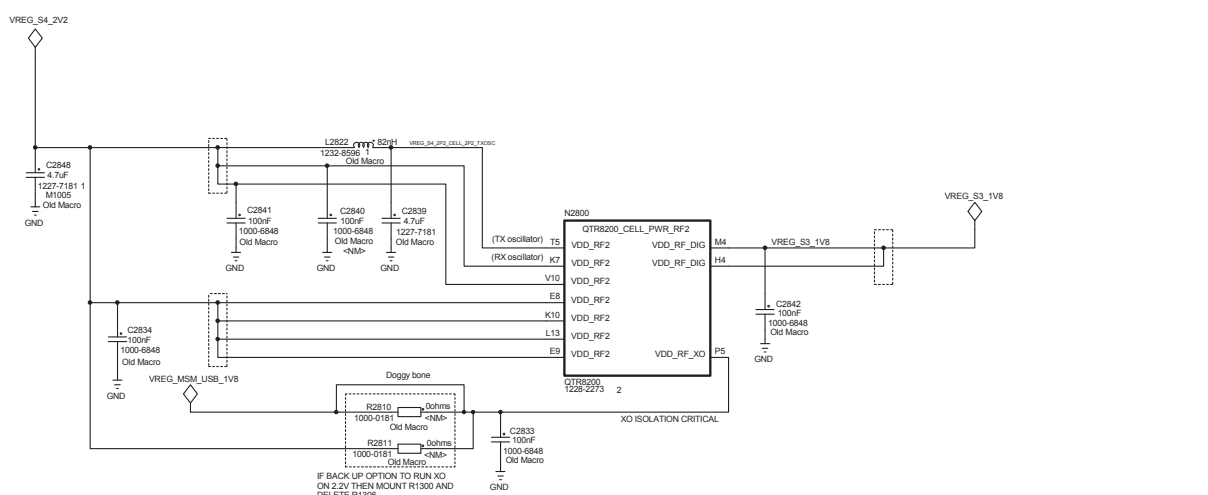


Product Specific

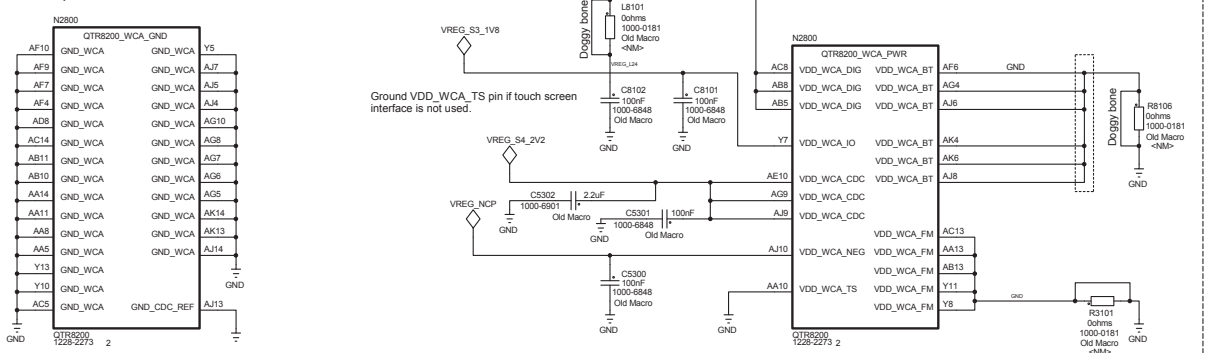




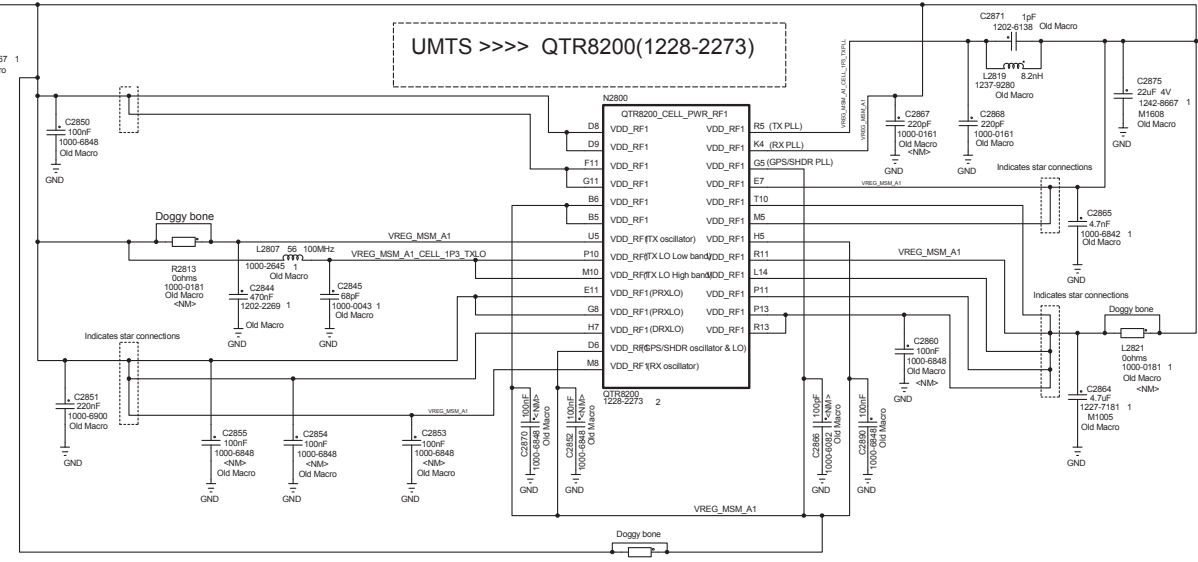
QTR 8200 CELL POWER



QTR 8200 WCA POWER
-8500,5300



UMTS >>>> QTR8200(1228-2273)



UMTS-radio-2900

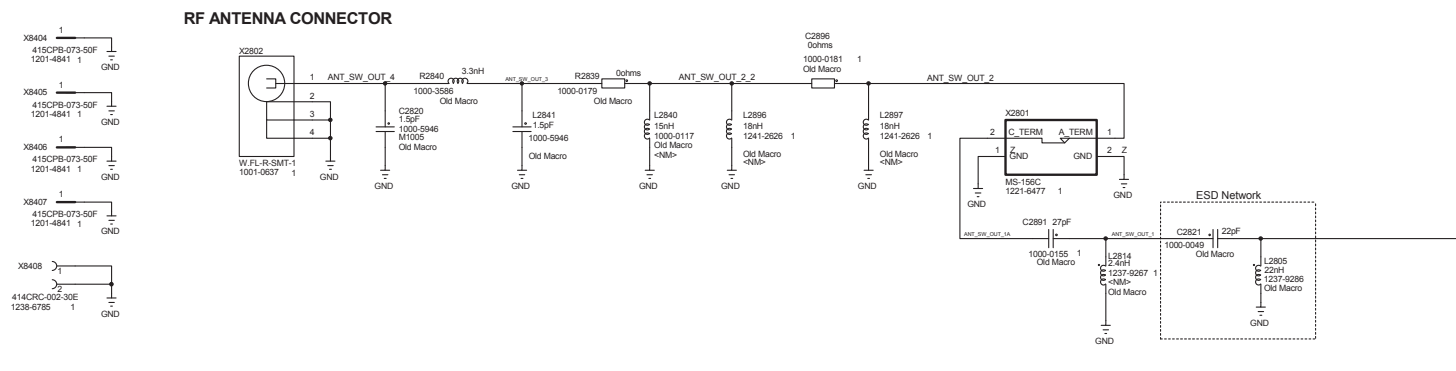
UMTS Band 5/8 Chain

UMTS Band 2 Chain

UMTS Band 1 Chain

GSM TX Chain

Antenna matching
-2800,9600

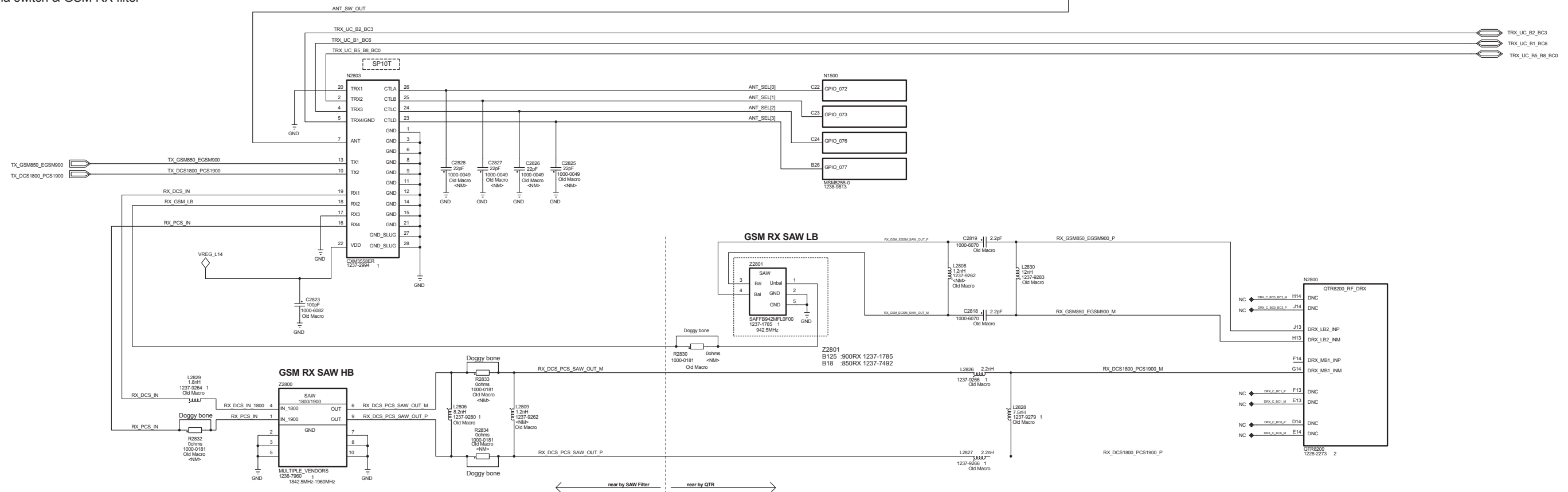


```
A: ANT_SEL[0]
B: ANT_SEL[1]
C: ANT_SEL[2]
D: ANT_SEL[3]
```

Reserve for ANT_{SW} SEL0 and ANT_{SW} SEL1

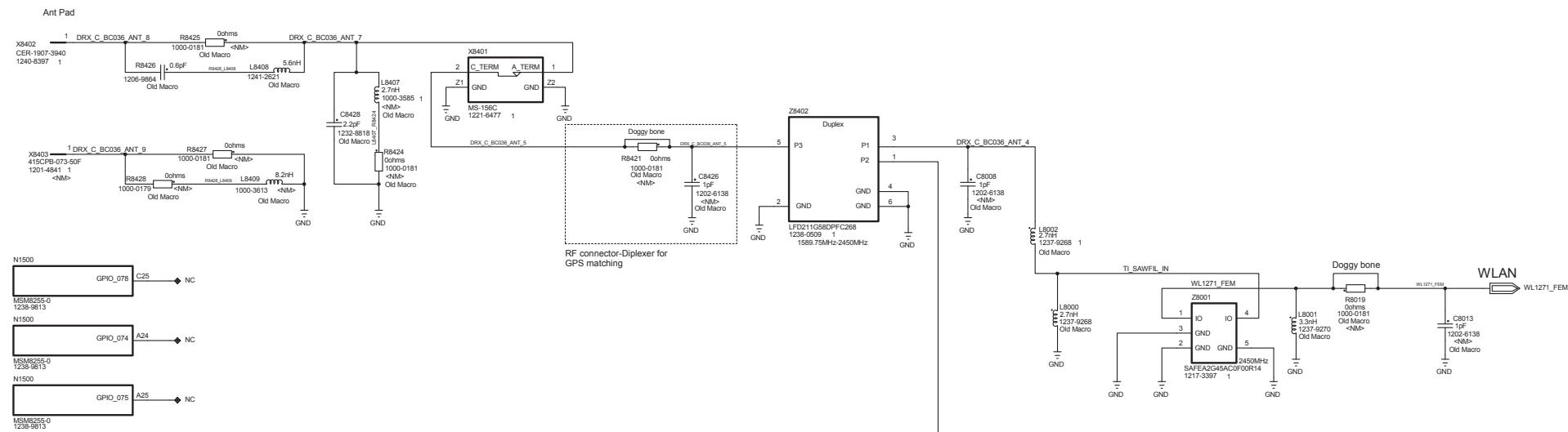
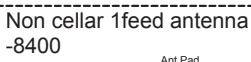
Product Specific

Antenna switch & GSM RX filter
-2800

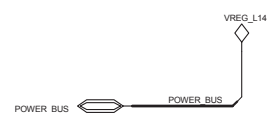
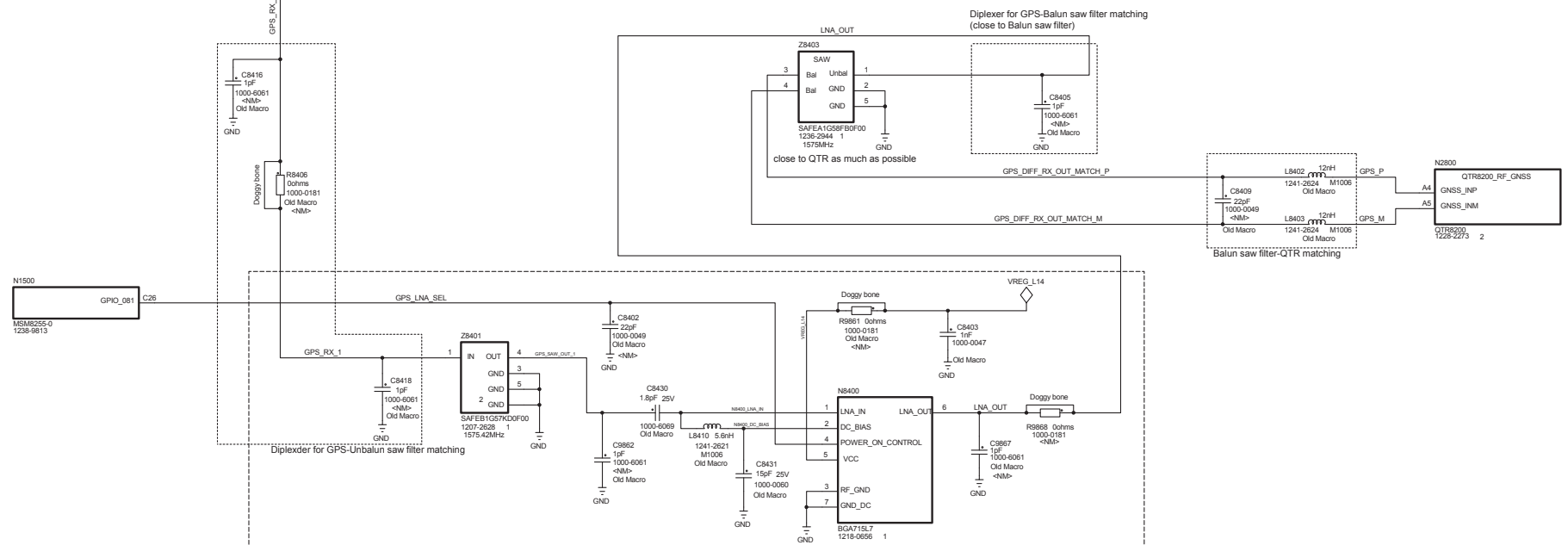


LZF 030 101/F RB1

1 feed Antenna solution for non cellar.



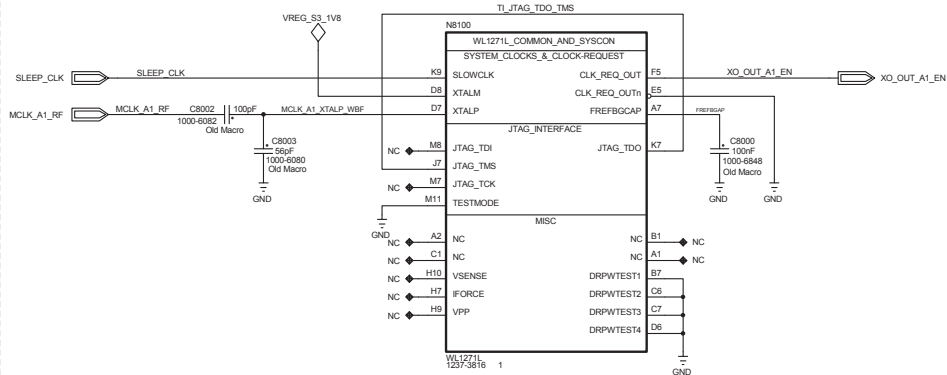
GPS/GNSS_PRIMARY_SYSTEM
-8400



WL1271L WLAN/BT SIGNALS&POWER

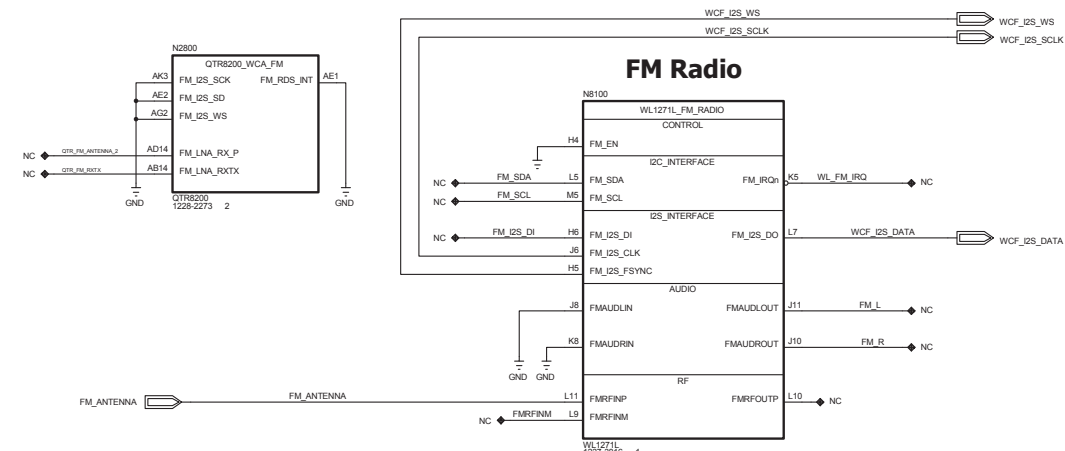
WL1271 SYSCON & Debug -8000

SYSCON & Debug



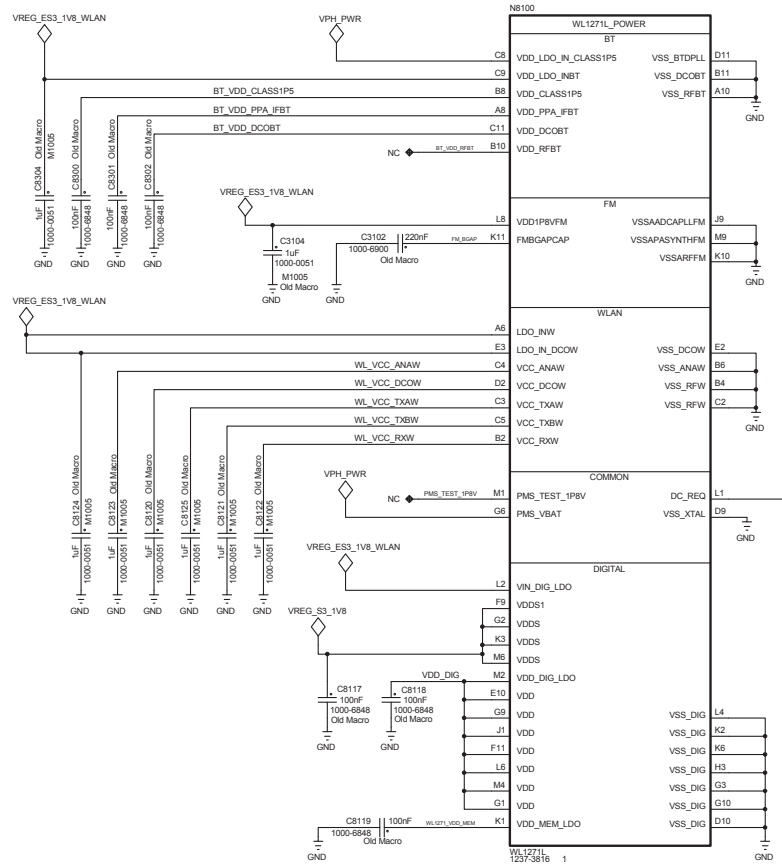
FM Radio -3100

FM Radio

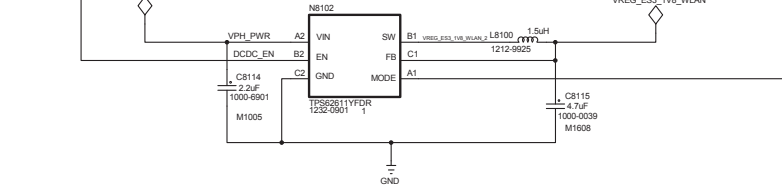


WLAN/BT/FM Power -8100/8300/3100

Power Block

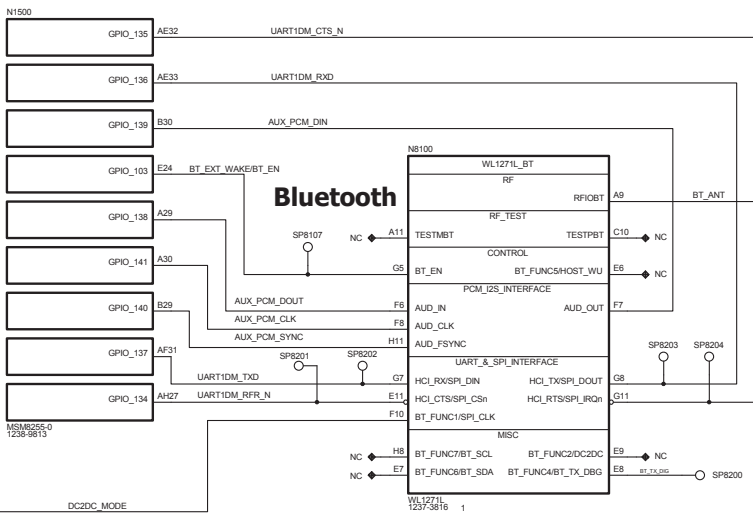


WLAN Supply: External Switch (Buck) #3



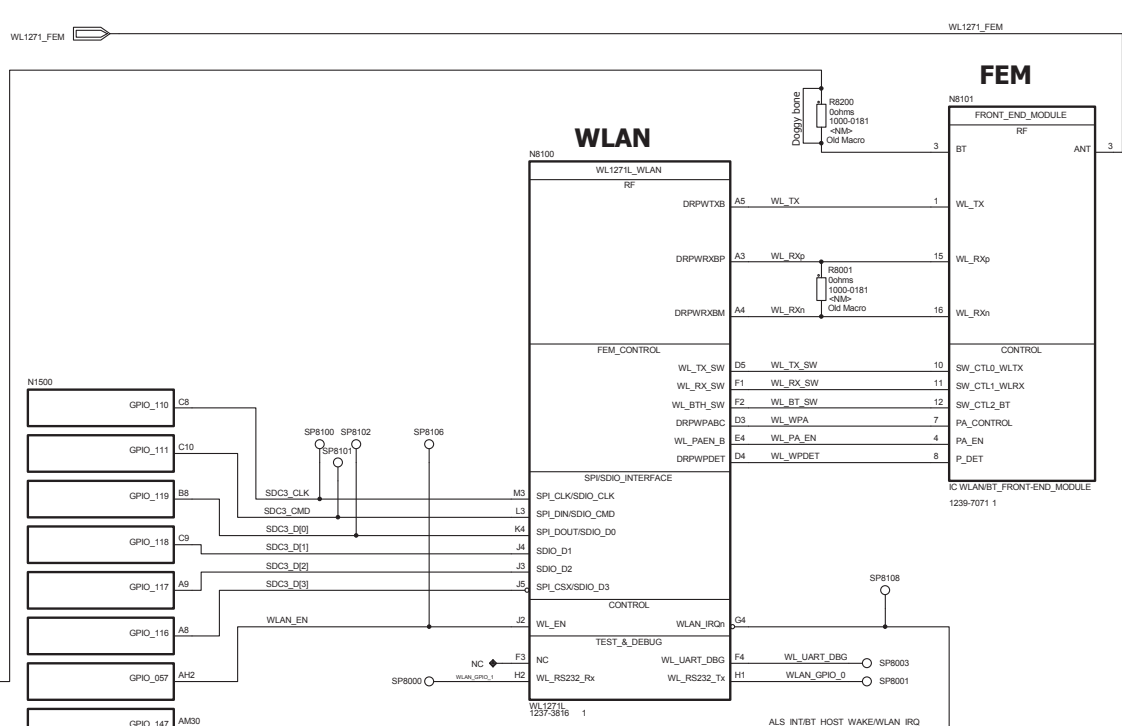
BT Radio -8200

Bluetooth

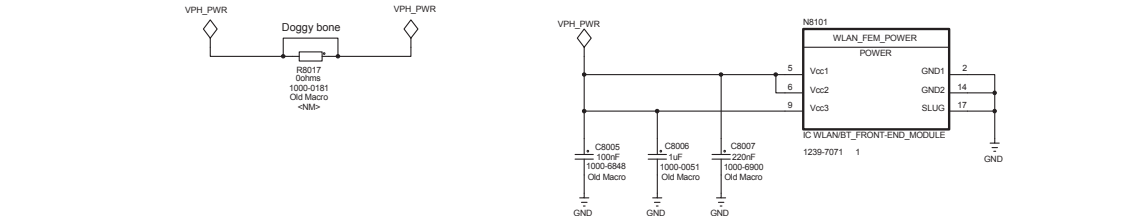


WLAN Radio -8000

WLAN

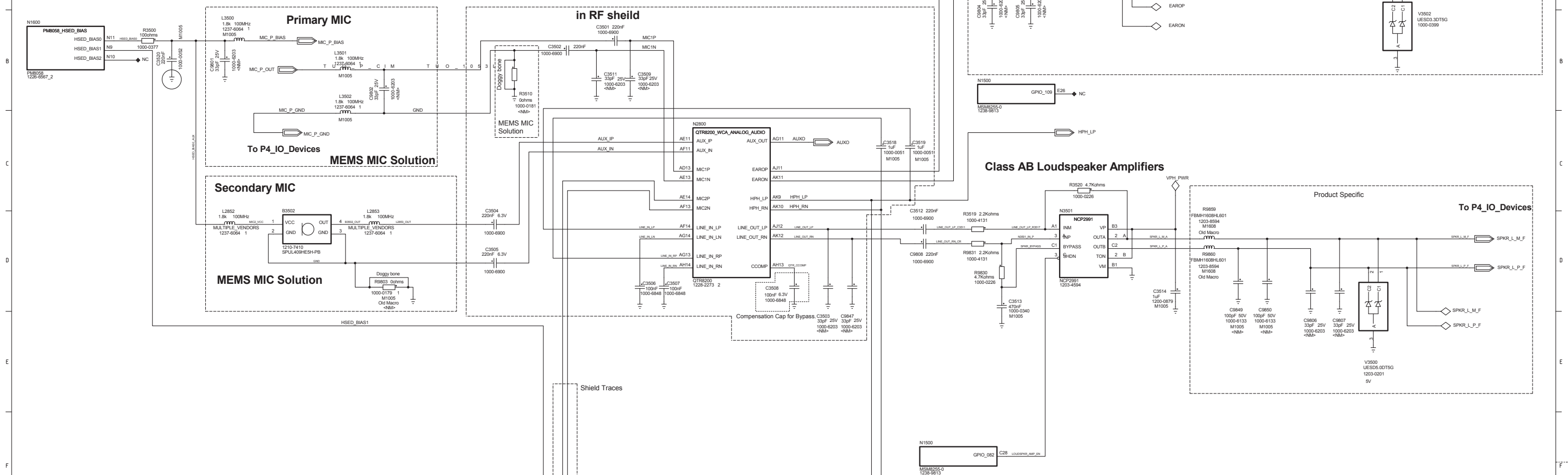


FEM Power



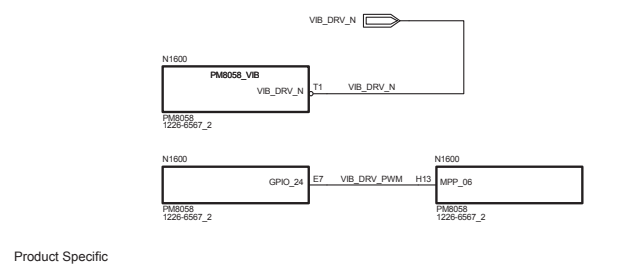
Analog Audio - 3500

Each project can select Mic solution
ECM or MEMS (This part is not CCM)

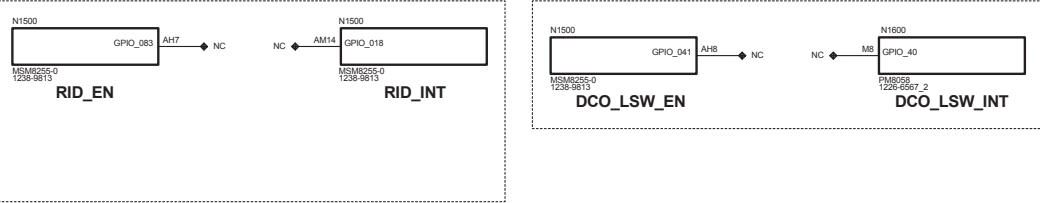
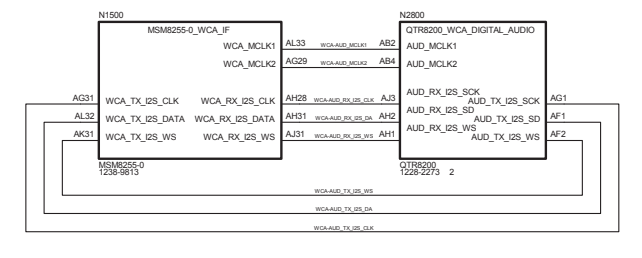


SE-PORT - 3600

Vibrator - 5100

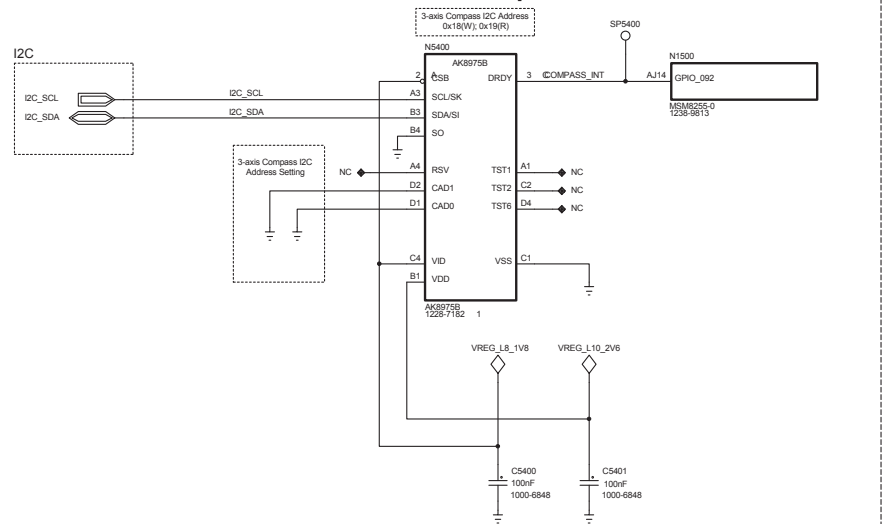


Digital Audio Line



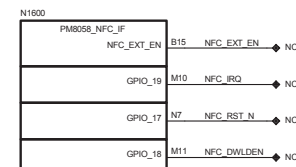
0 0 4 5 - s s

3-Axis Compass



a p m o C 0 1 4 - r o t c e n n o C D S u

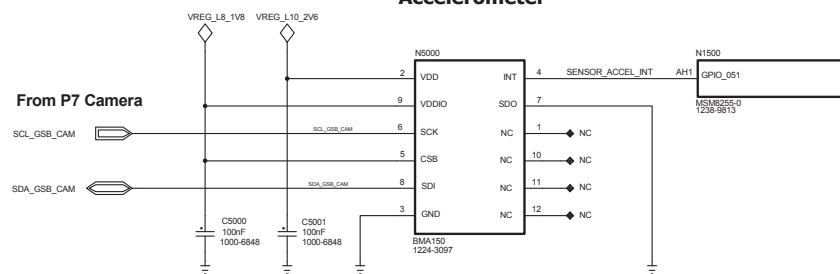
NFC Board - 8600



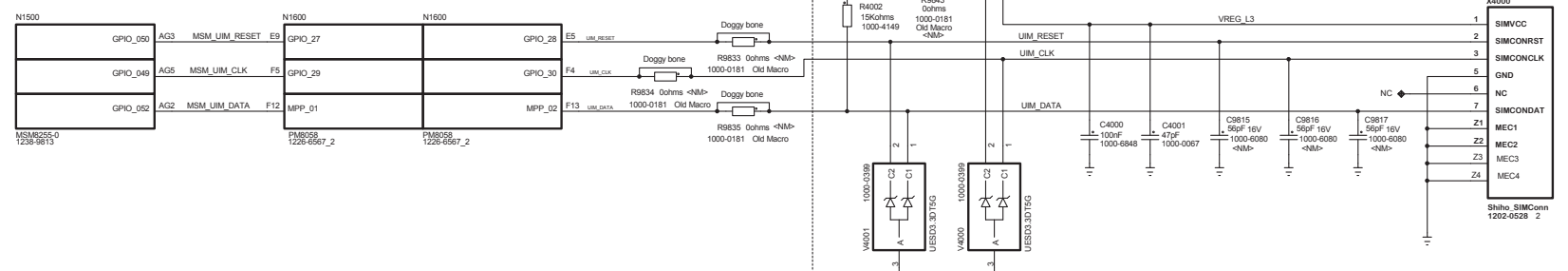
Product Specific

Accelerometer - 5000

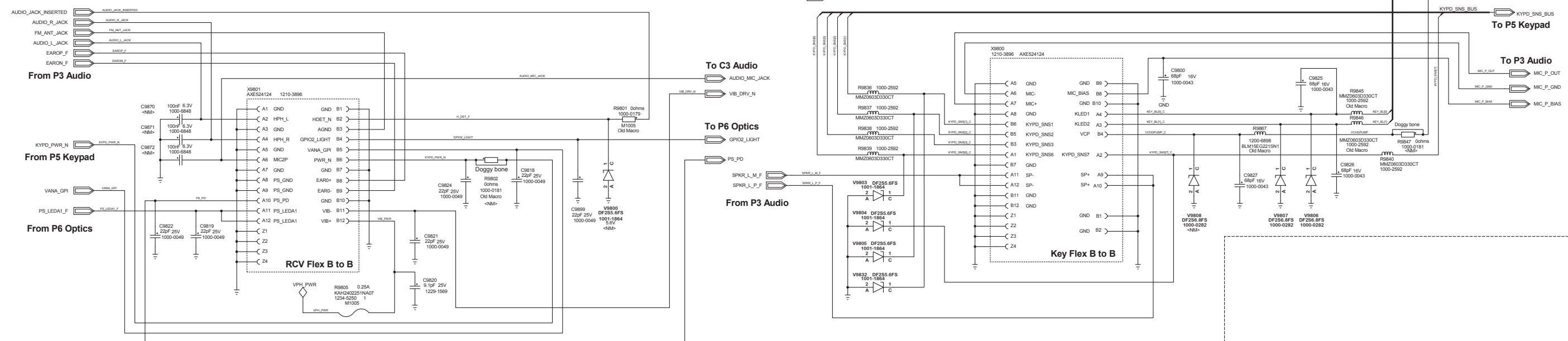
Accelerometer



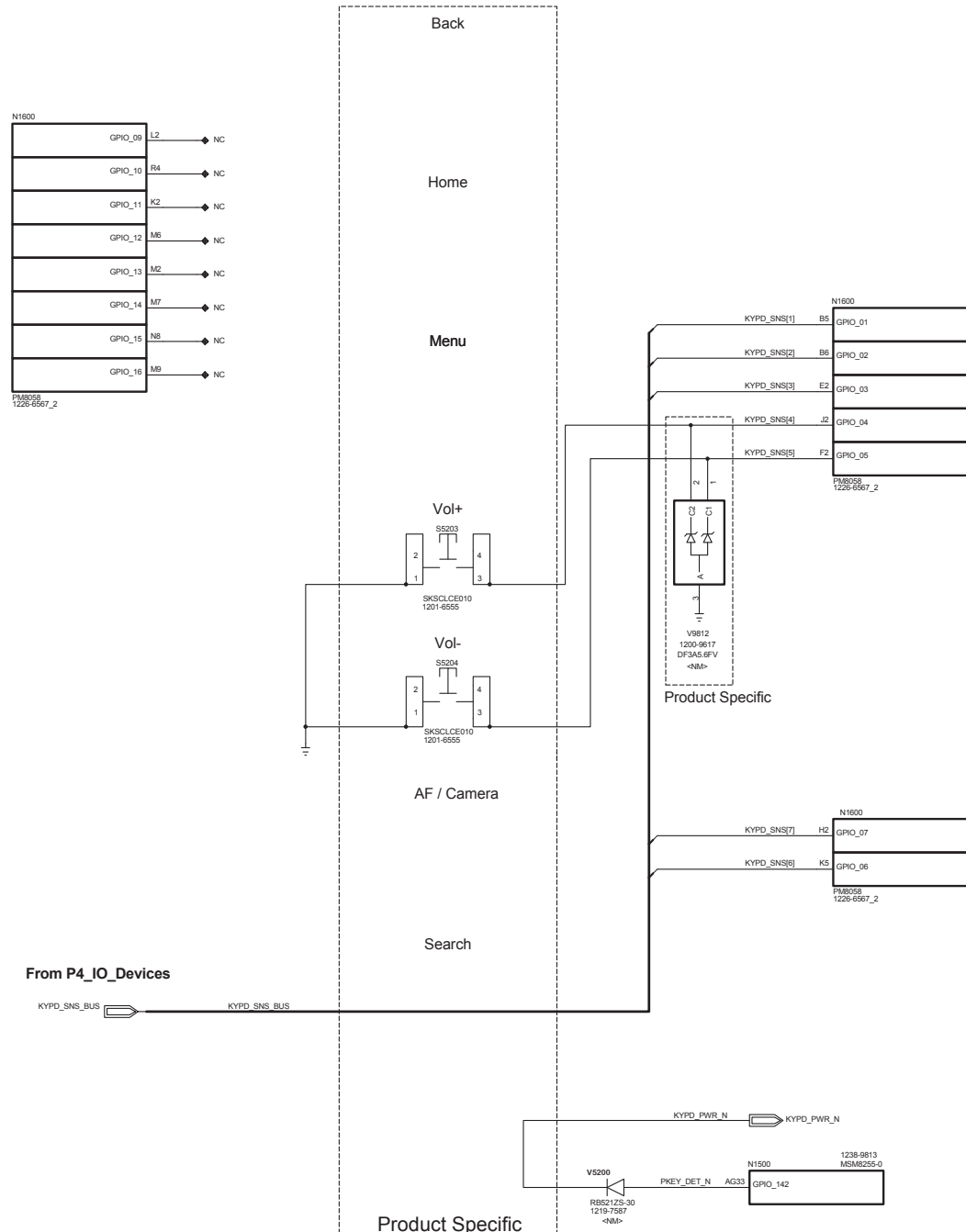
USIM Connector - 4000



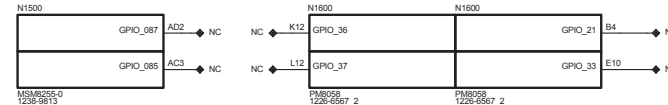
Flex Connector - 9800



Keyboard - 5200

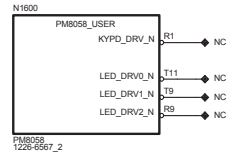


Detach Key I/F



Product Specific

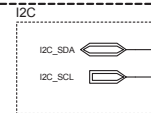
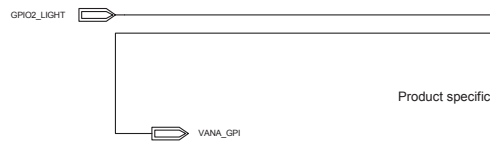
MMI LED - 5100



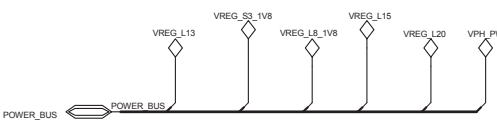
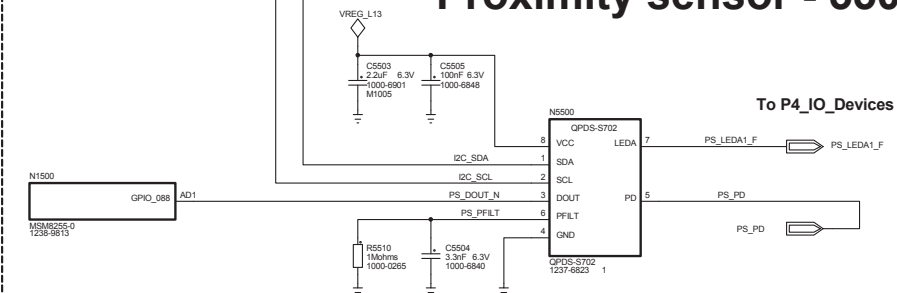
Torch LED - 7800

Product Specific

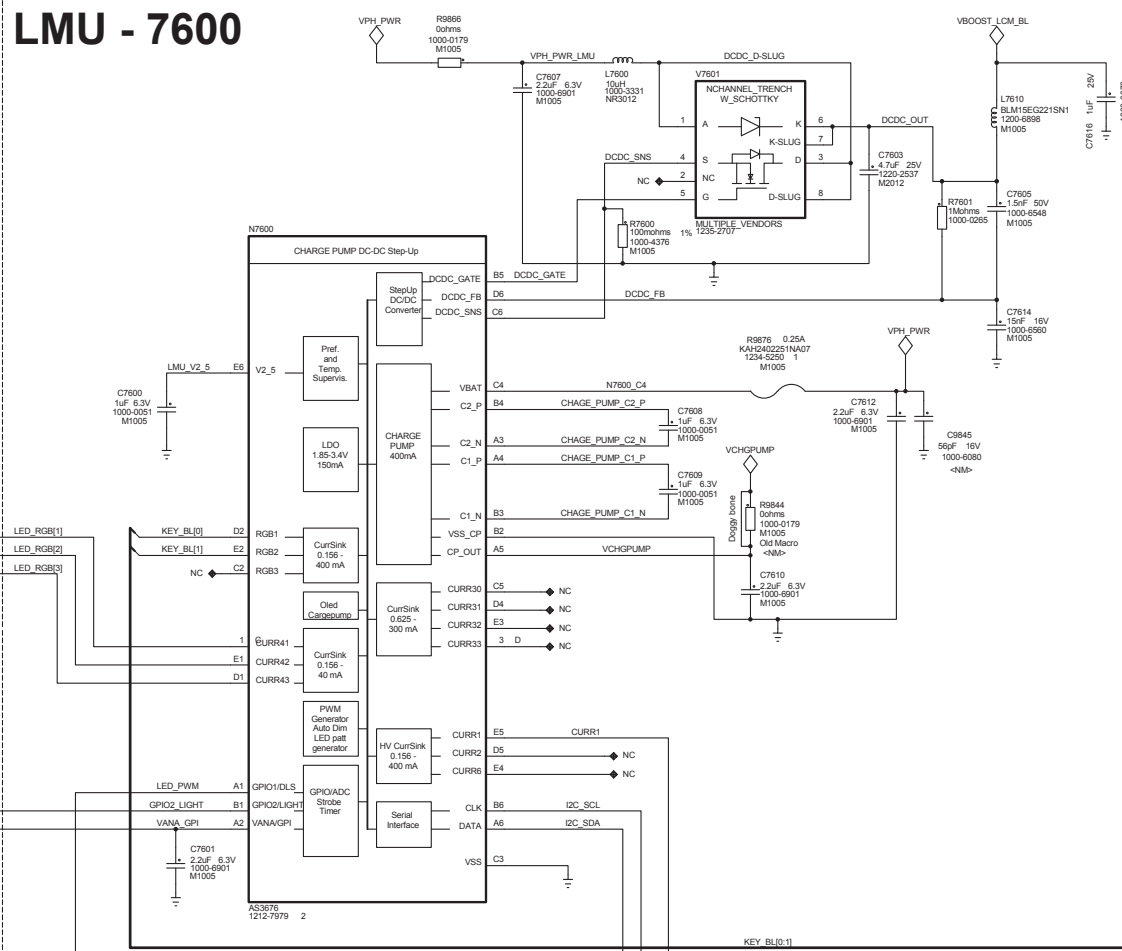
Ambient Light sensor - 5600



Proximity sensor - 5500

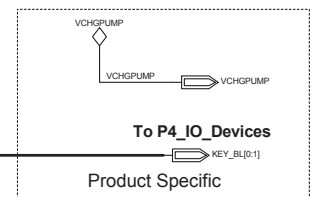


LMU - 7600

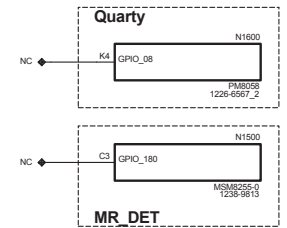


The value will be determined in evaluation.

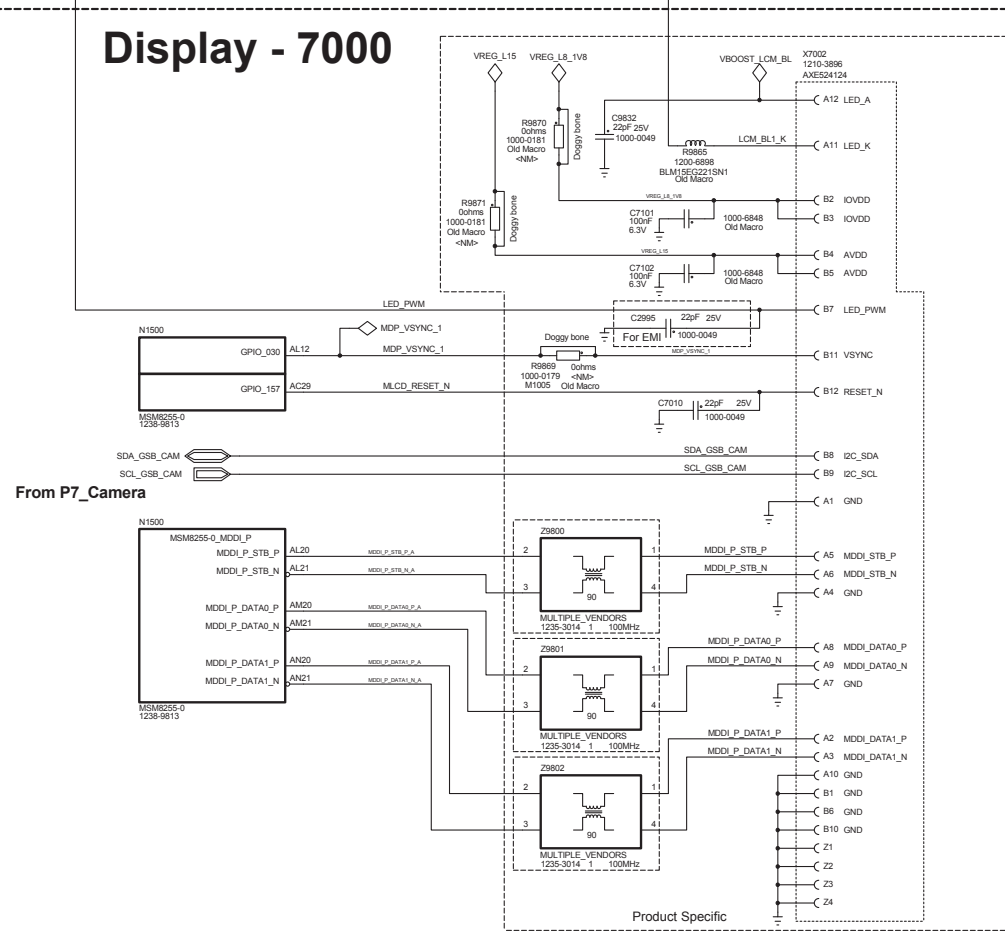
Keyboard (Key Back Light) - 5200



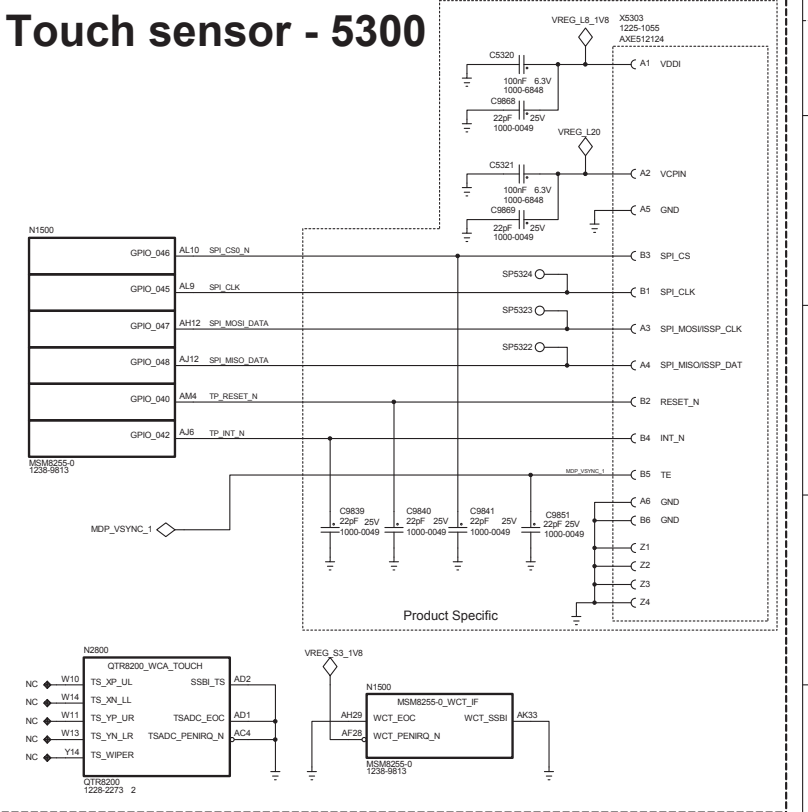
for CR2 Project



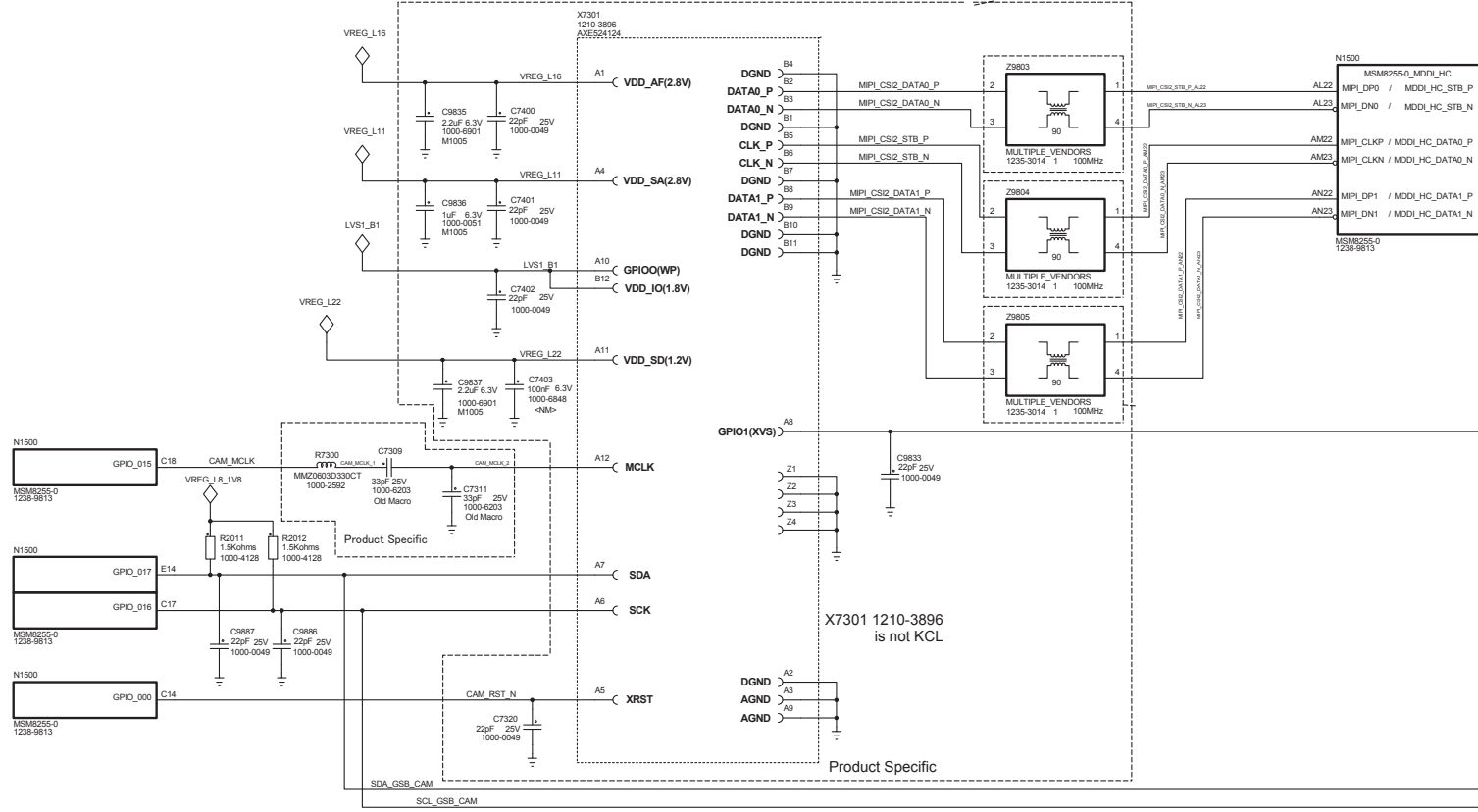
Display - 7000



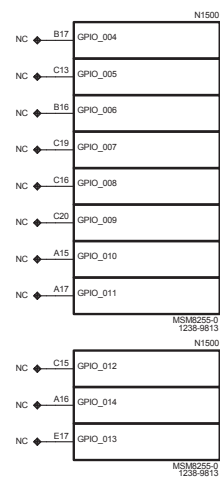
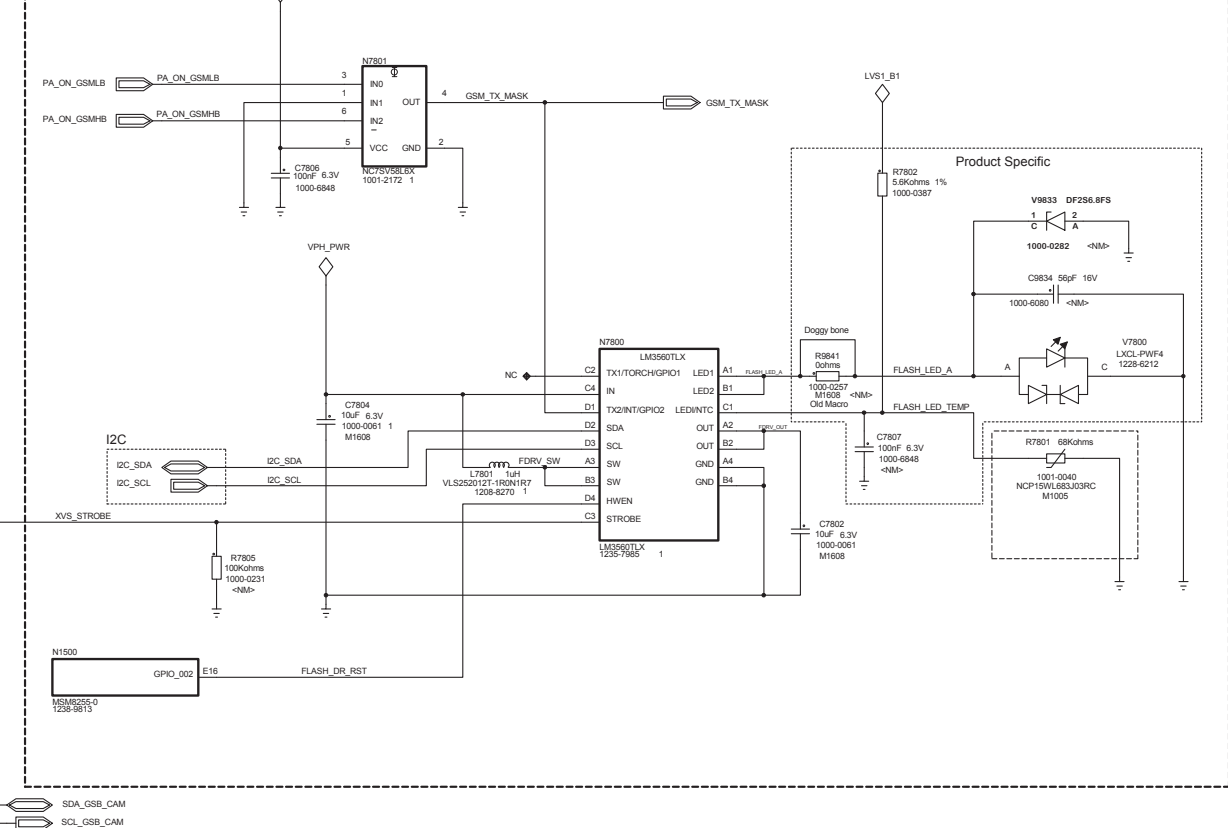
Touch sensor - 5300



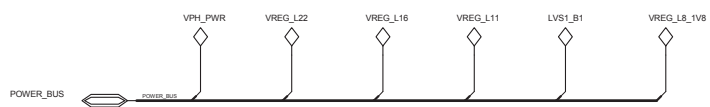
Main Camera - 7300



Flash LED Driver - 7800



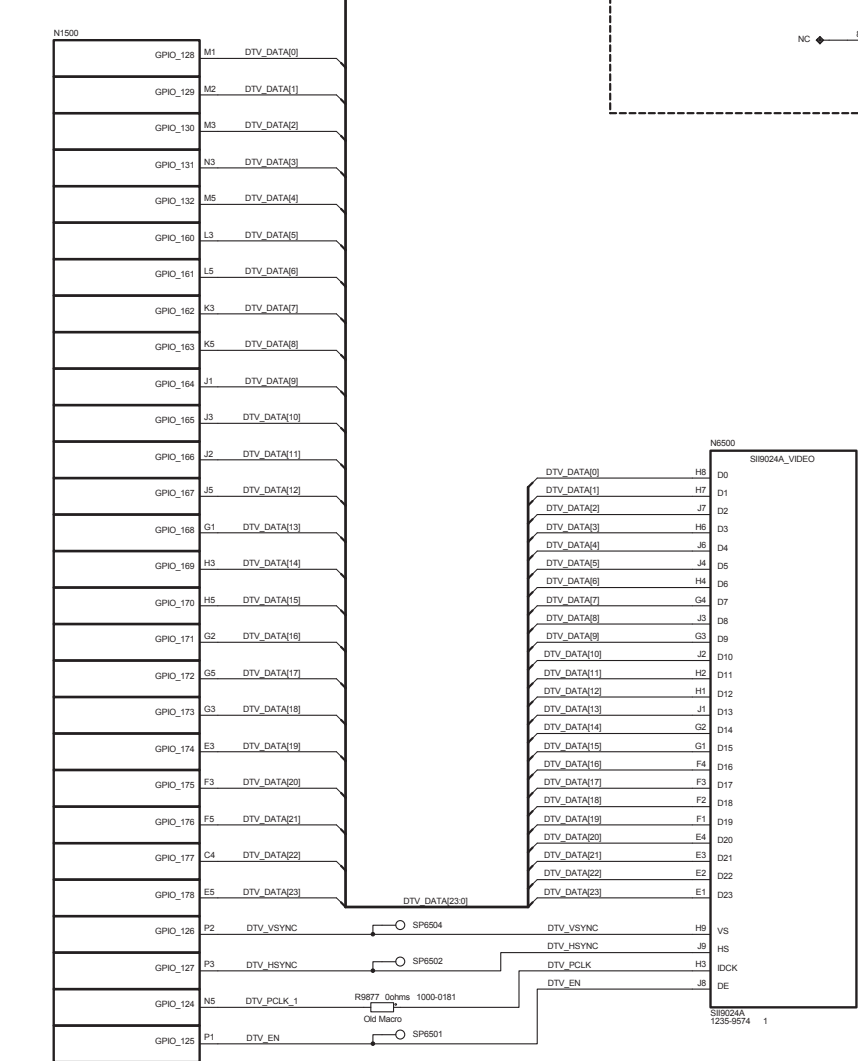
VGA Camera will be replaced to "Hydrogen" of VGA cam projects after KCL selection.



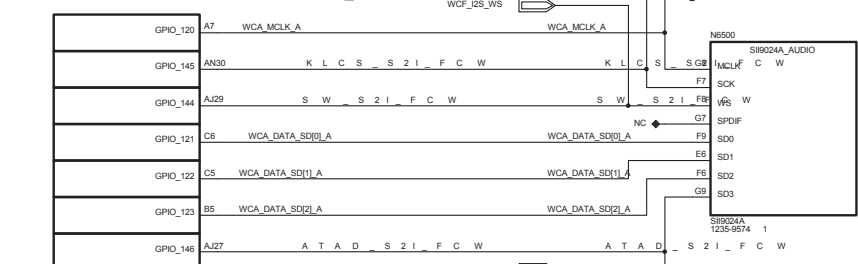
HDMI - 6500

Analog TV_Out - 6400

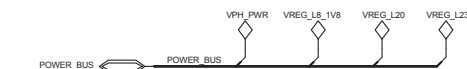
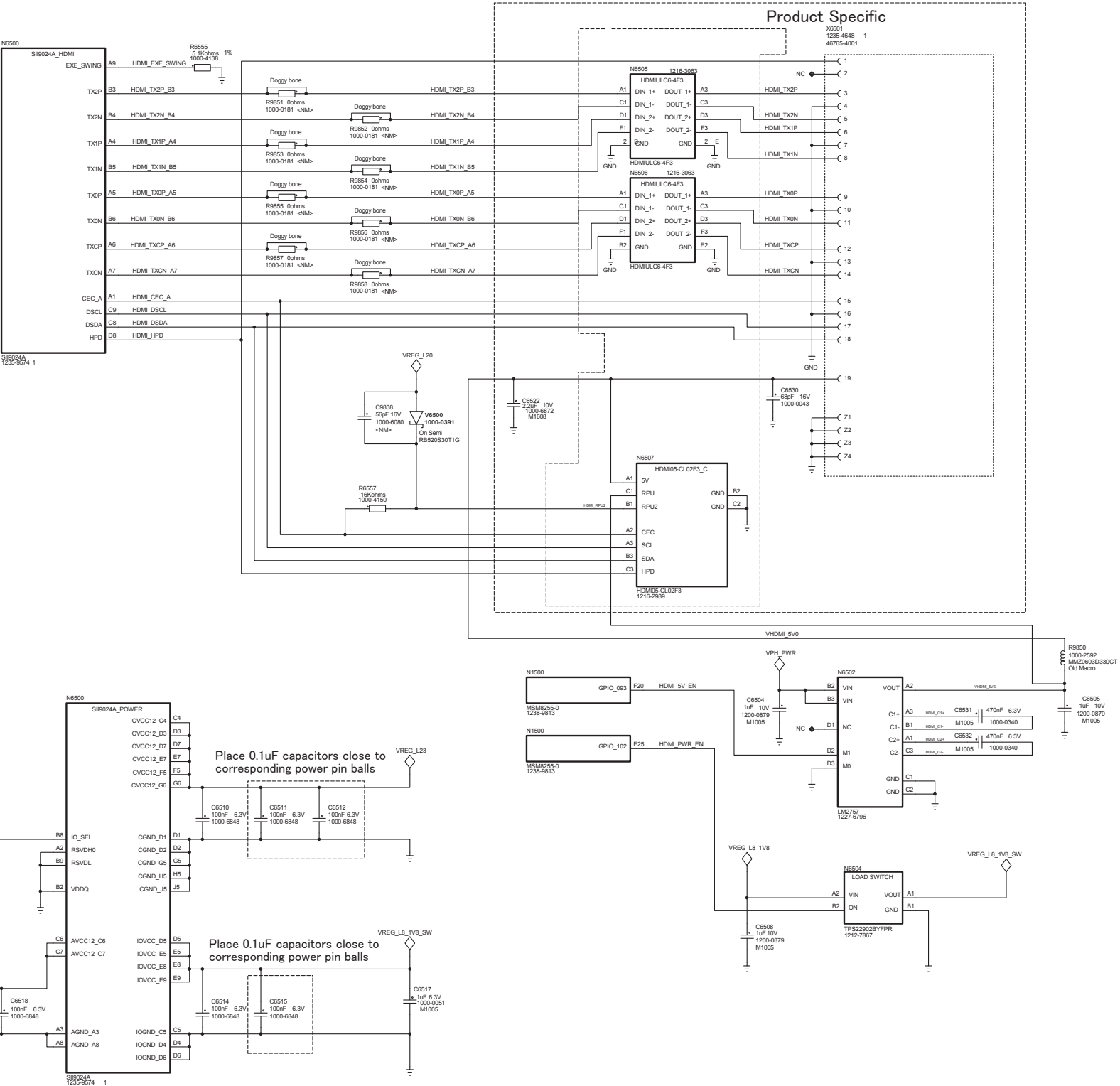
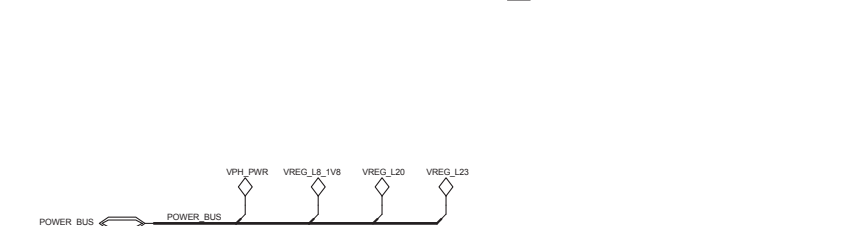
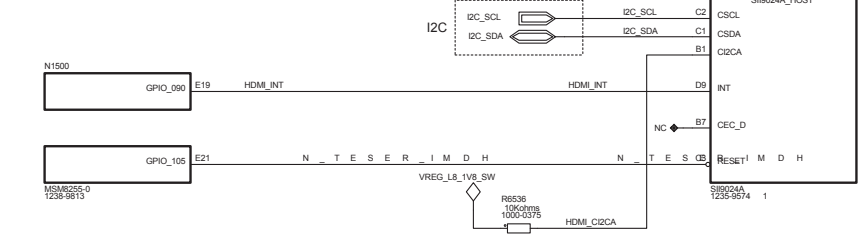
From C4_System&Debug



From P2_WLAN&BT



From P2_WLAN&BT



Revision History

Rev.	Date	Changes / Comments
1	2011-03-08	1 st release
2	2011-03-31	Notes update