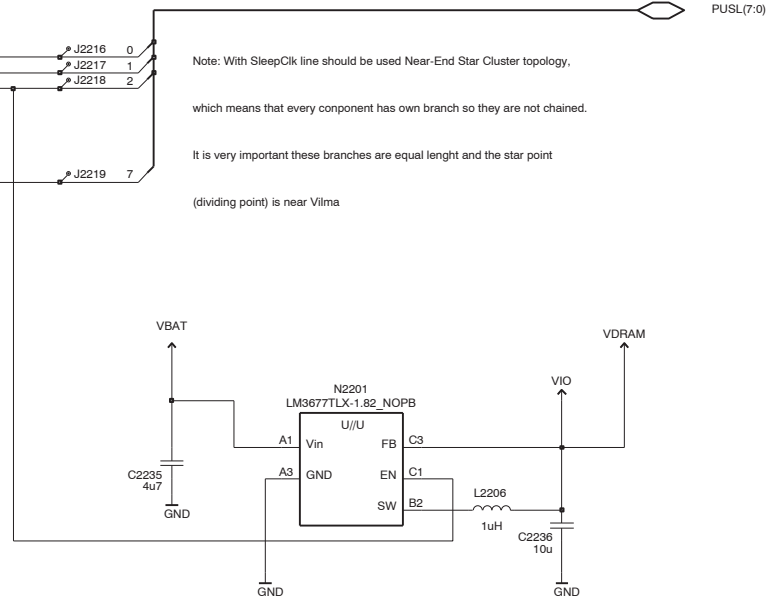
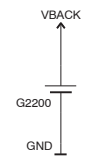
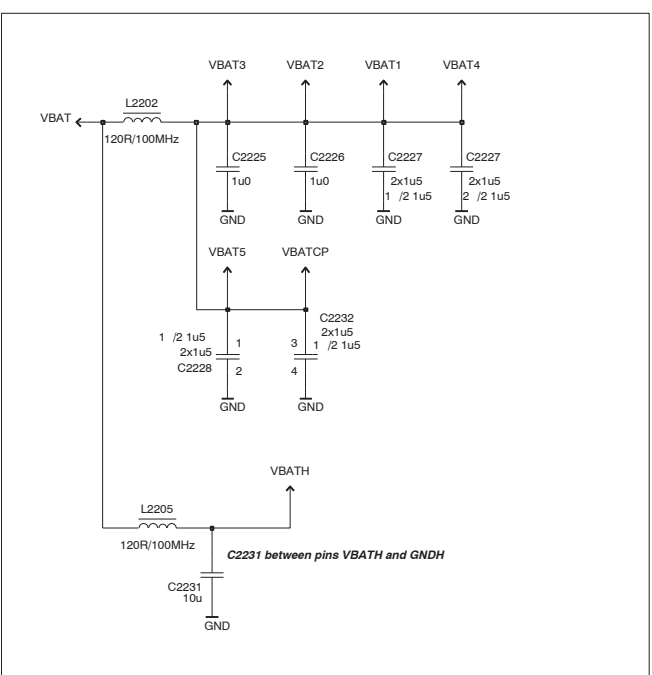
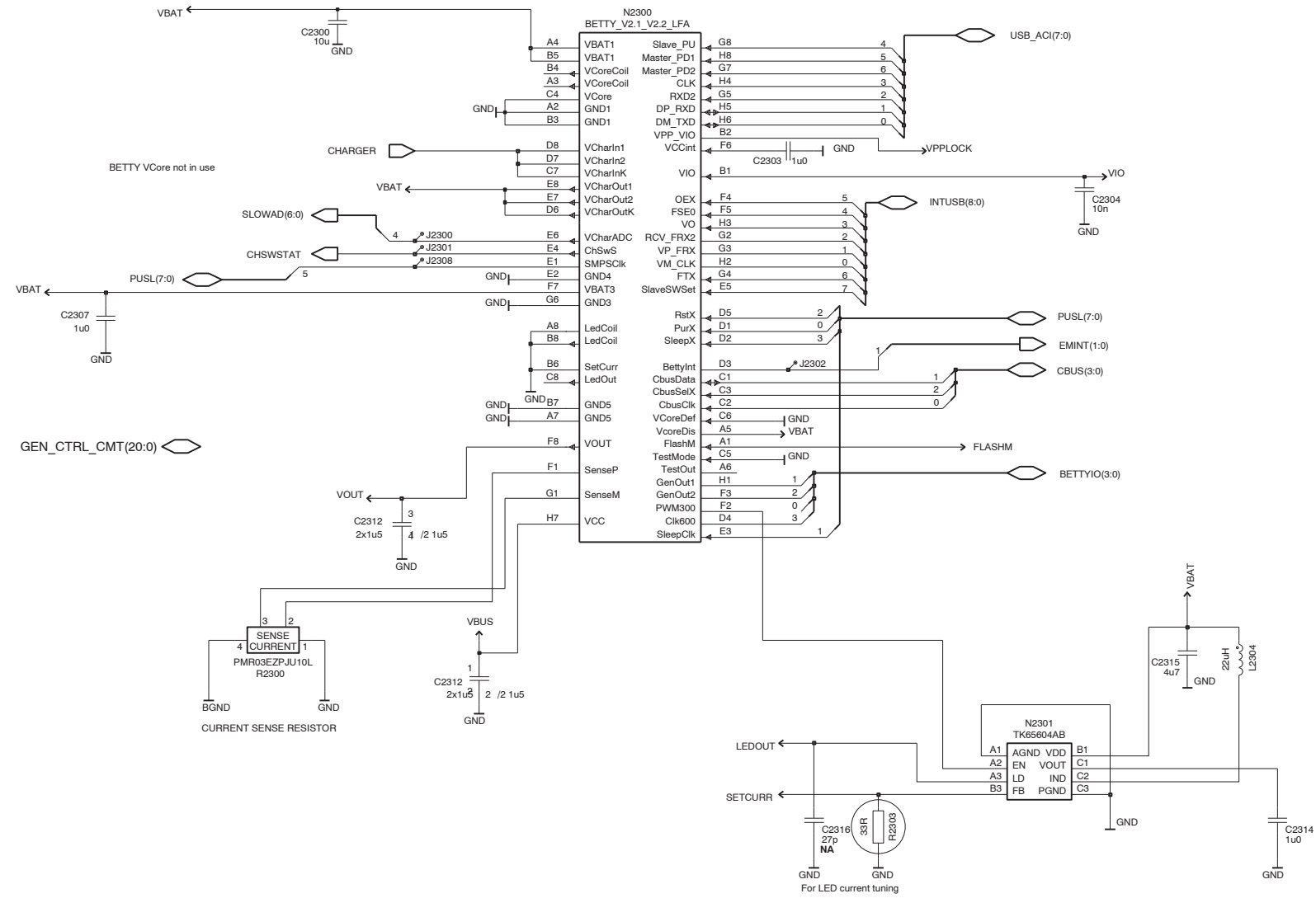


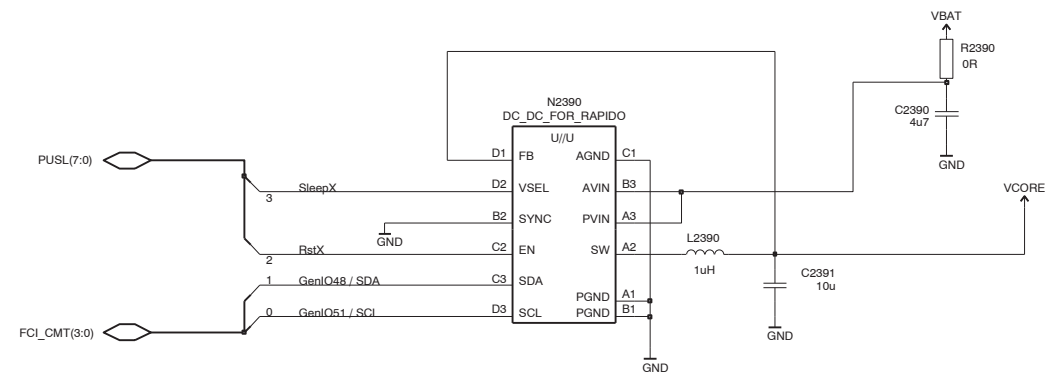
Termination resistor R2201 needed if Knopfler Digimic is used
Place R2201 near rapido AUDCLK pin C17, branch with R2170

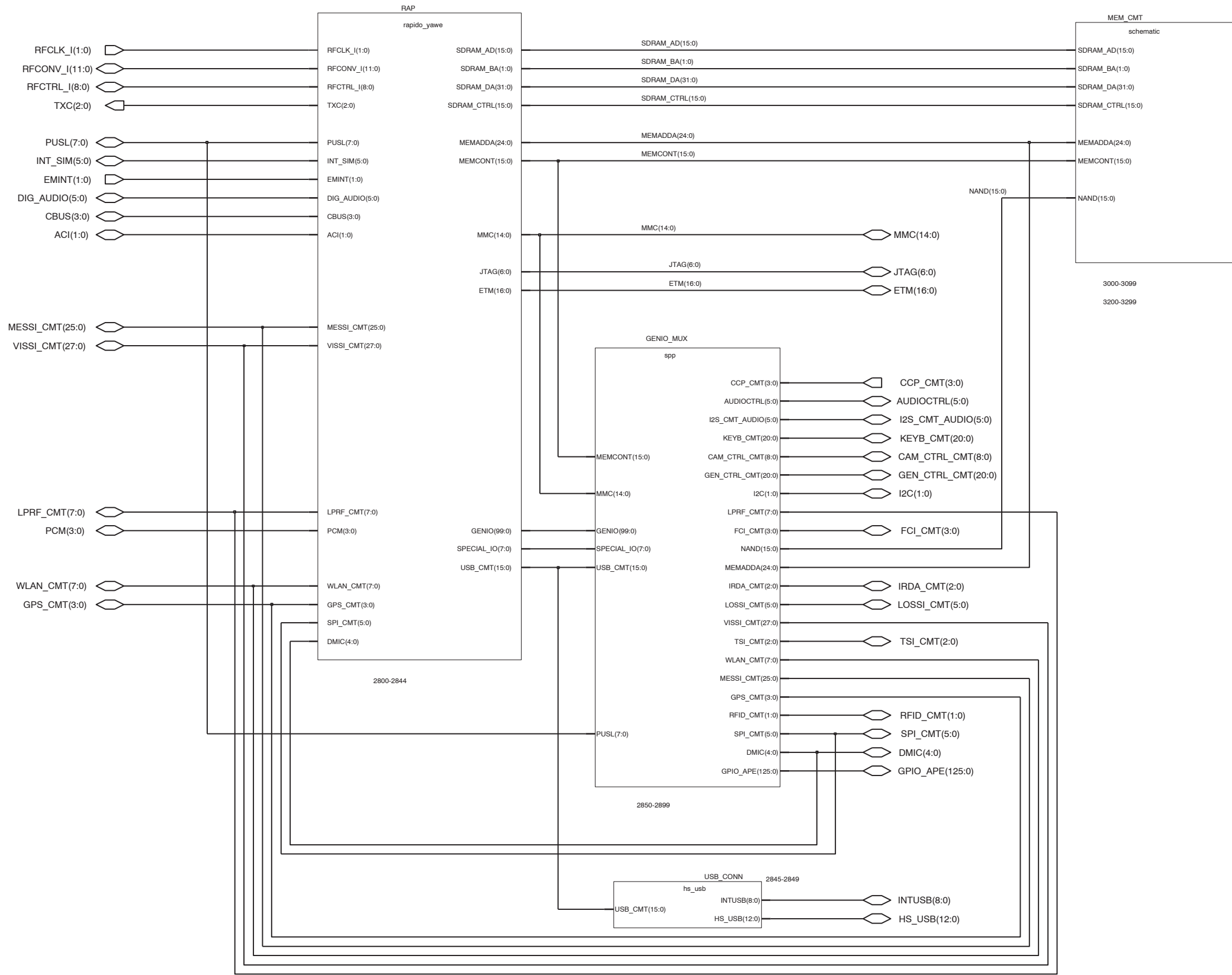


Note: With SleepClk line should be used Near-End Star Cluster topology,
which means that every component has own branch so they are not chained.
It is very important these branches are equal length and the star point
(dividing point) is near Vilma

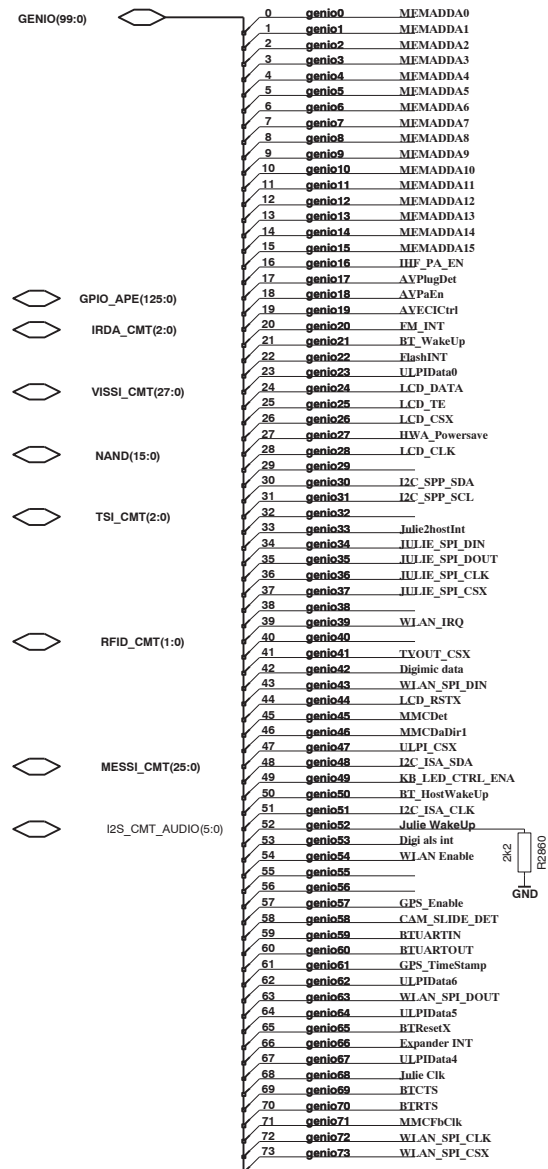


NOTE! SDA and SCL lines should include 10-47kOhm pull up resistors. Resistors value is dependent on number of I2C slaves





Signal names are only comment text!



GPIO_APE(125:0)

IRDA_CMT(2:0)

VISSI_CMT(27:0)

NAND(15:0)

TSI_CMT(2:0)

RFID_CMT(1:0)

MESSI_CMT(25:0)

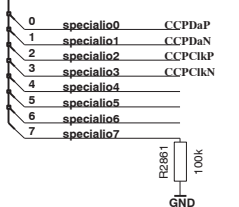
I2S_CMT_AUDIO(5:0)

2k2

R2890

GND

SPECIAL_IO(7:0)



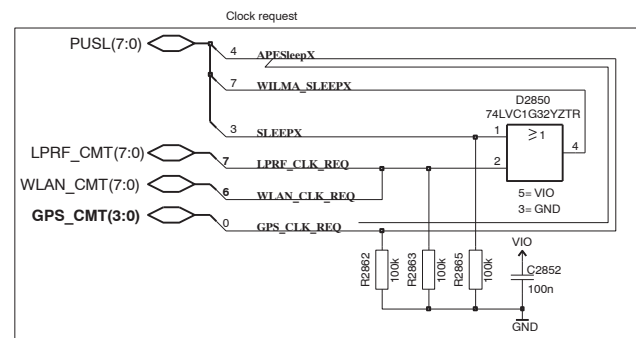
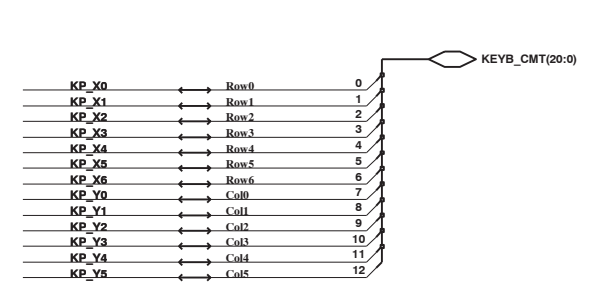
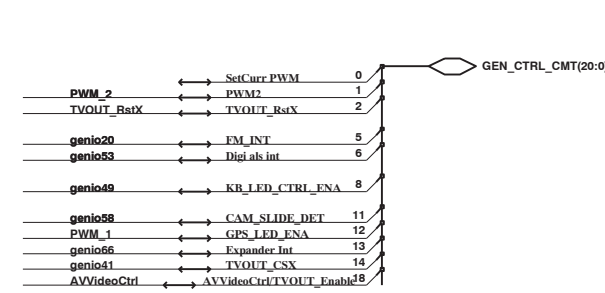
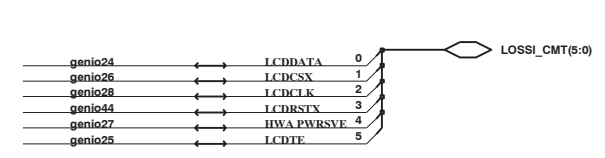
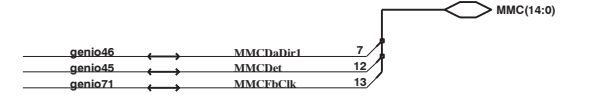
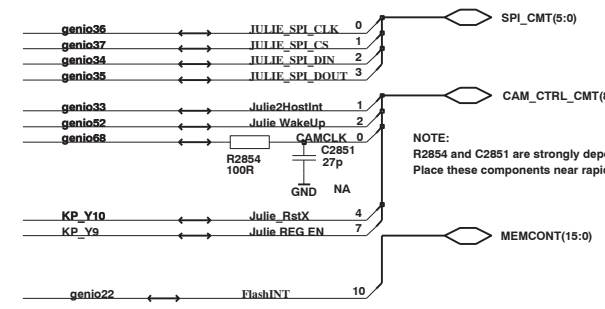
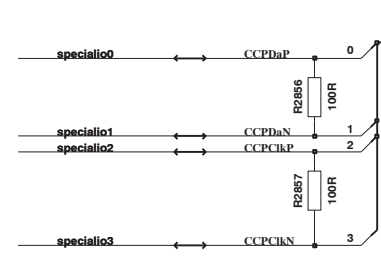
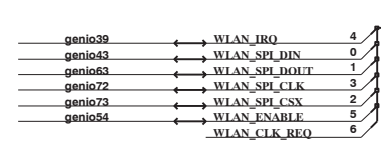
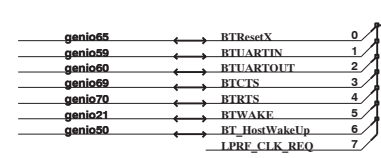
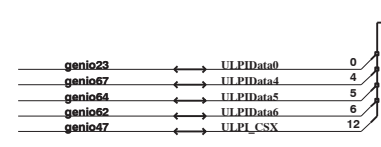
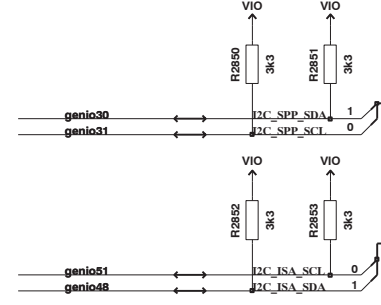
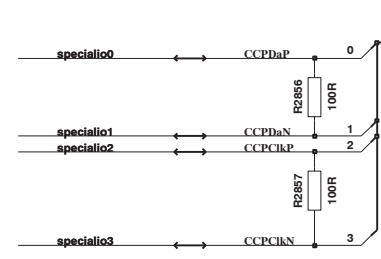
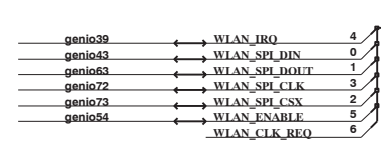
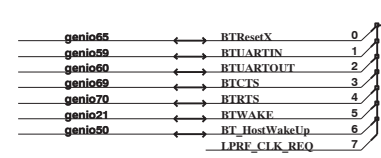
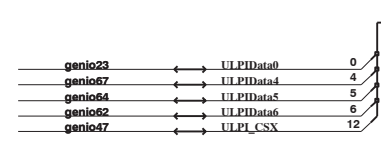
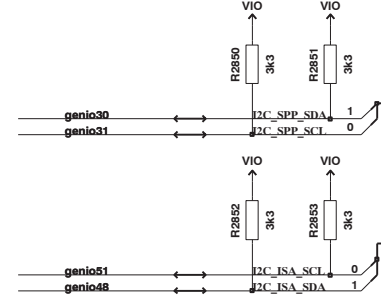
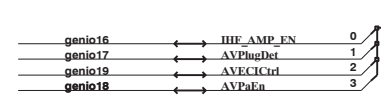
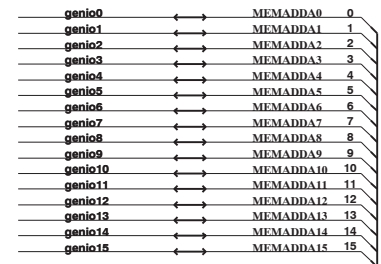
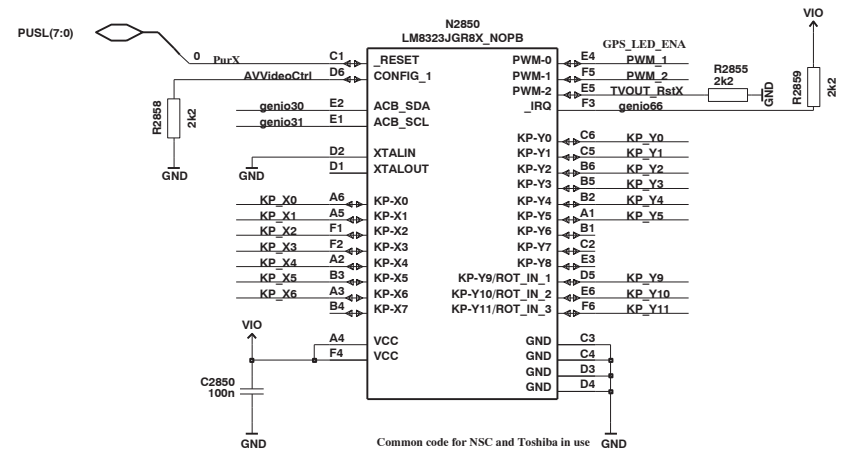
R2881

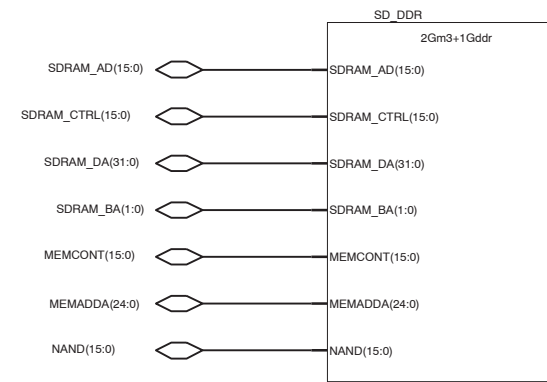
100k

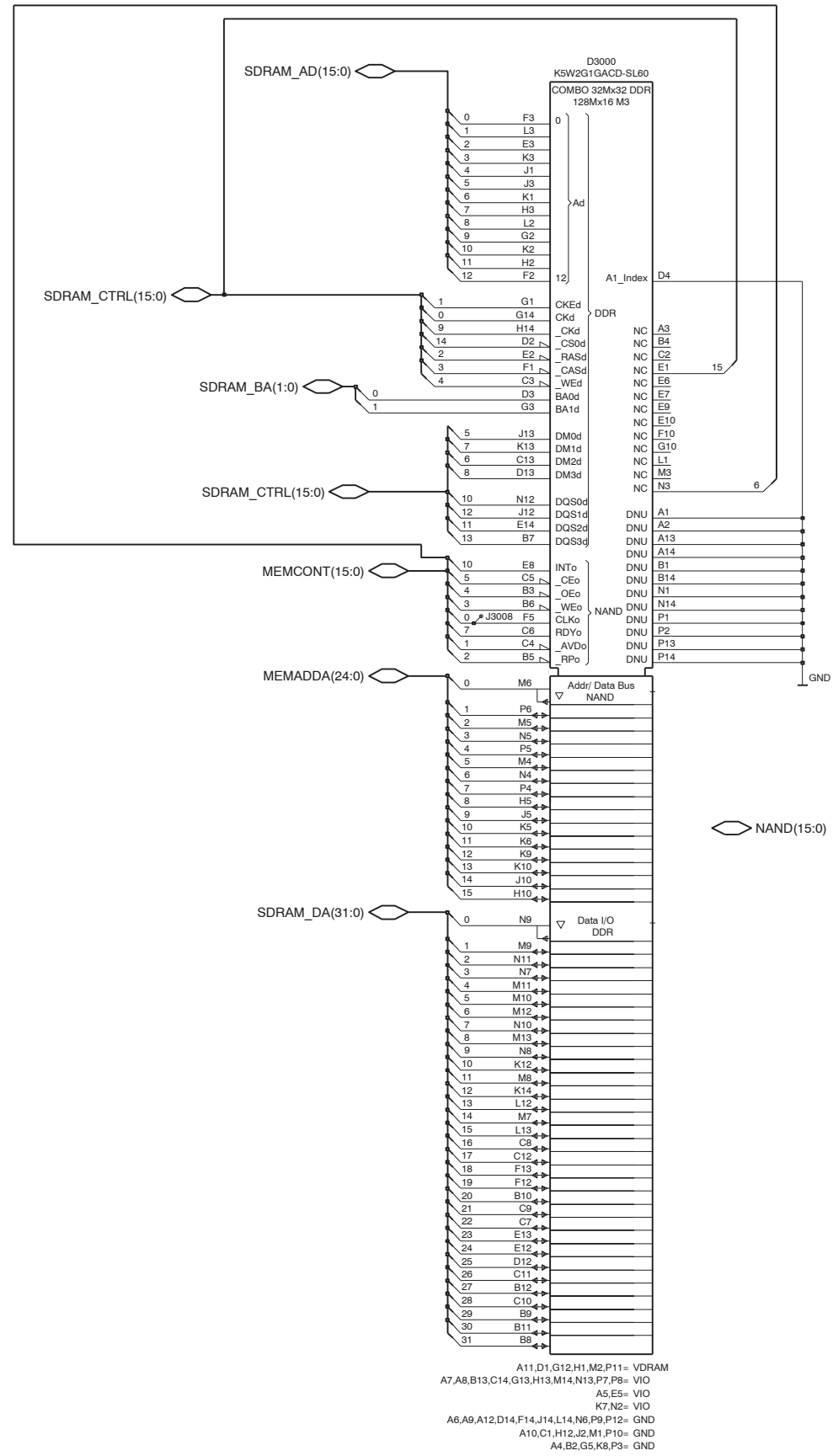
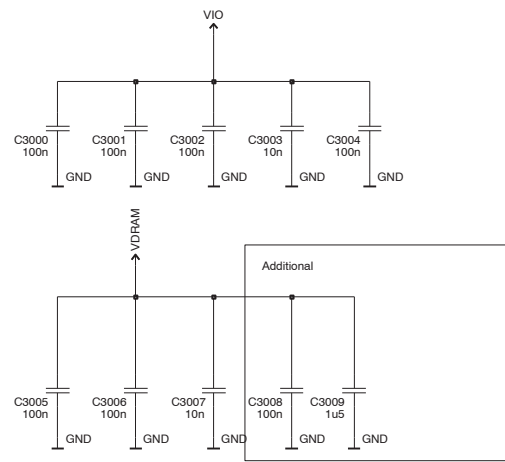
GND

NOTE! SDA and SCL lines should include 10-47kOhm pull up resistors.
Resistors value is dependent on number of I2C slaves

I/O EXPANDER





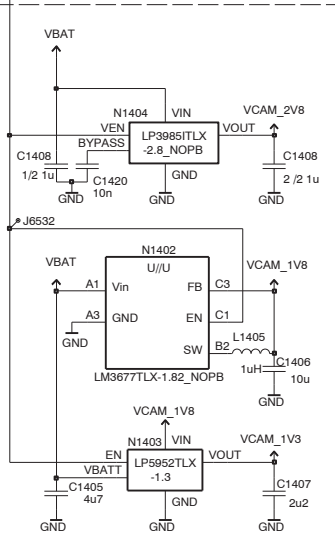


JULIE
(128Mbit stacked)
1400-1449

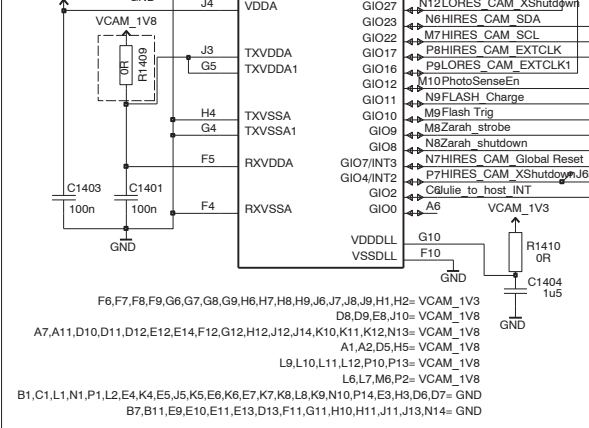
CAM_CTRL_CMT(8:0)

- 4 Julie Reset
- 0 JulieCk
- 2 Julie wakeup
- 1 Julie_2_host_INT
- 7 JulieReg_en

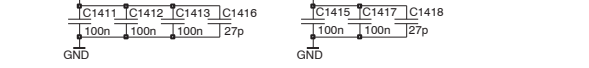
CAMERA power supplies



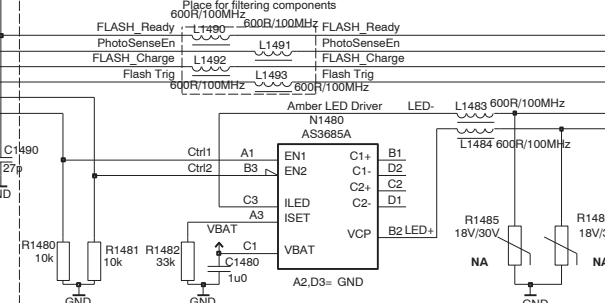
ACME CAMERA
1460-1469



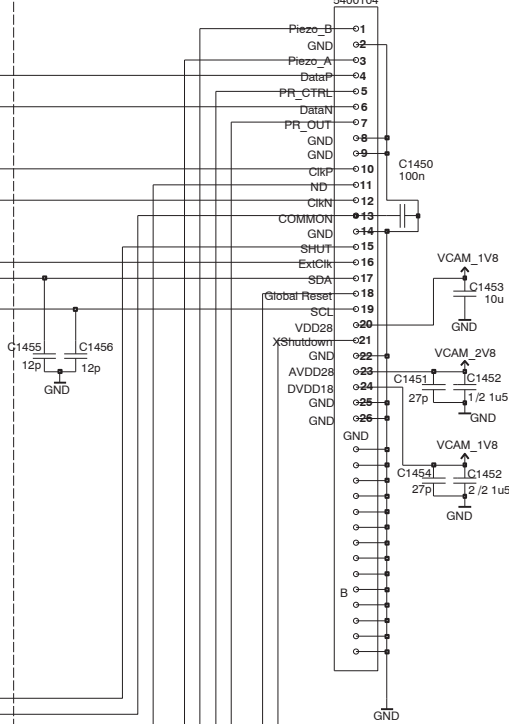
ZARAH AF DRIVER
1470-1479



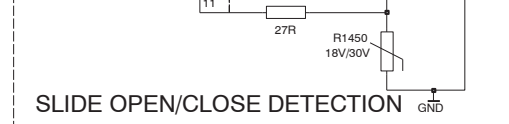
TABASCO CONNECTOR AND AMBER LED DRIVER
1480-1489



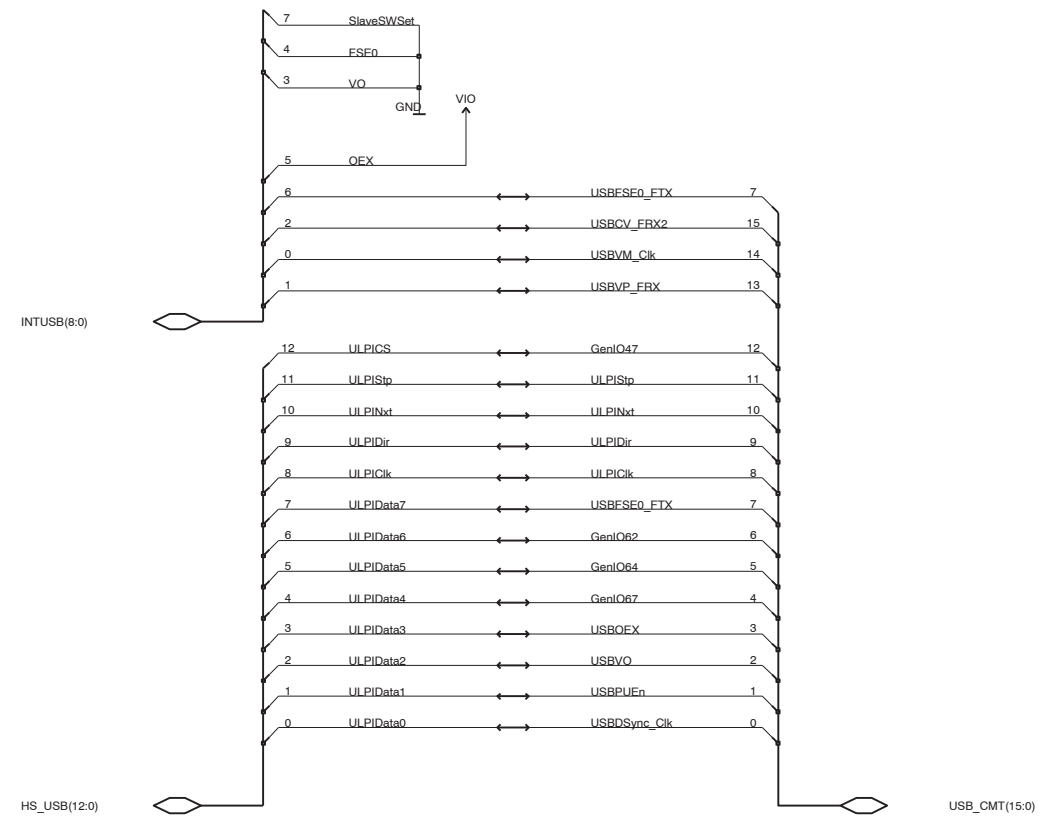
SHARK CAMERA
1450-1459

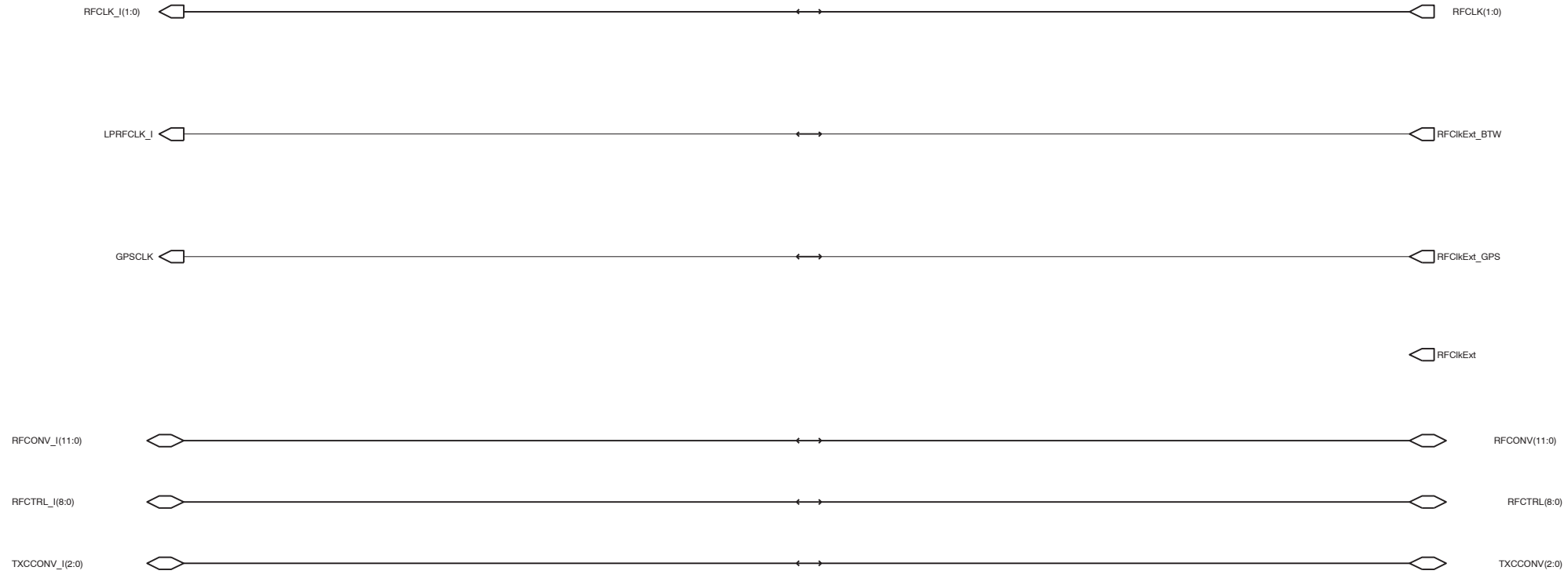


GEN_CTRL_CMT(20:0)

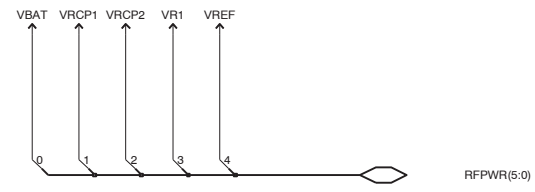


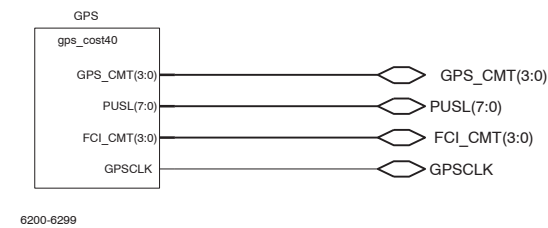
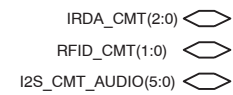
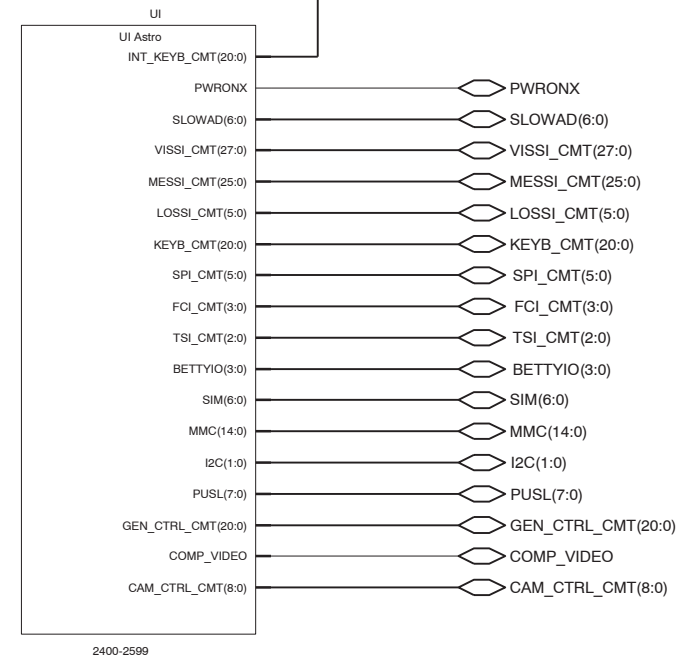
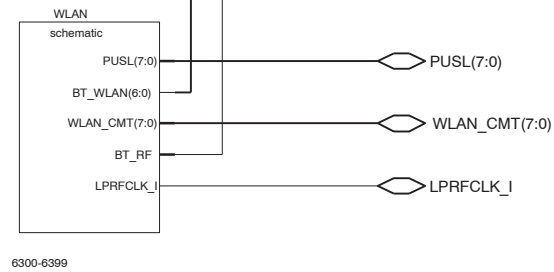
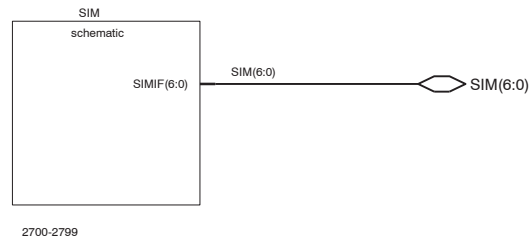
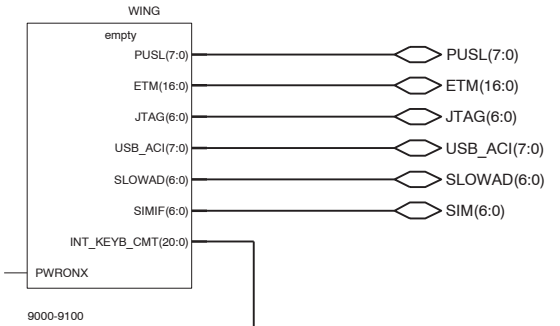
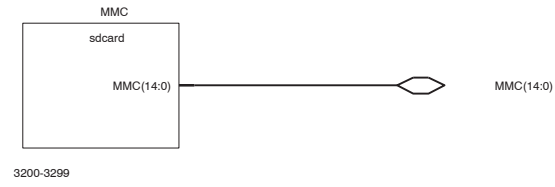
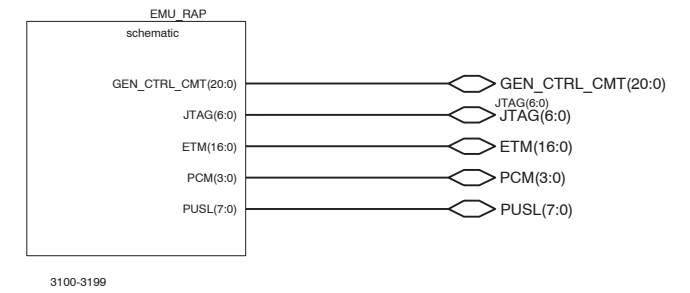
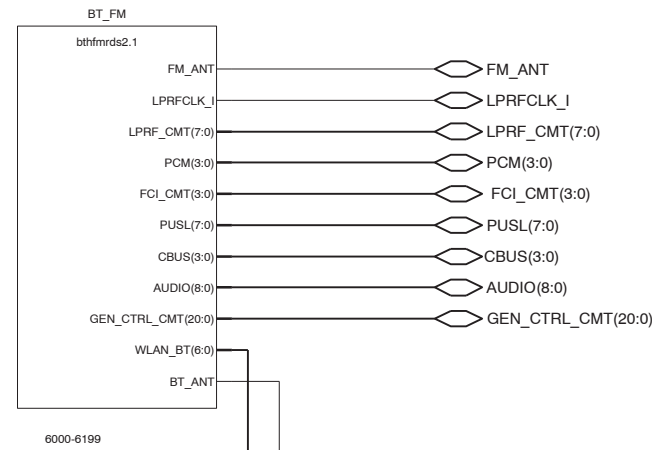
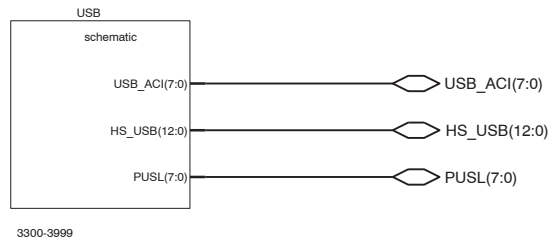
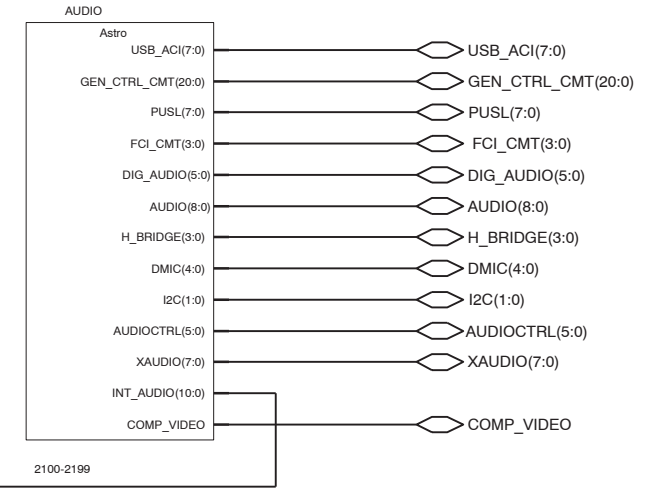
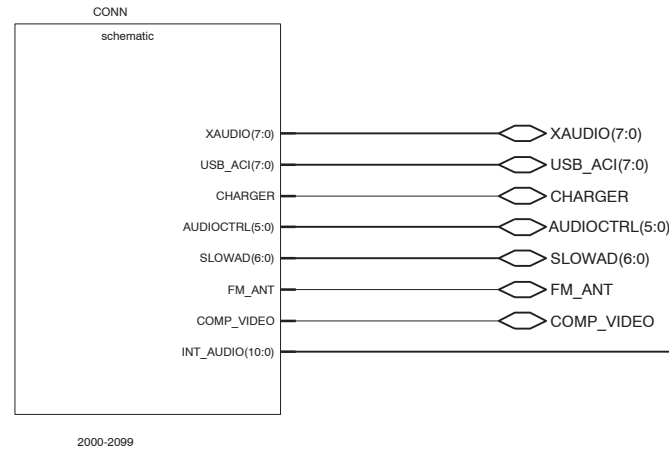
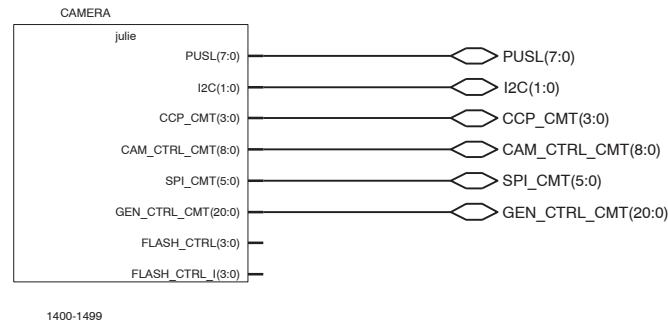
- I2C(1:0)
- PUSL(7:0)
- FLASH_CTRL(3:0)
- FLASH_CTRL_I(3:0)
- GEN_CTRL_CMT(20:0)

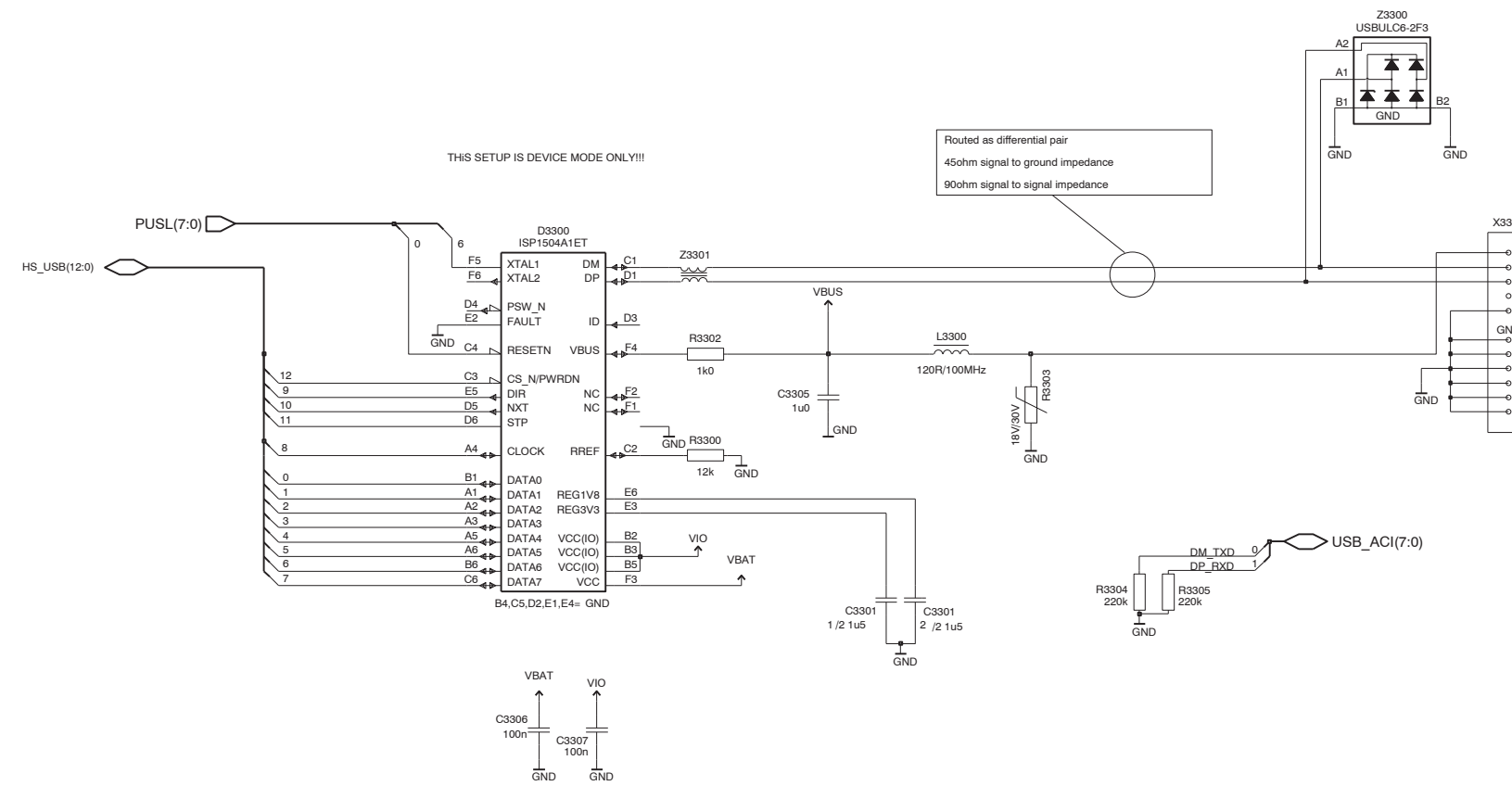


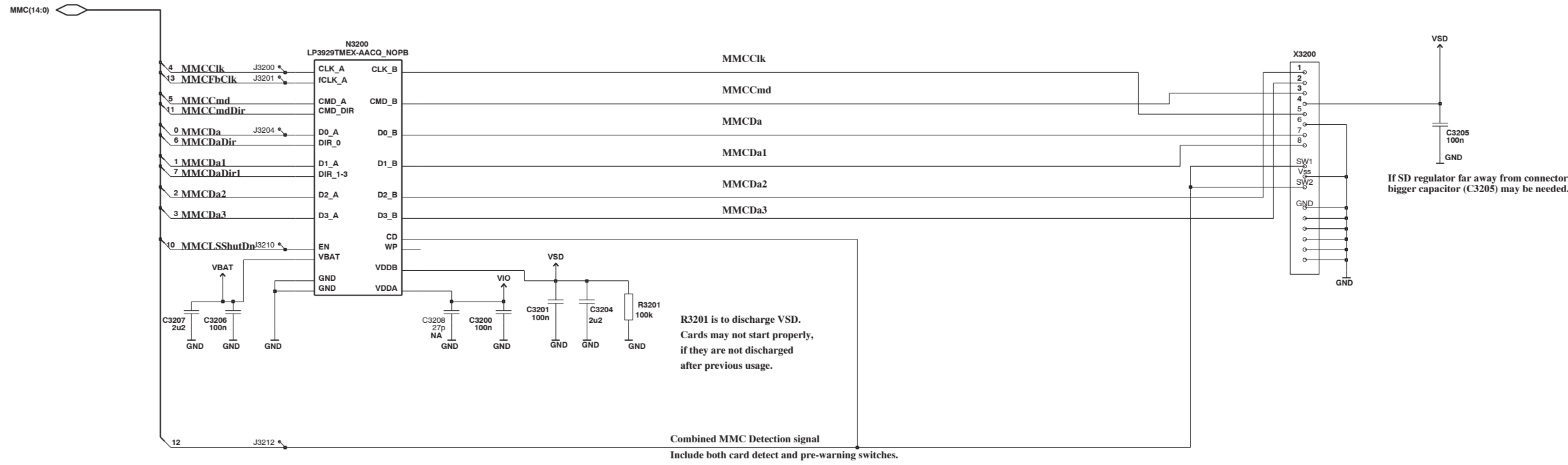


VRCP2 not needed.

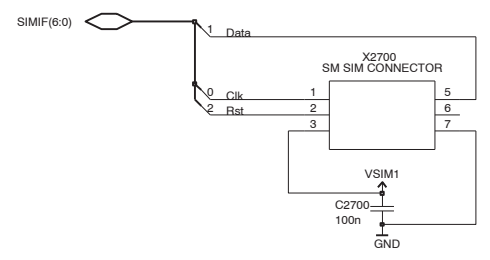




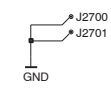


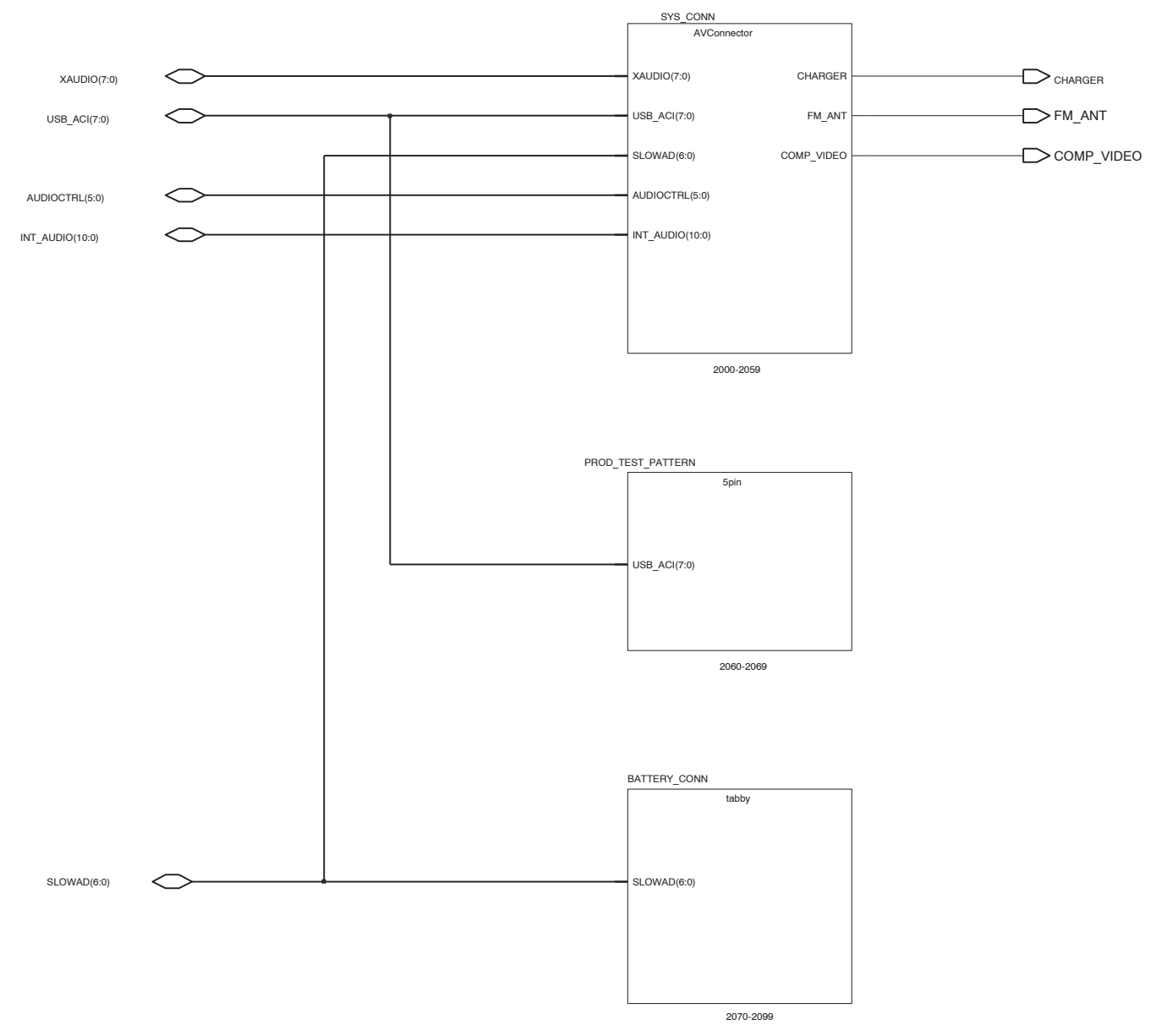


Test pad	Needed	Optional
J3200 MMCLK (Rapido vs. EMIF)	X	
J3201 MMCFbCLK (Rapido vs EMIF)	X	
J3202 MMCCMD (Rapido vs EMIF)	X	
J3203 MMCCMDIR (Rapido vs EMIF)	X	
J3204 MMCDATA0 (Rapido vs EMIF)	X	
J3205 MMCDATA0DIR0 (Rapido vs EMIF)	X	
J3206 MMCDATA1 (Rapido vs EMIF)	X	
J3207 MMCDATA1DIR1 (Rapido vs EMIF)		X
J3208 MMCDATA2 (Rapido vs EMIF)	X	
J3209 MMCDATA3 (Rapido vs EMIF)	X	
J3210 MMCLShutDn (Rapido vs EMIF)		X
J3212 MMC Detect	X	
J3213 MMCLK (EMIF vs connector)	X	
J3214 MMCCMD (EMIF vs connector)	X	
J3215 MMCDATA0 (EMIF vs connector)	X	
J3216 MMCDATA1 (EMIF vs connector)		X
J3217 MMCDATA2 (EMIF vs connector)		X
J3218 MMCDATA3 (EMIF vs connector)		X

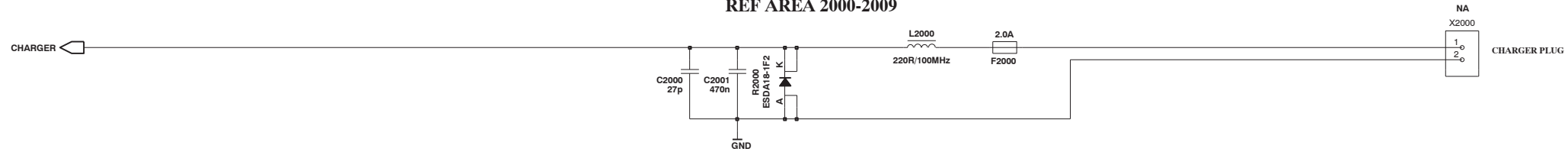


For SIM lid grounding





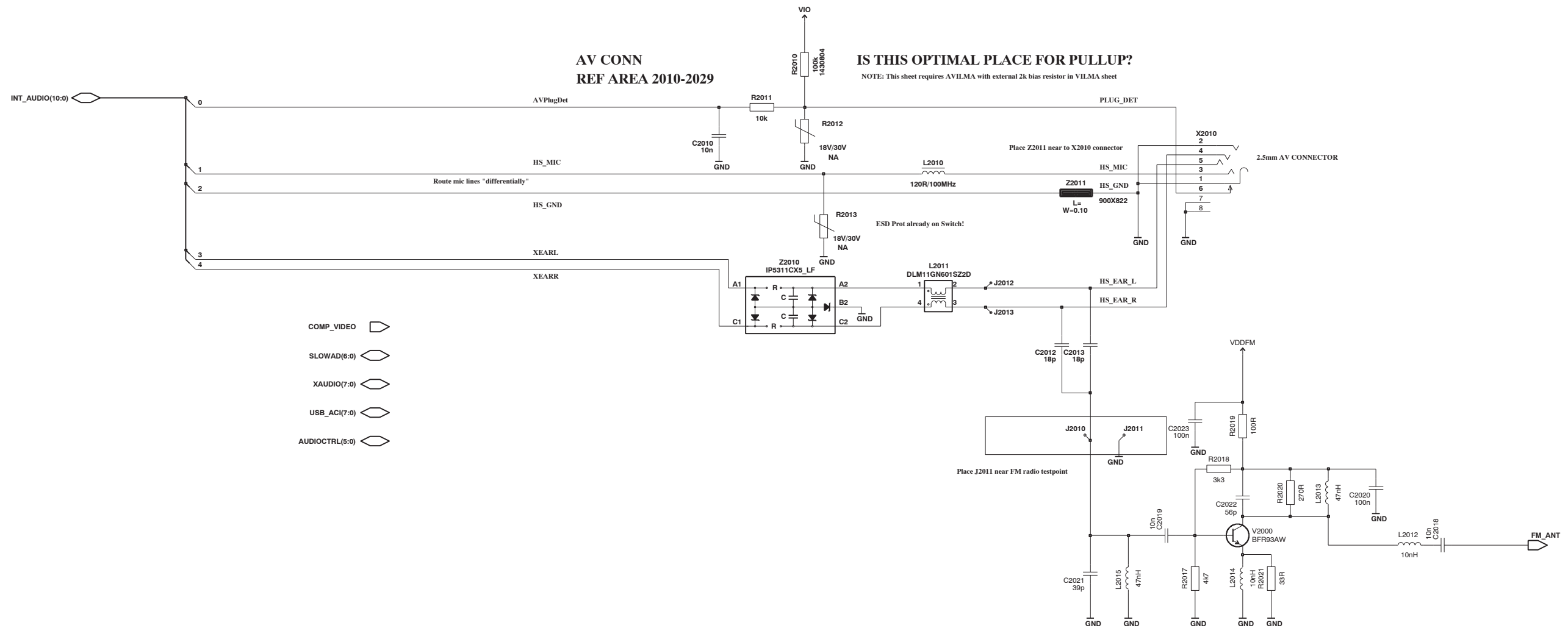
CHARGER
REF AREA 2000-2009



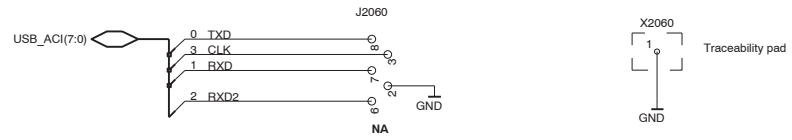
AV CONN
REF AREA 2010-2029

IS THIS OPTIMAL PLACE FOR PULLUP?

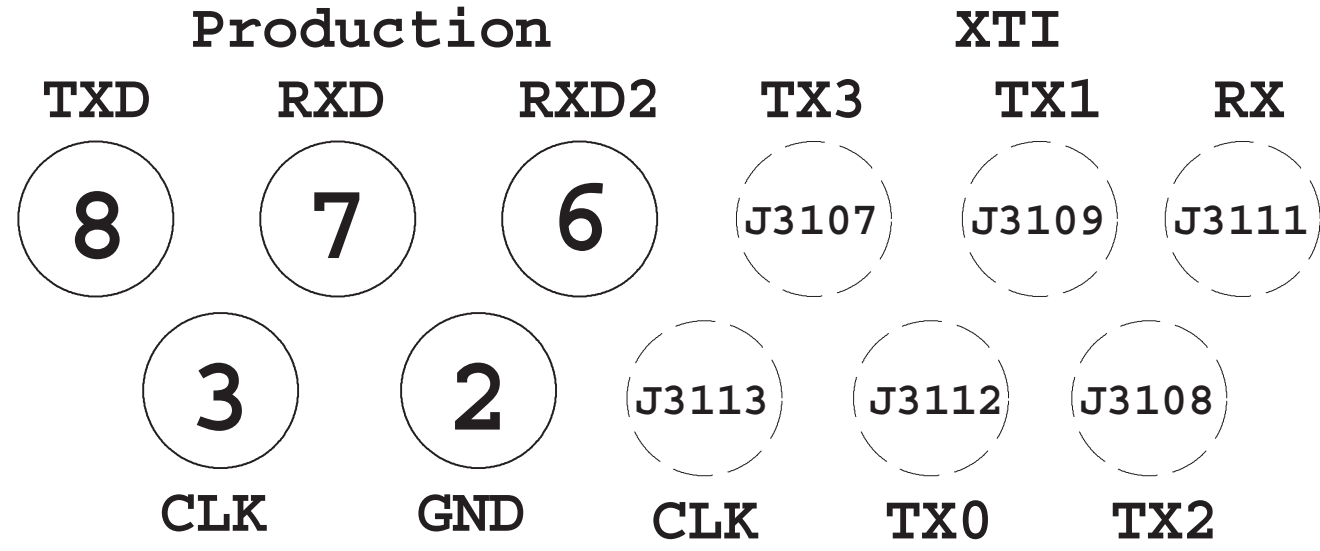
NOTE: This sheet requires AVILMA with external 2k bias resistor in VILMA sheet



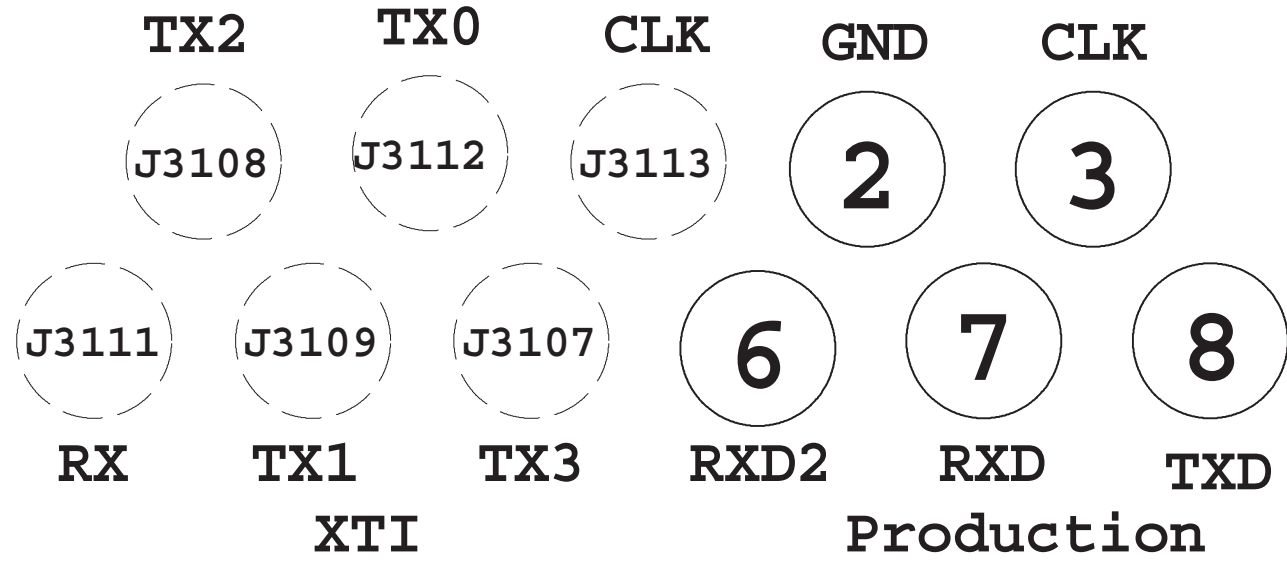
- COMP_VIDEO
- SLOWAD(6:0)
- XAUDIO(7:0)
- USB_AC(7:0)
- AUDIOCTRL(5:0)

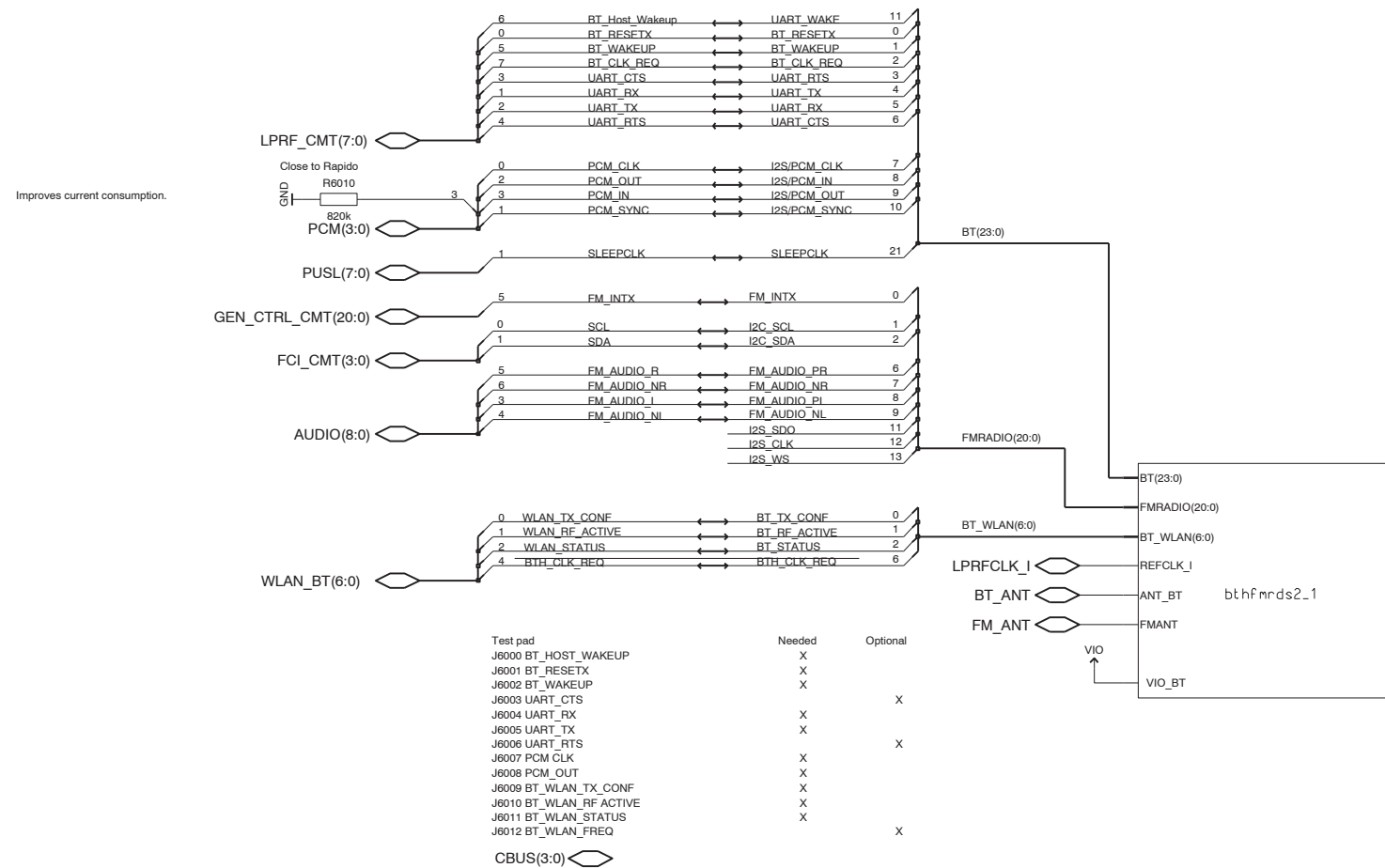


Original version



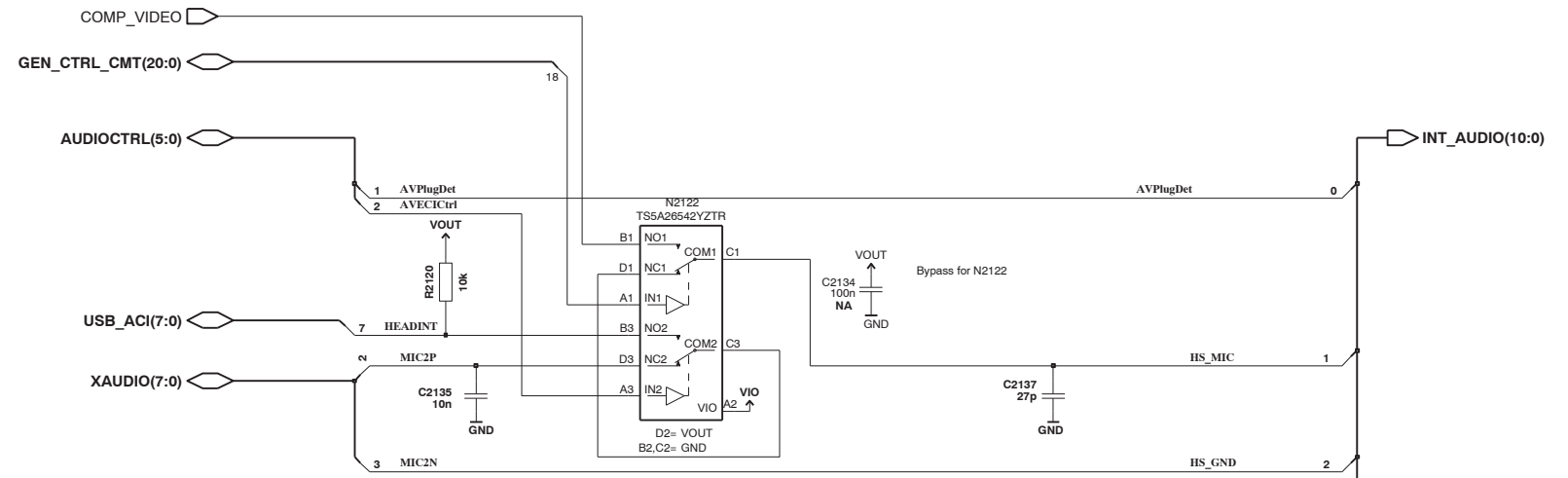
Rotated version





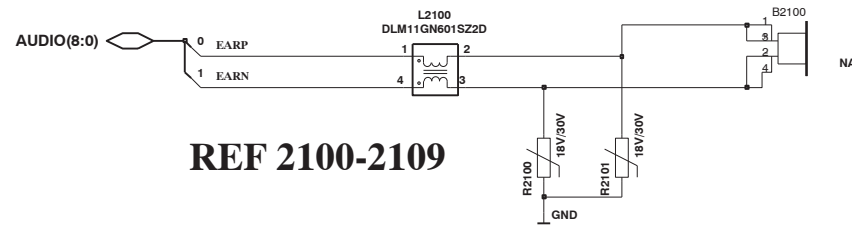
NOTE: This sheet requires AVILMA with external 2k bias resistor in VILMA sheet

AV / MIC / Headint switch



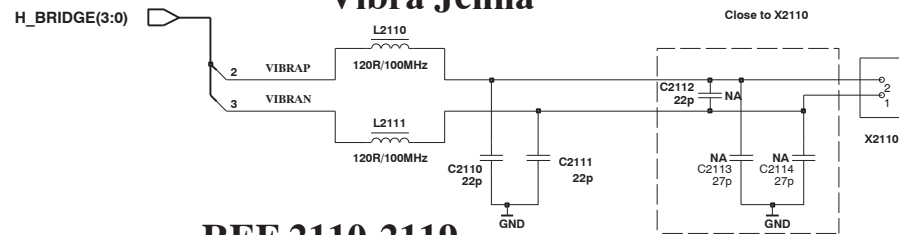
REF 2120-2149

EARP Stout



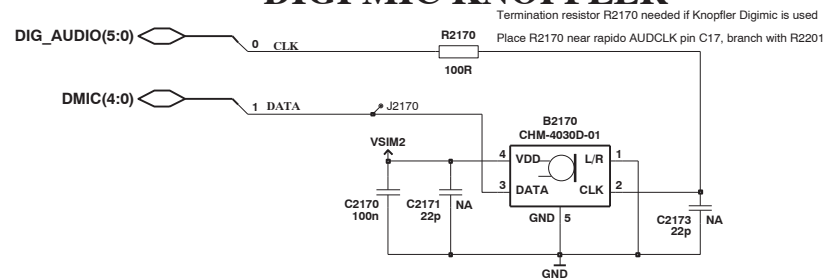
REF 2100-2109

Vibra Jenna



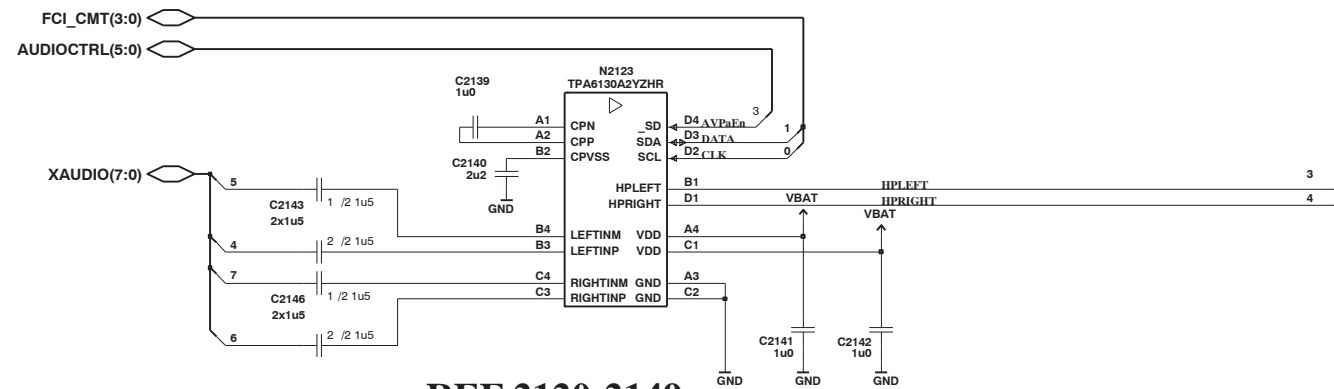
REF 2110-2119

DIGI MIC KNOPFLER



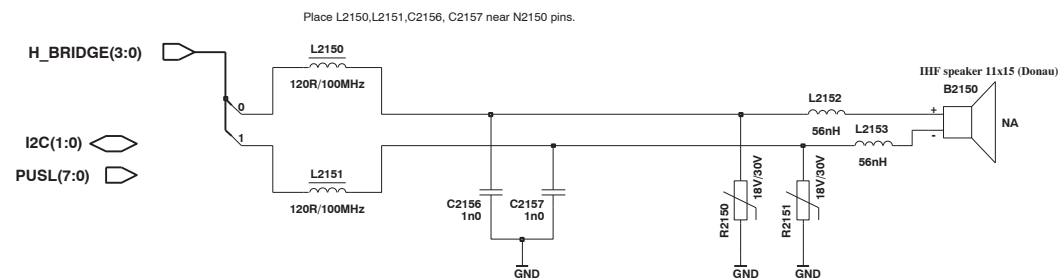
REF 2170-2179

HP Amp TPA6130

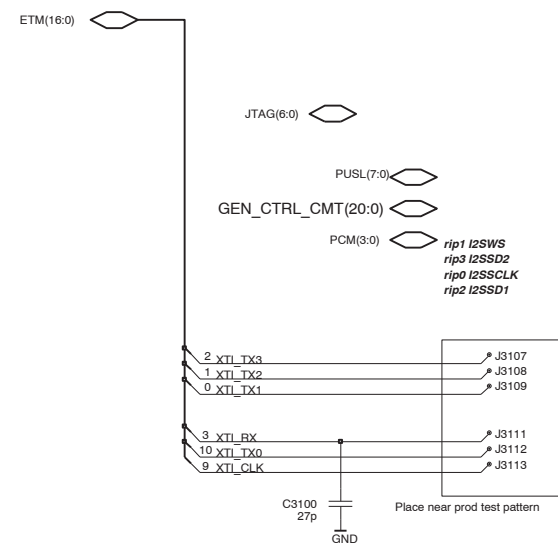


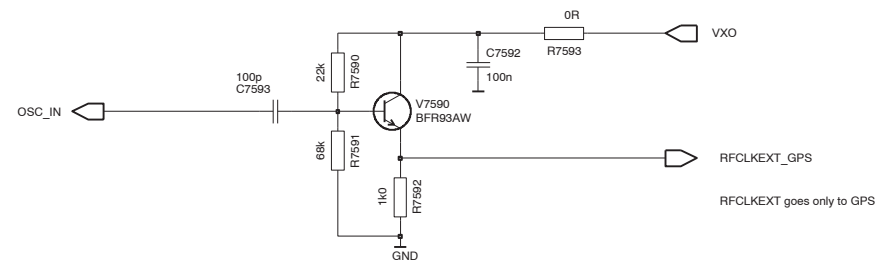
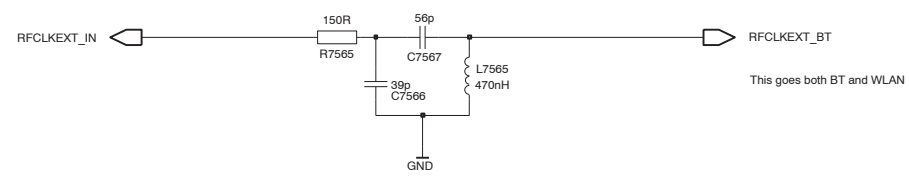
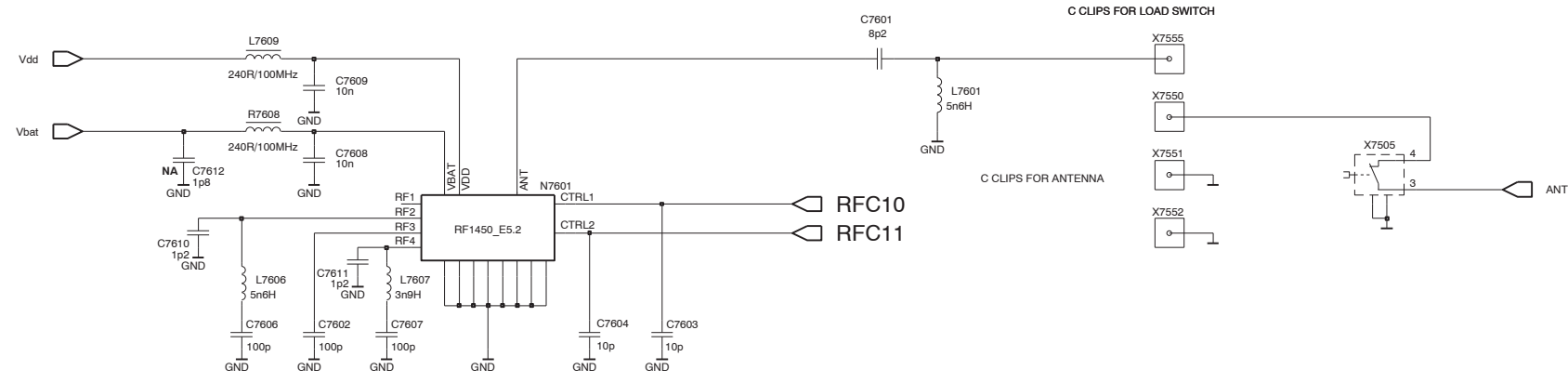
REF 2120-2149

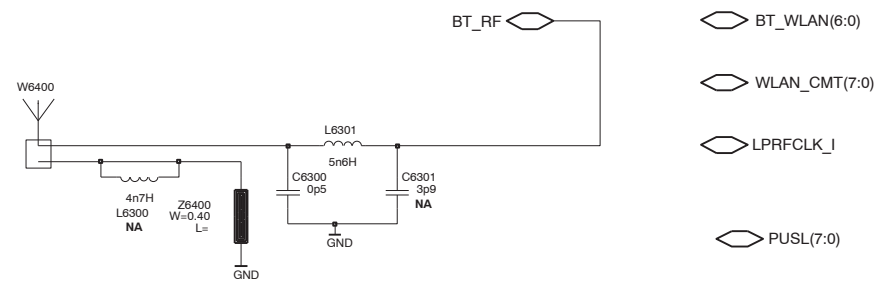
IHF

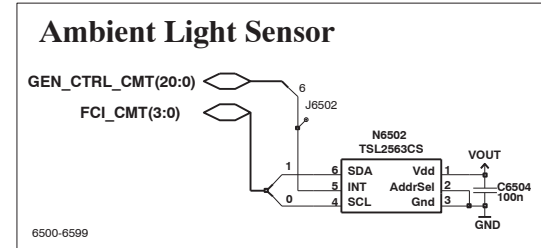
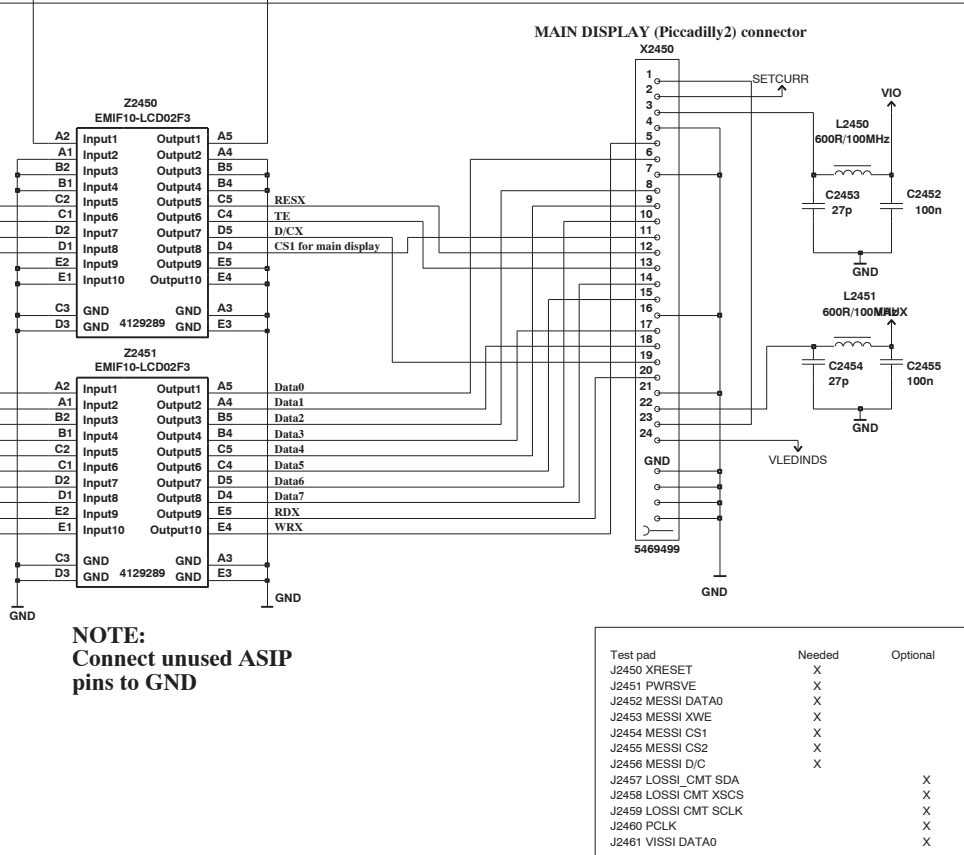
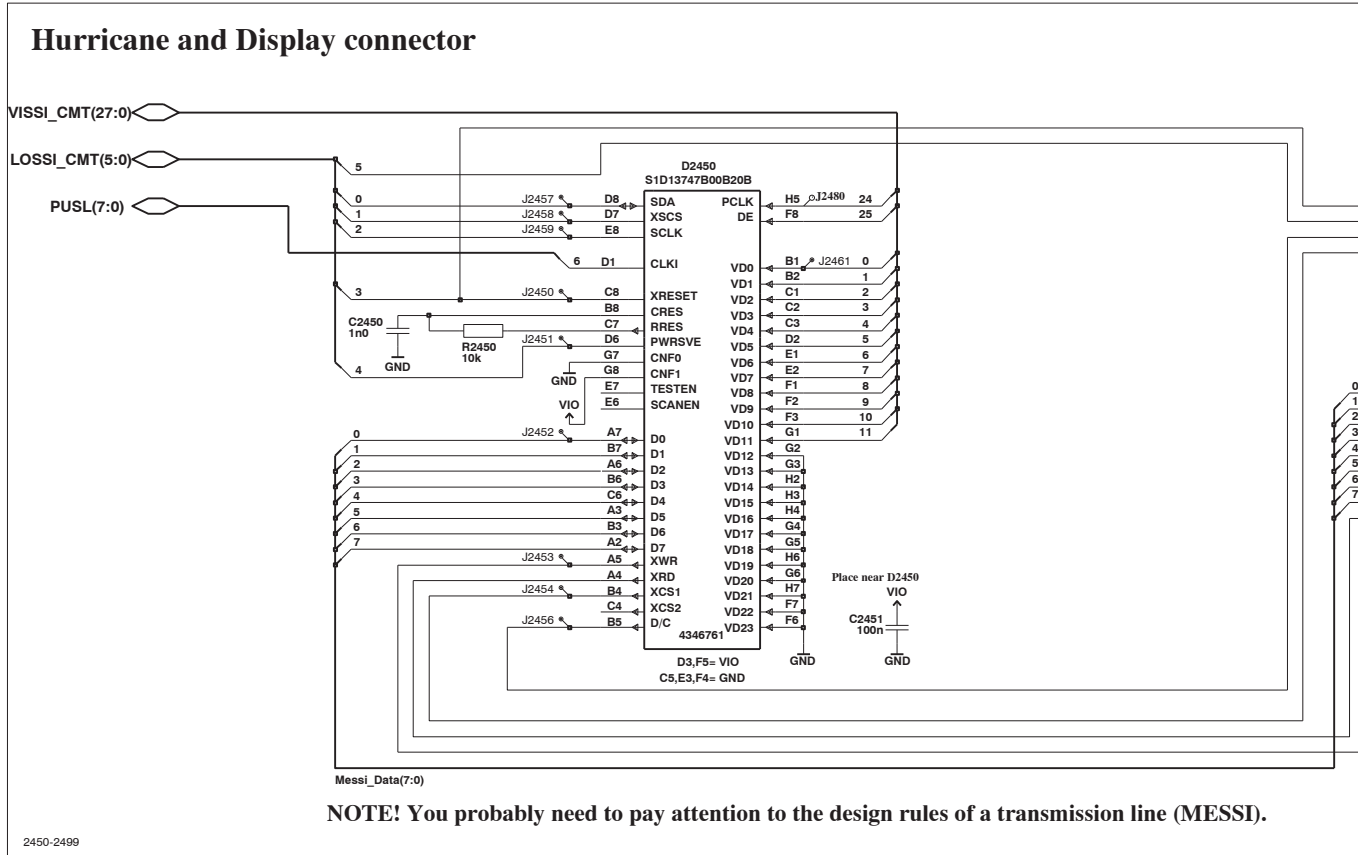
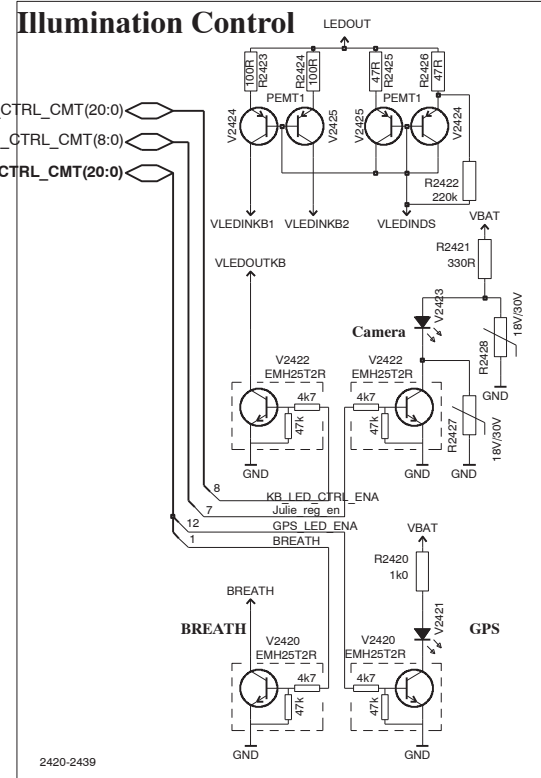
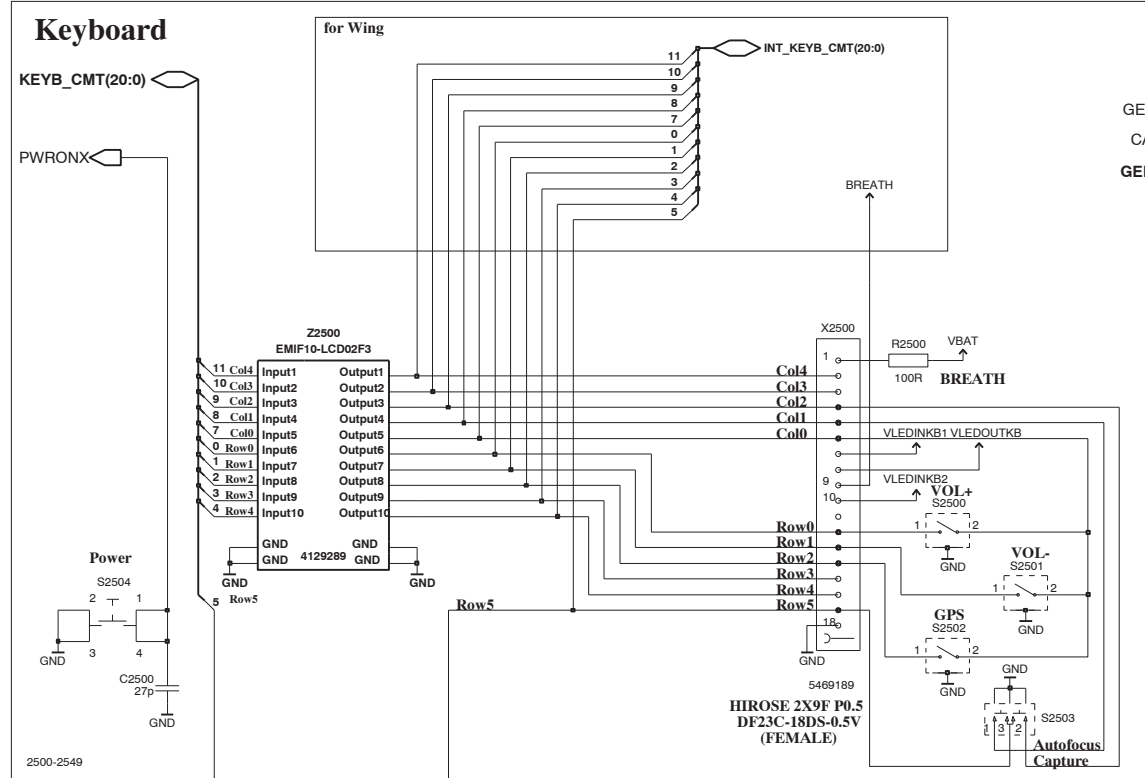
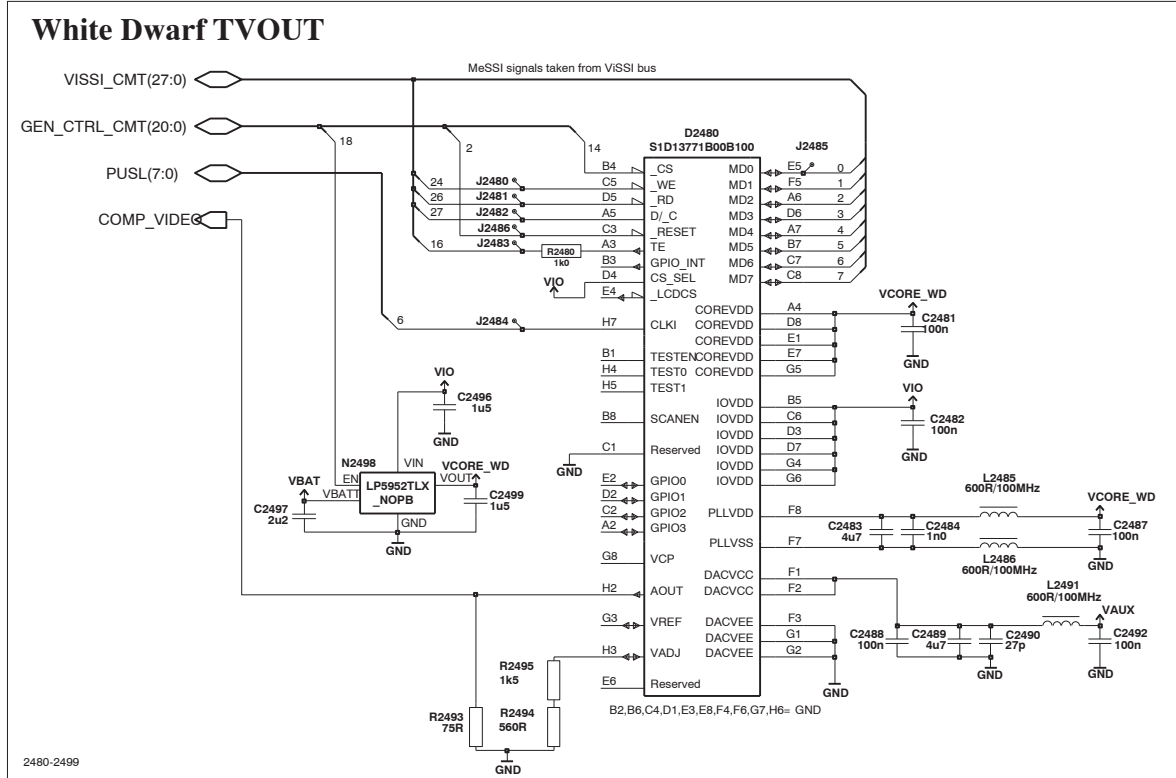


REF 2150-2169



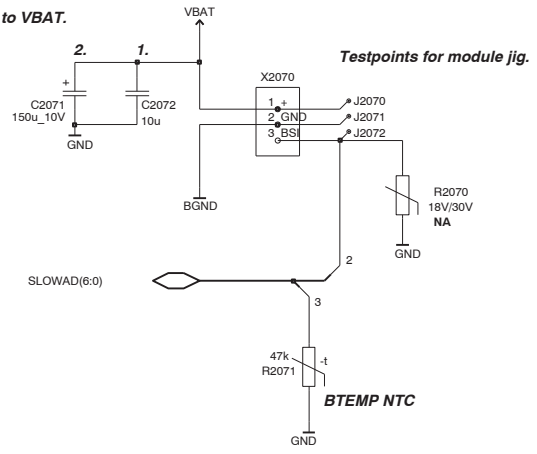




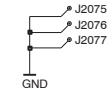


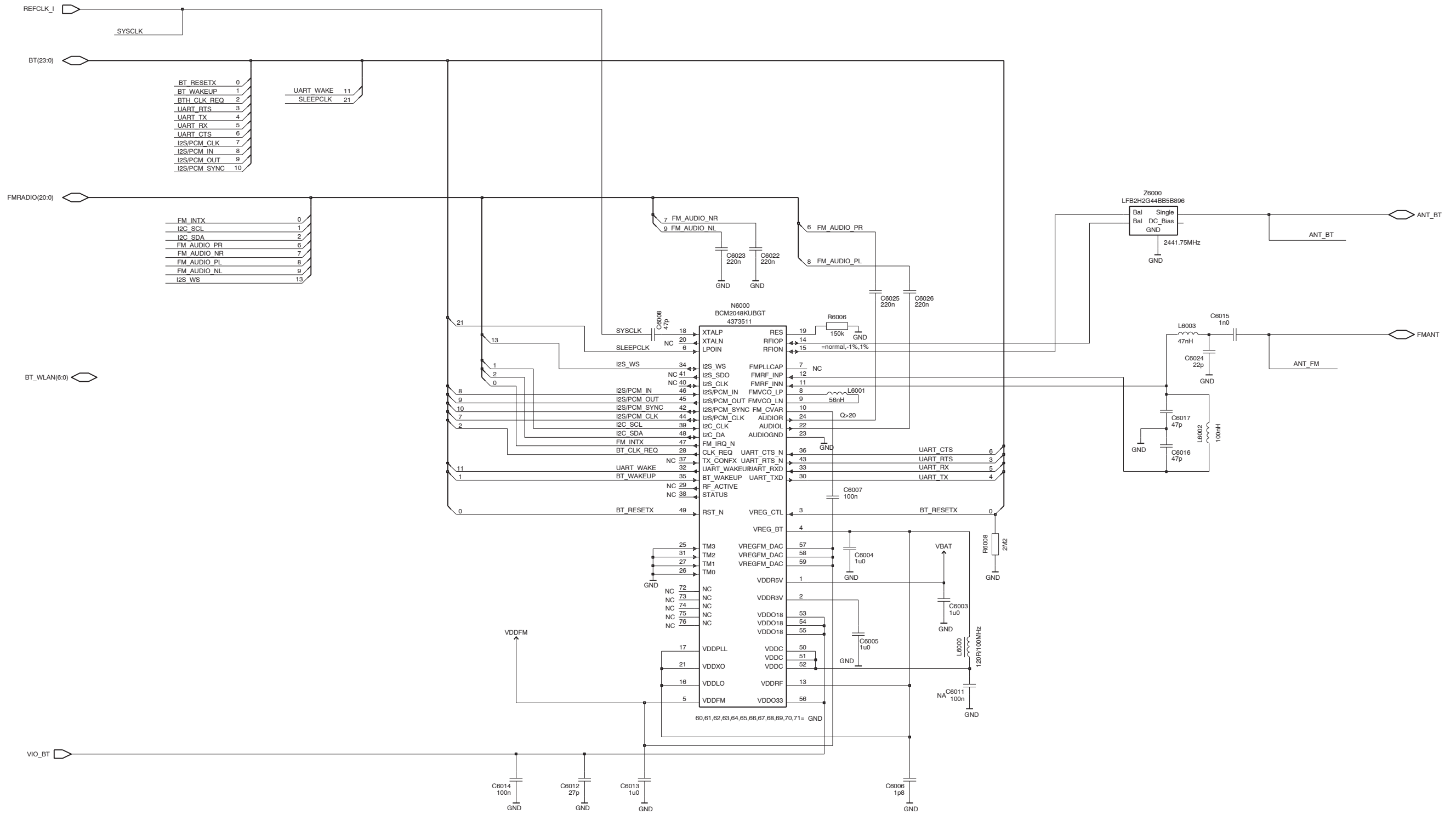
- ◻ SLOWAD(6:0)
- ◻ BETTYIO(3:0)
- ◻ SIM(6:0)
- ◻ MESSI_CMT(25:0)
- ◻ TSL_CMT(2:0)
- ◻ SPI_CMT(5:0)
- ◻ MMC(14:0)
- ◻ I2C(1:0)
- ◻ CAM_CTRL_CMT(8:0)

This order in layout relative to VBAT.



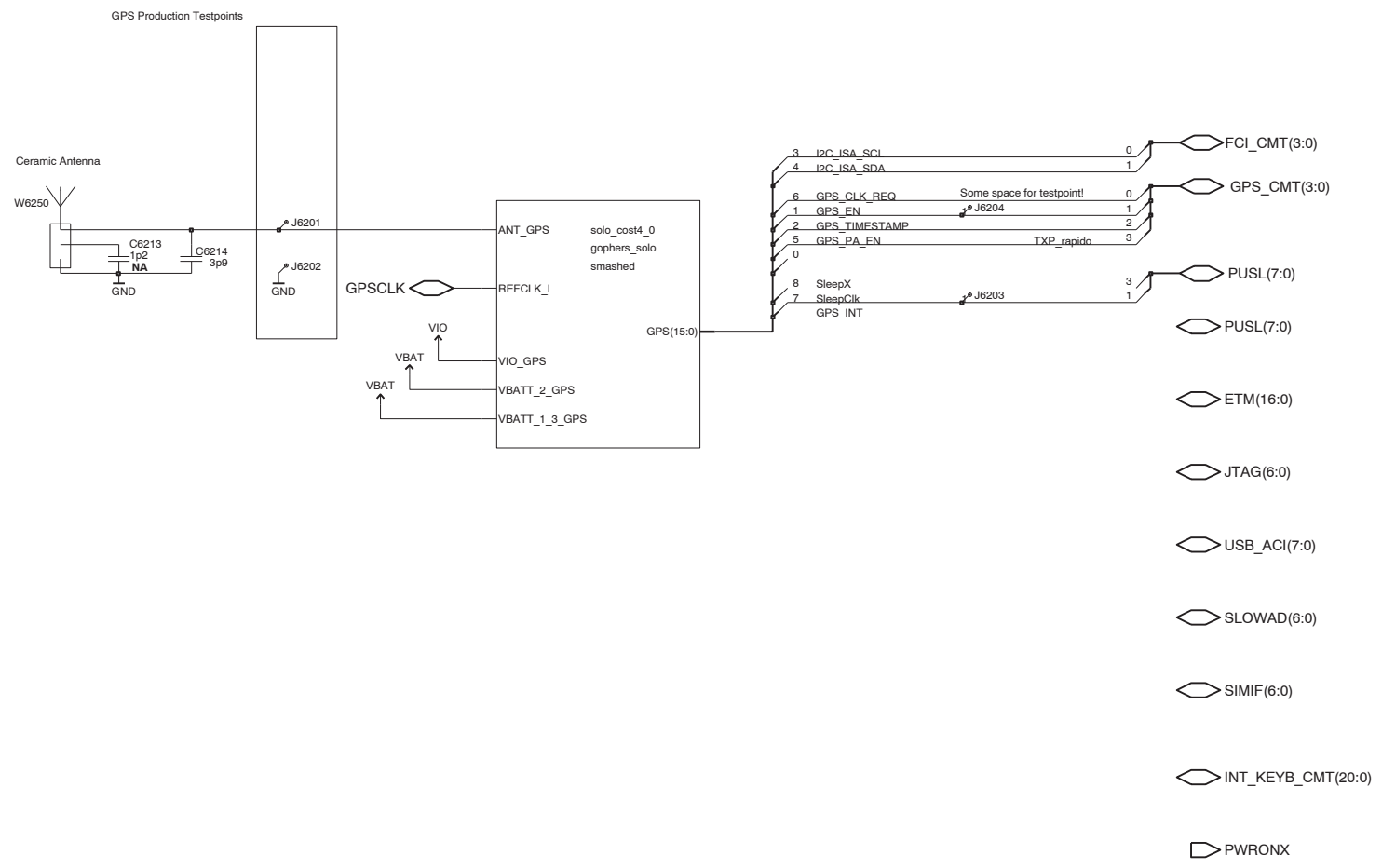
For battery cover grounding

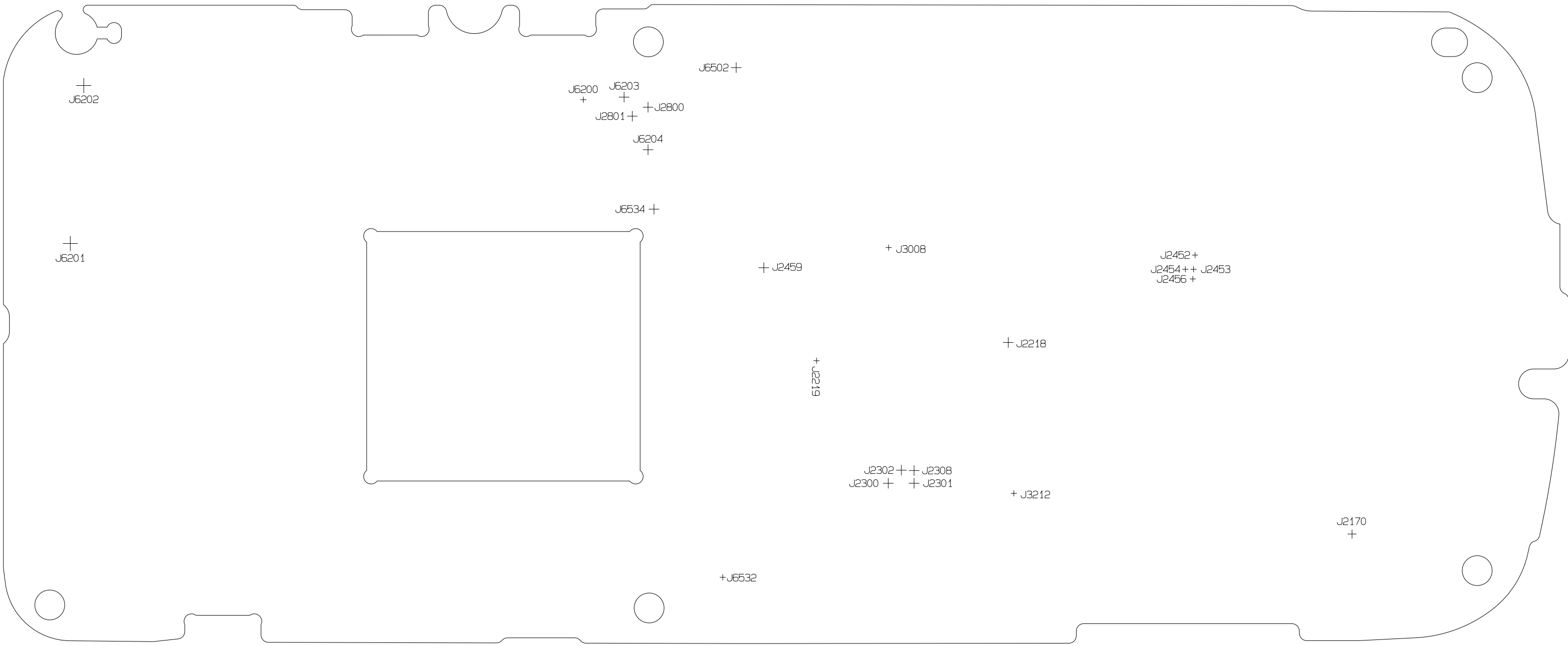


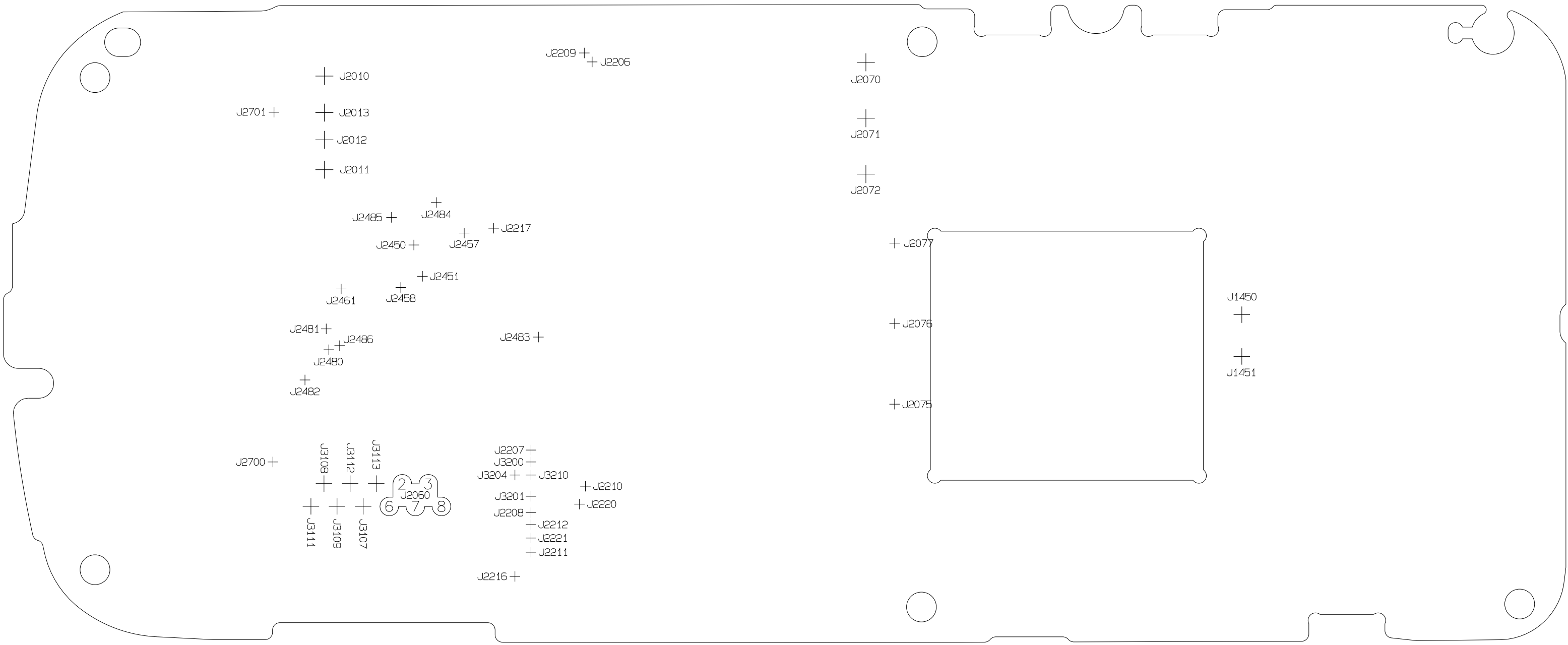


Notes.

- 1) 3k3 Pull-up Resistors are required on I2C_SCL & I2C_SDA
- 2) Additional test components fo phone wing boards are given in BTHfmrds2.0_Test Schematic
- 3) E6033 will be used in future release for 1.8V operation.
- 4) A pull down is required on the CLK_REQ signal (see release note).

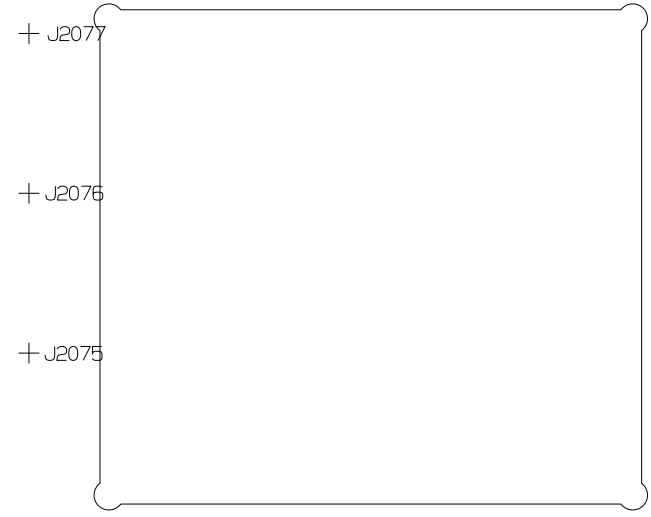






J2209 + J2206
 + J2010
 J2701 + + J2013
 + J2012
 + J2011
 J2485 + J2484 +
 J2450 + J2457 + J2217
 + J2451
 J2461 + J2458 +
 J2481 + J2486 + J2483 +
 + J2480
 + J2482
 J2700 + J3108 + J3112 + J3113 +
 + J3109 + J3107 + J2060
 + J3111
 J2207 + J3200 + J3204 + J3210 + J2210
 + J2201 + J2208 + J2212 + J2221 + J2211
 + J2216

+ J2070
 + J2071
 + J2072



J1450 +
 + J1451

