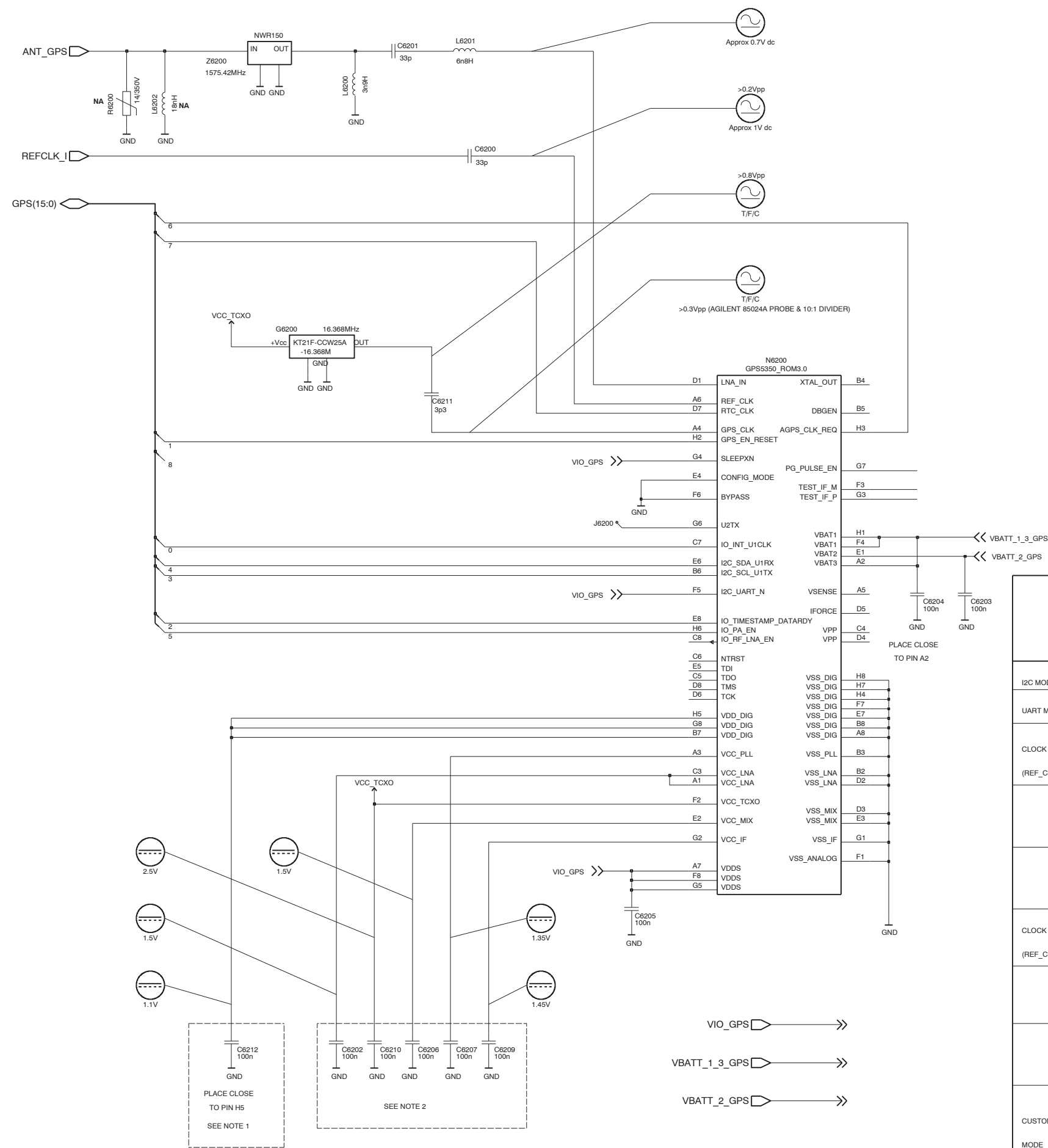


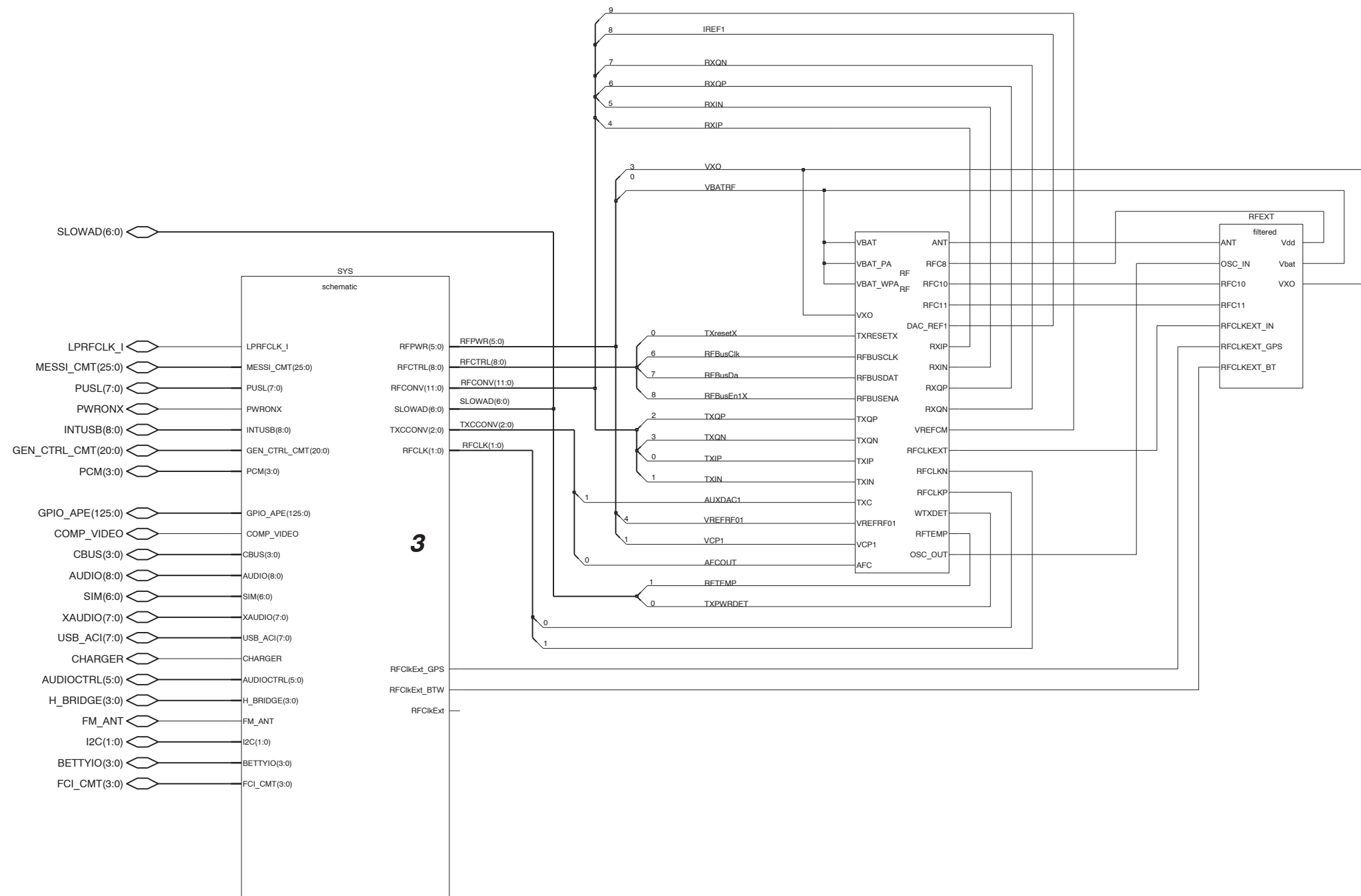


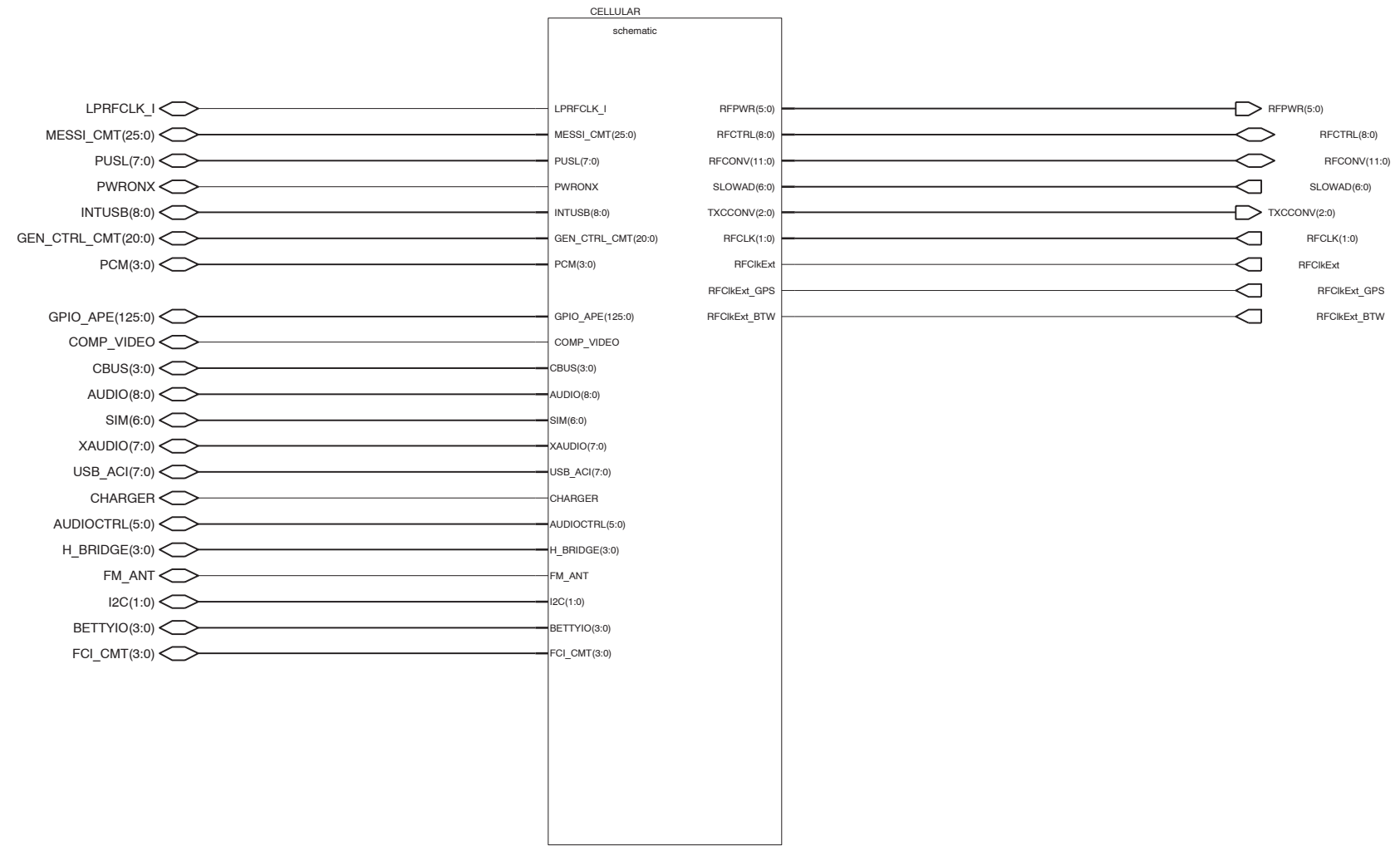
GPS COST 4.0 A1.0 2006 WK44 RELEASE

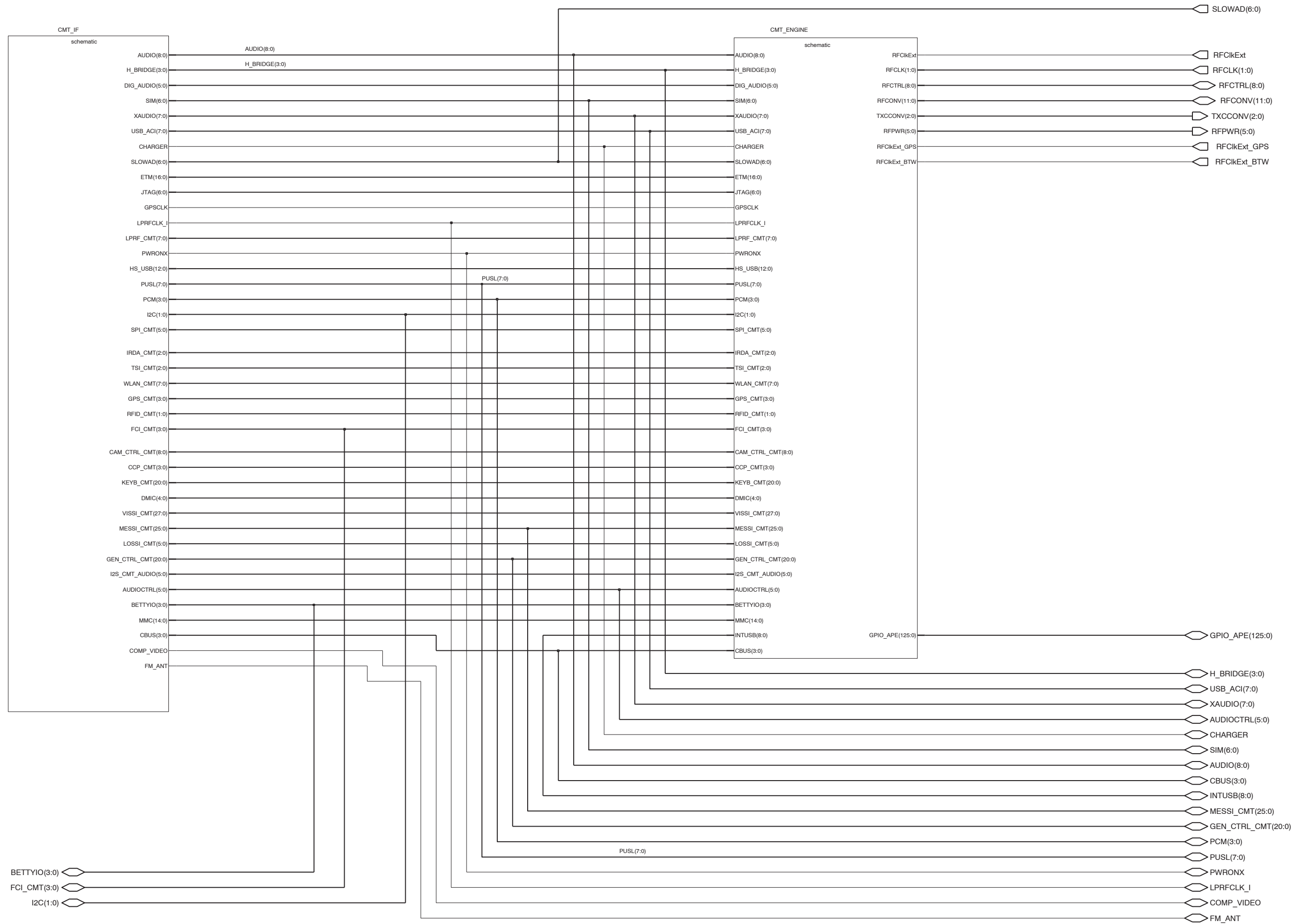
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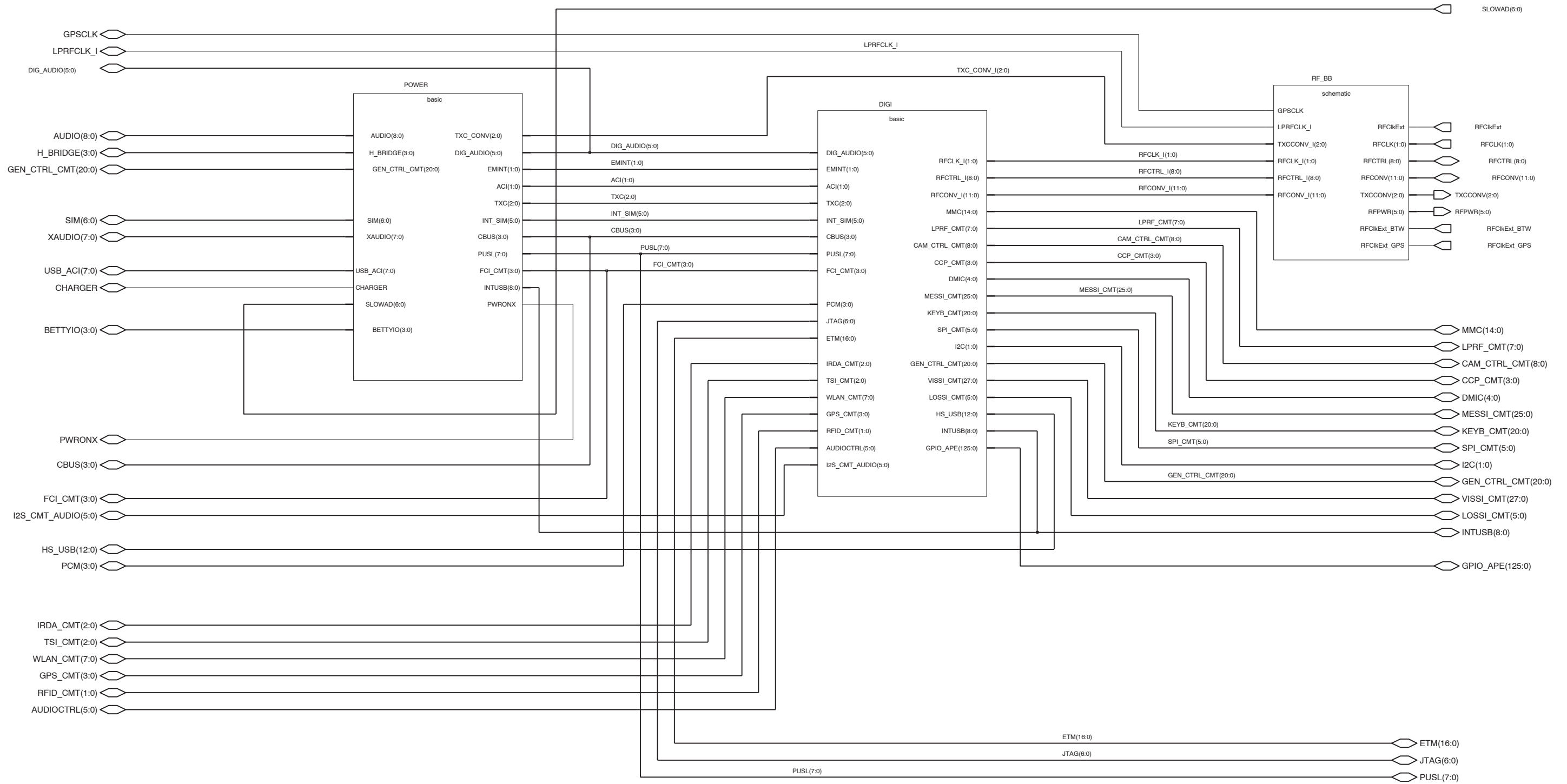
- 1) TRACK INDUCTANCE FROM VDD_DIG, N6200-H5 TO C6212 MUST BE 1nH MAX.
- 2) TRACK INDUCTANCE FROM VDD_XXX, N6200 TO DECOUPLING CAPS MUST BE 1nH MAX.

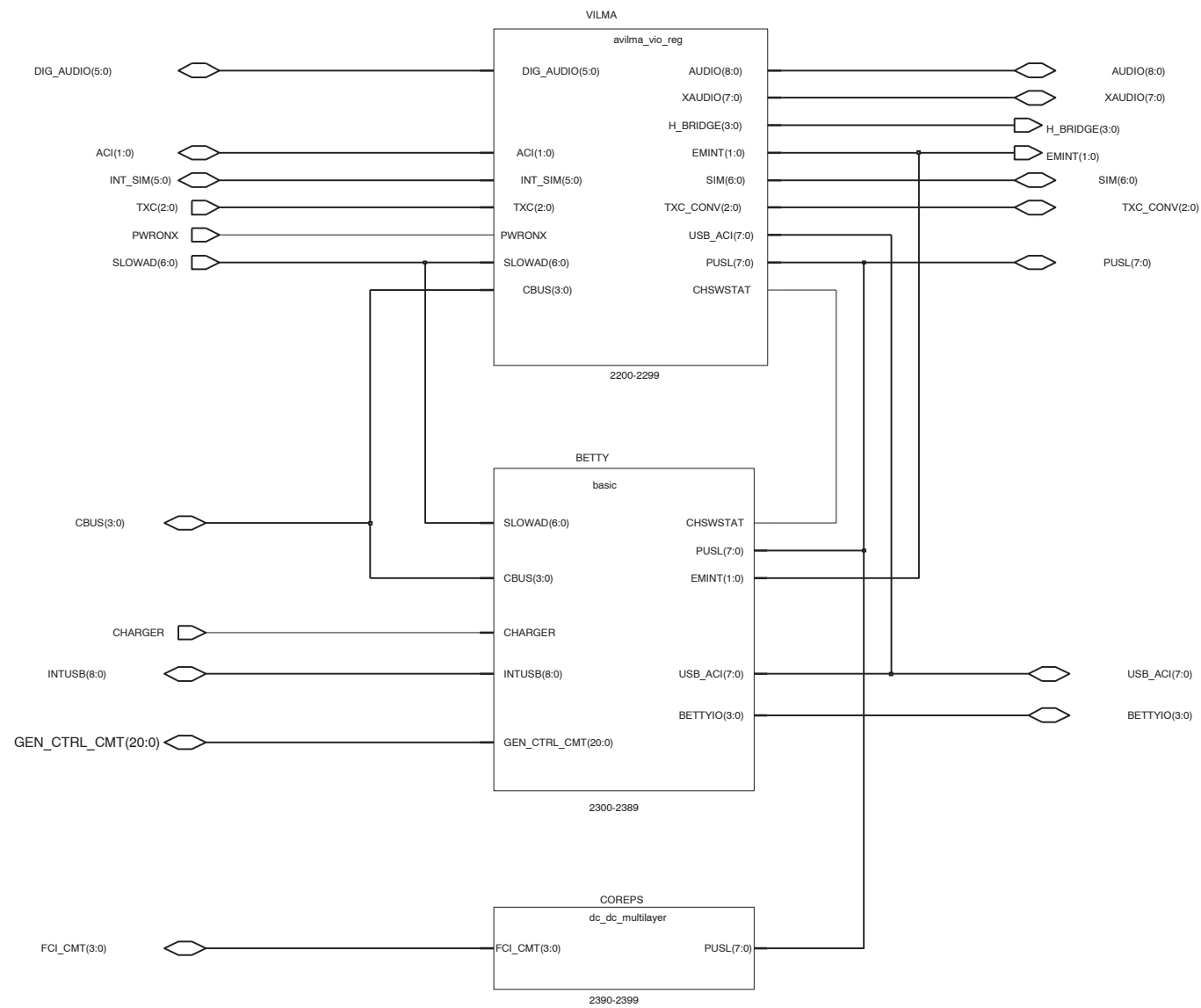
MODE	CONNECT N6200 (PIN)	TO
I2C MODE	I2C_UART_N	VIO_GPS
UART MODE	I2C_UART_N	GND
CLOCK CONFIG MODE 4+ (REF_CLK IS NEEDED)	CONFIG_MODE	GND
CLOCK SLICER ENABLED MODE [REF_CLK IS ANALOG]	BYPASS	GND
CLOCK SLICER BYPASSED MODE [REF_CLK IS DIGITAL]	BYPASS	VIO_GPS
CLOCK CONFIG MODE 1 (REF_CLK IS NEEDED)	CONFIG_MODE	VIO_GPS
CLOCK SLICER ENABLED MODE [REF_CLK IS ANALOG]	BYPASS	GND
CLOCK SLICER BYPASSED MODE [REF_CLK IS DIGITAL]	BYPASS	VIO_GPS
CUSTOMERS NOT USING PA BLANKING MODE	IO_PA_EN	GND (PREVENTS FLOATING INPUT)

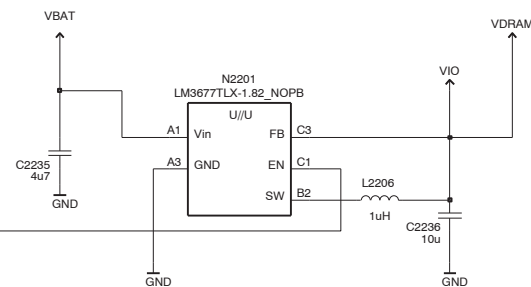
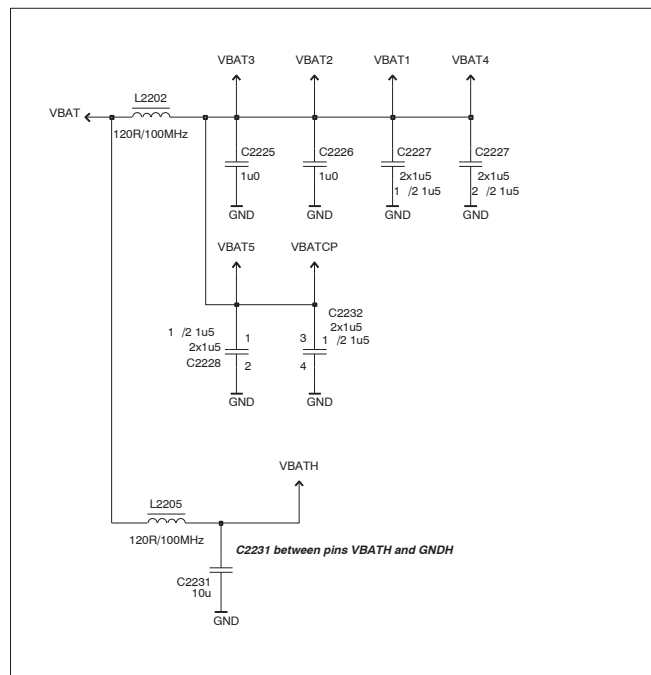
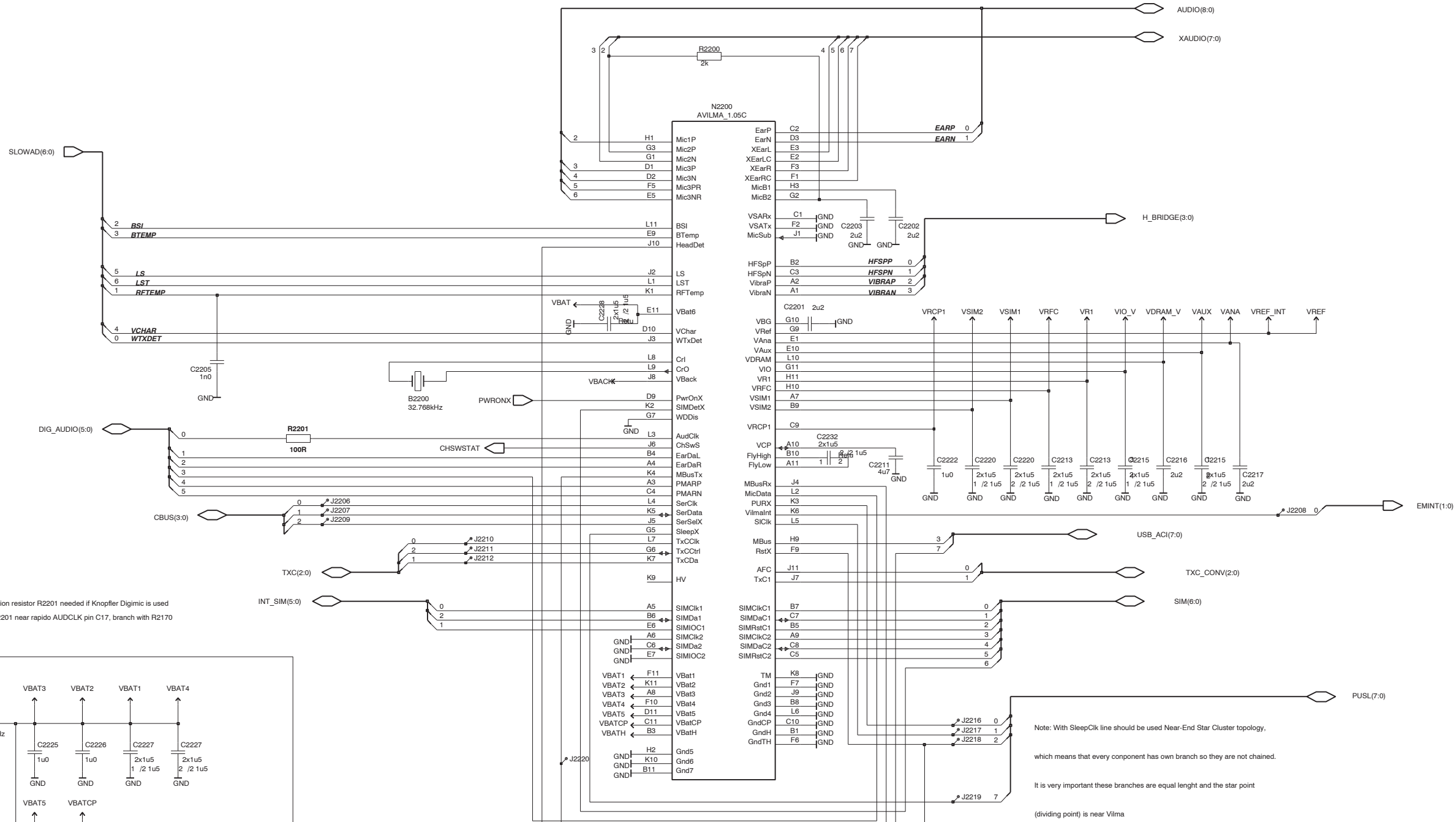


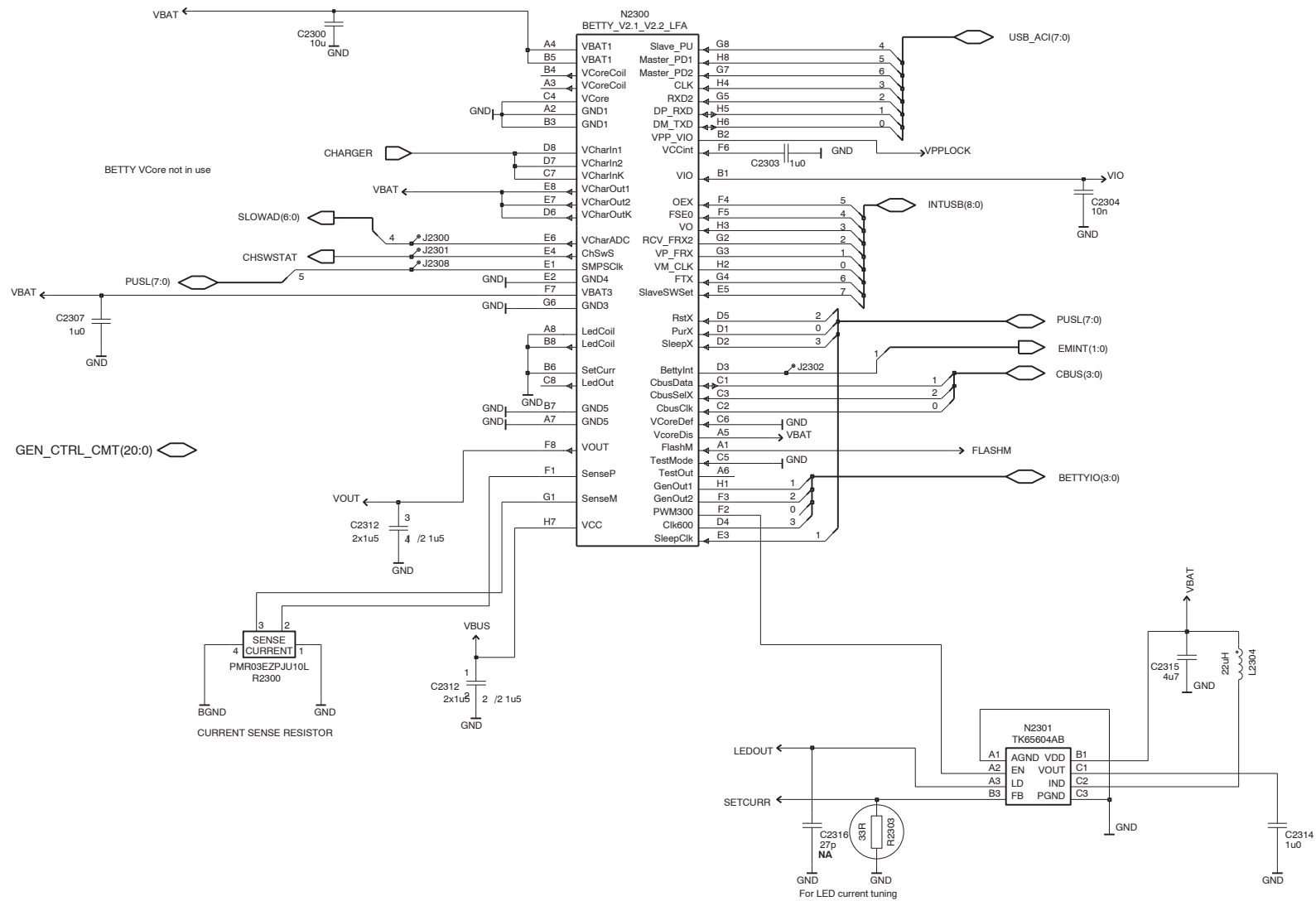




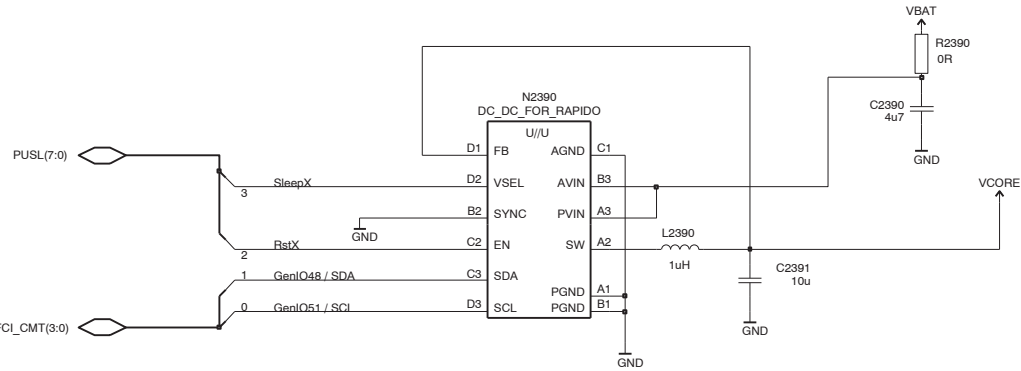


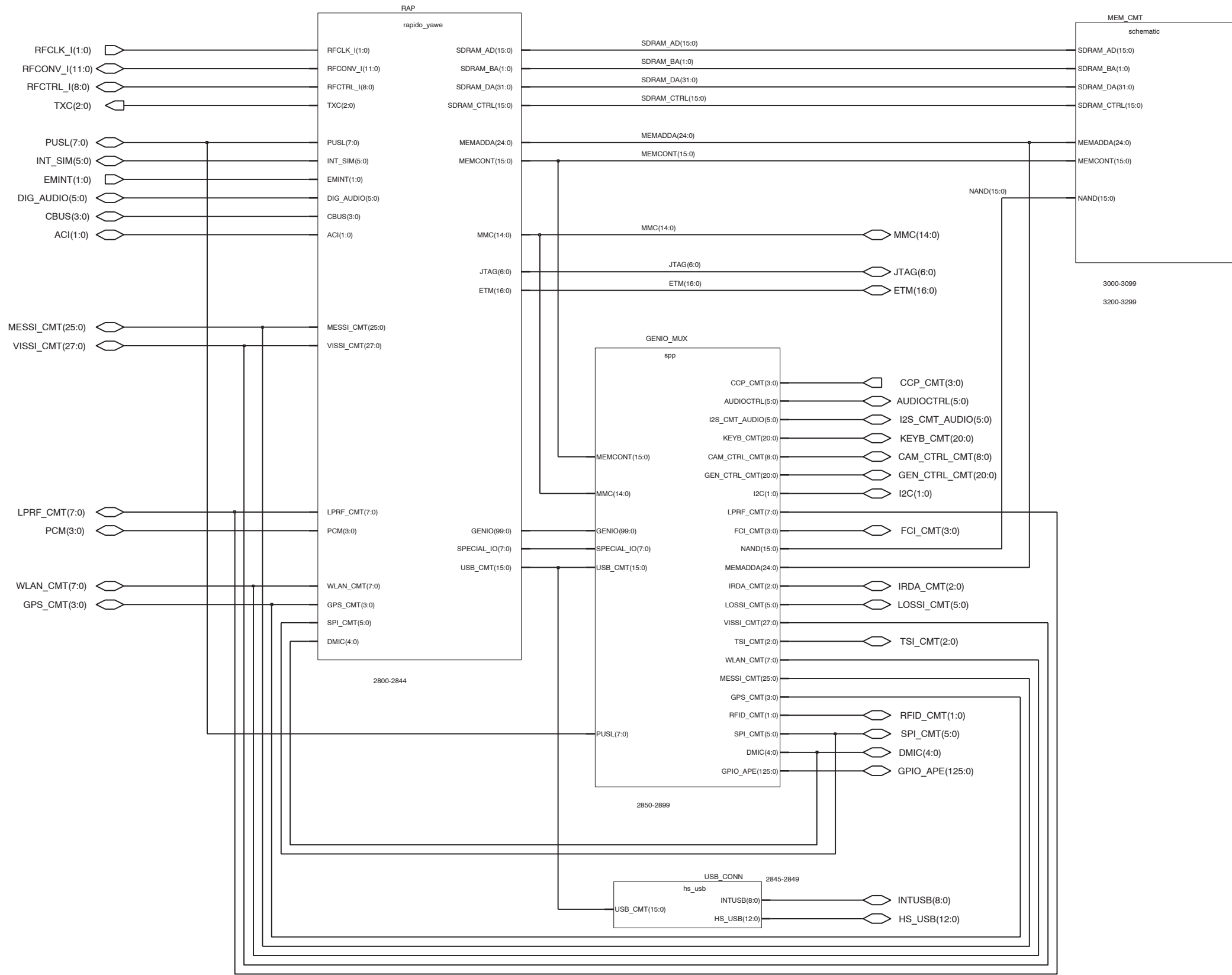


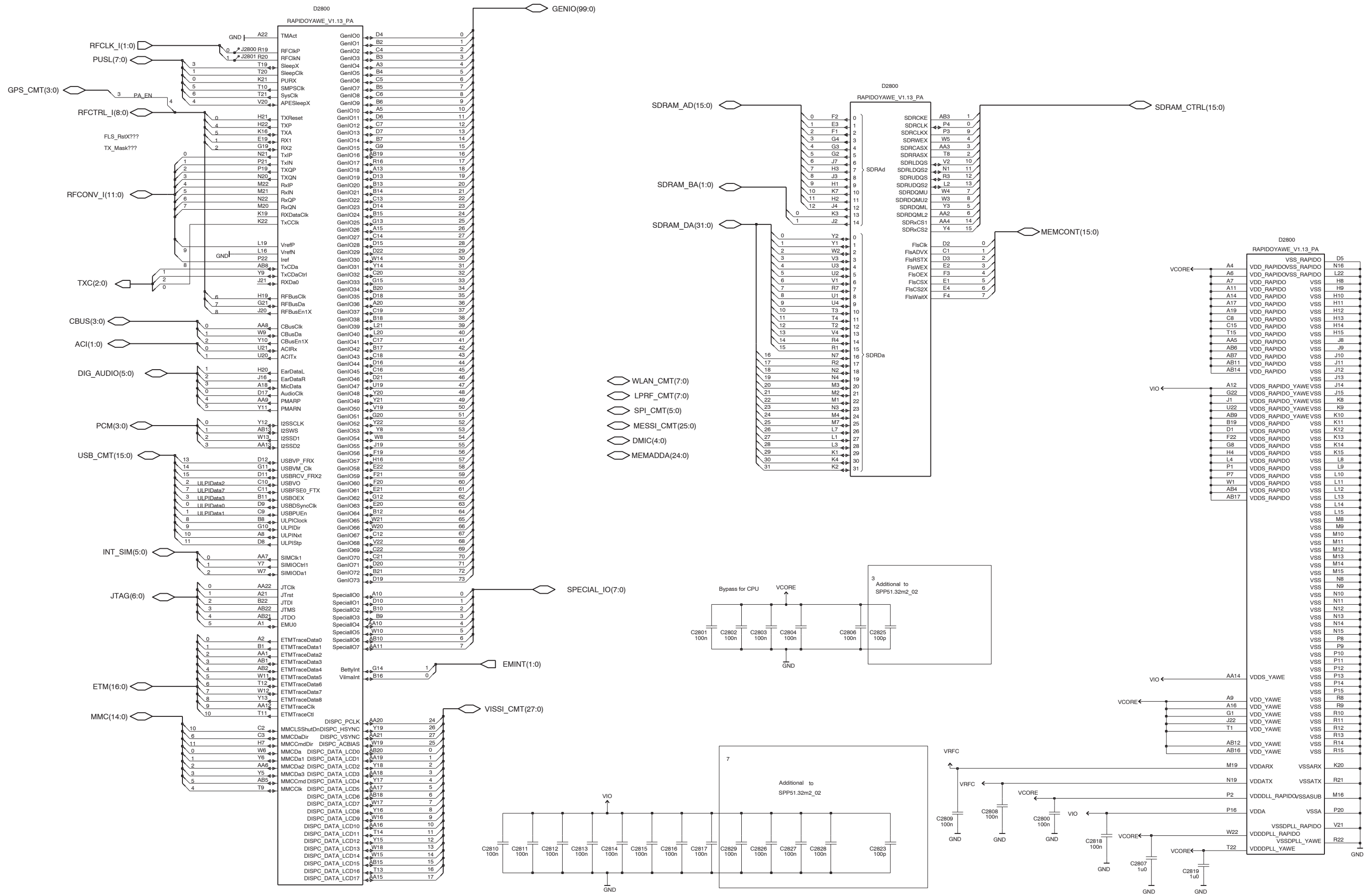




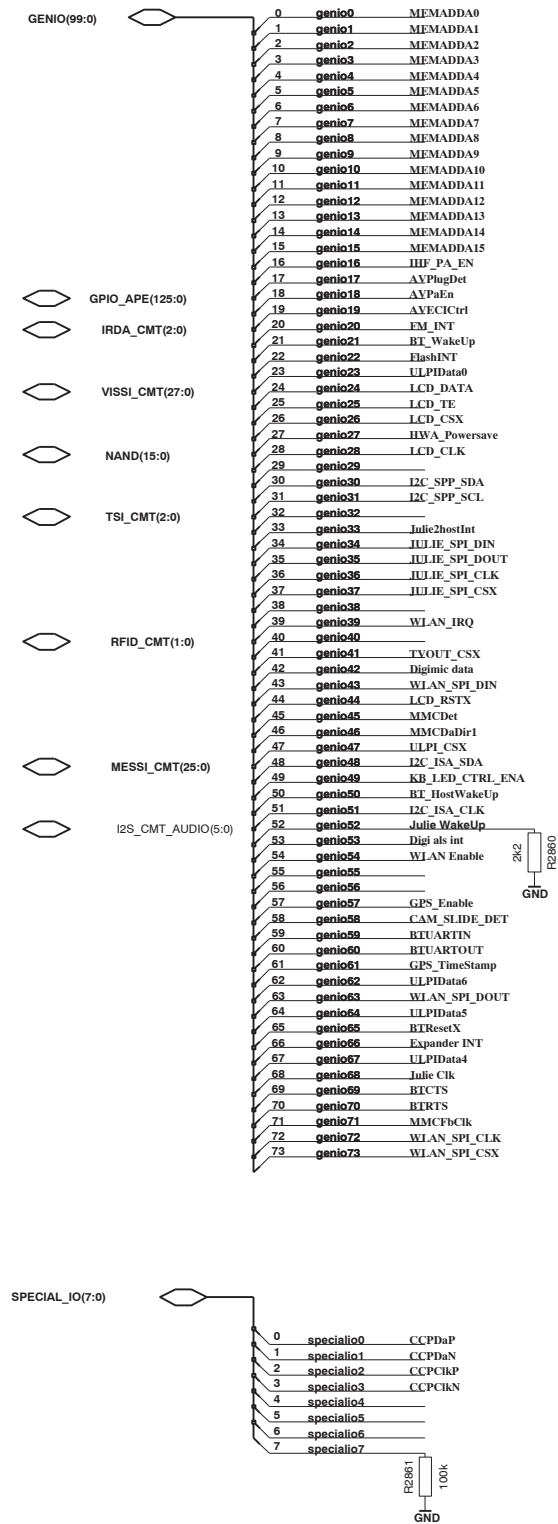
NOTE! SDA and SCL lines should include 10-47kOhm pull up resistors. Resistors value is dependent on number of I2C slaves





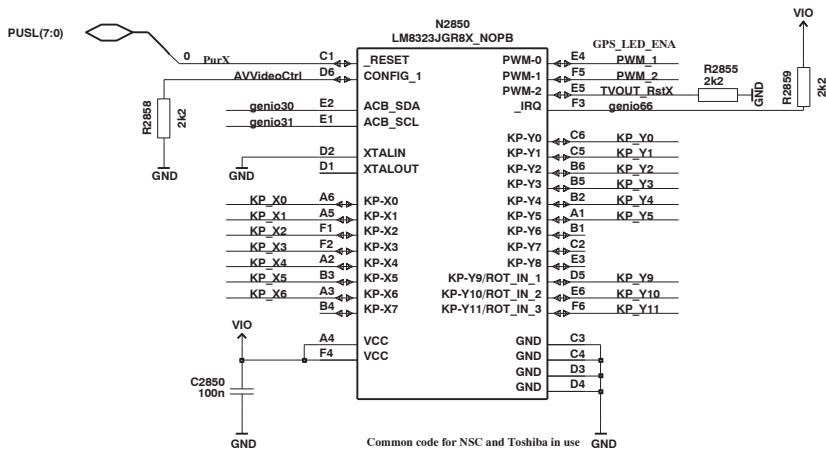


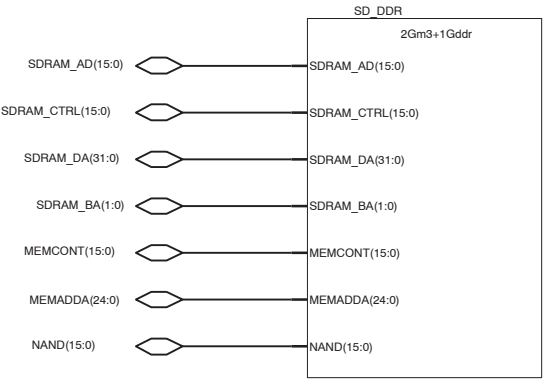
Signal names are only comment text!

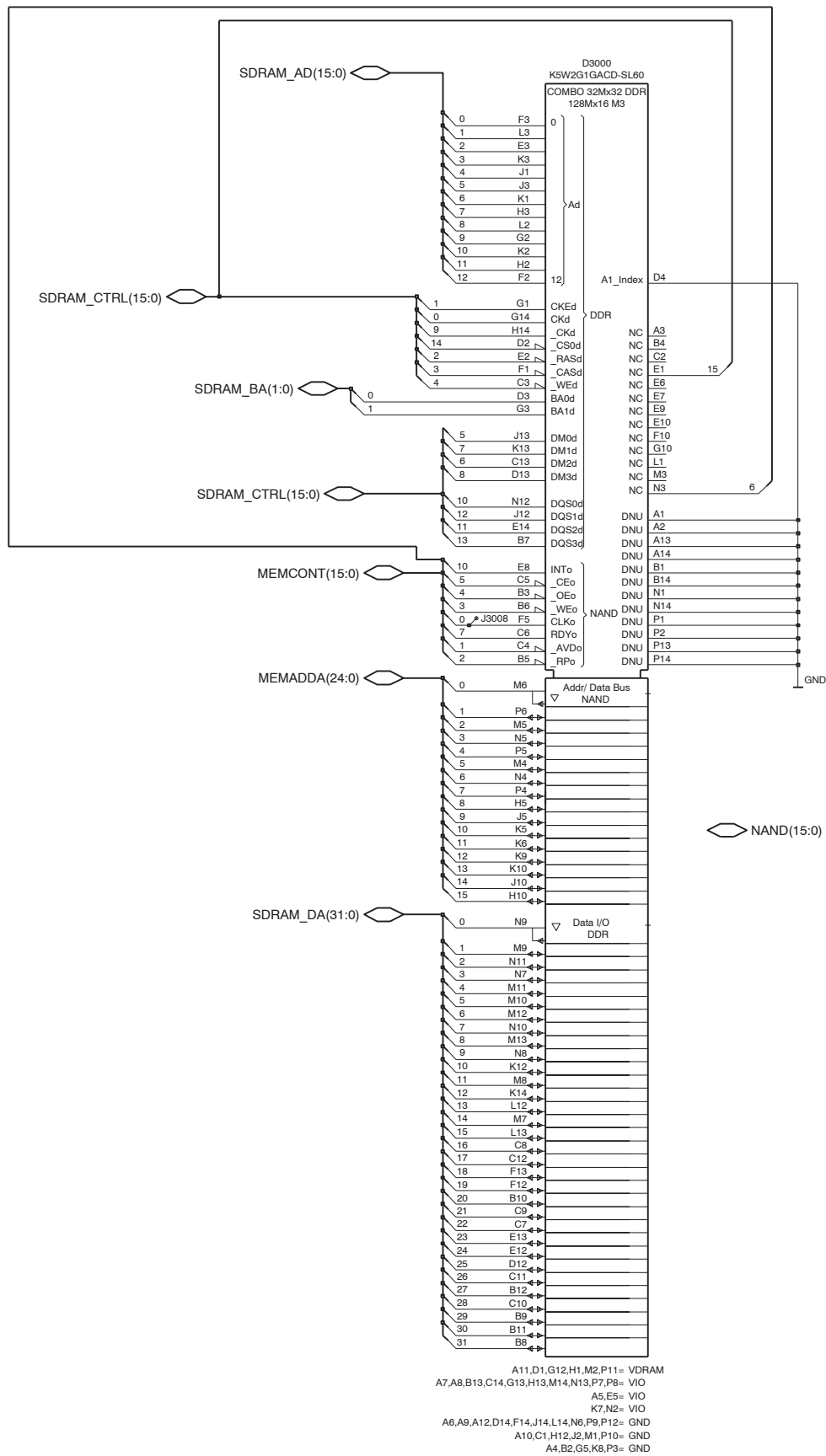
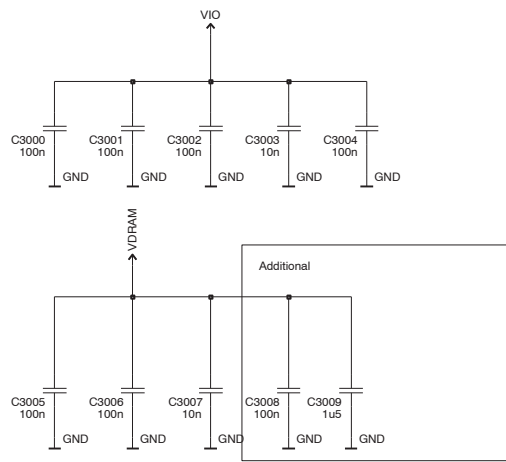


NOTE! SDA and SCL lines should include 10-47kOhm pull up resistors.
Resistors value is dependent on number of I2C slaves

I/O EXPANDER





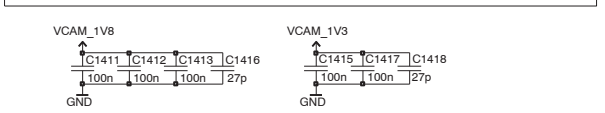
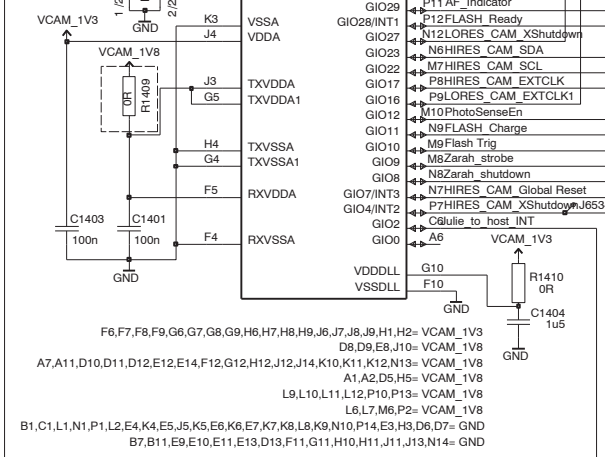
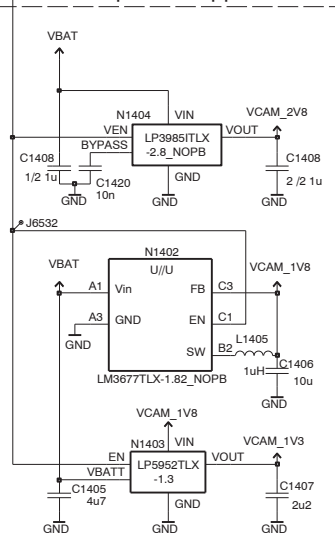


JULIE (128Mbit stacked) 1400-1449

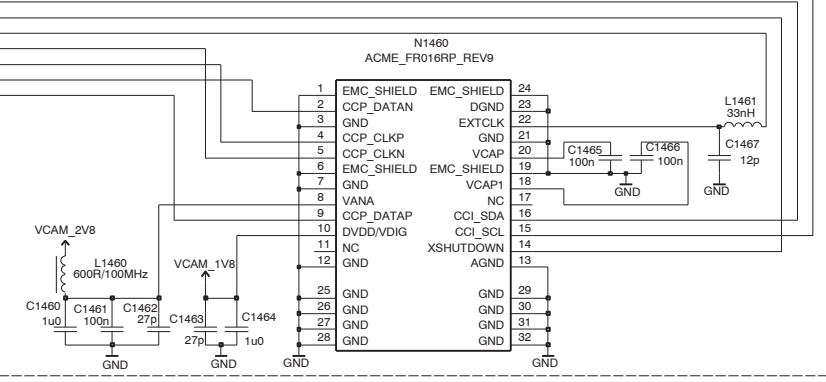
CAM_CTRL_CMT(8:0)

4 Julie Reset
0 JulieClk
2 Julie wakeup
1 Julie 2 host_INT
7 JulieReg en

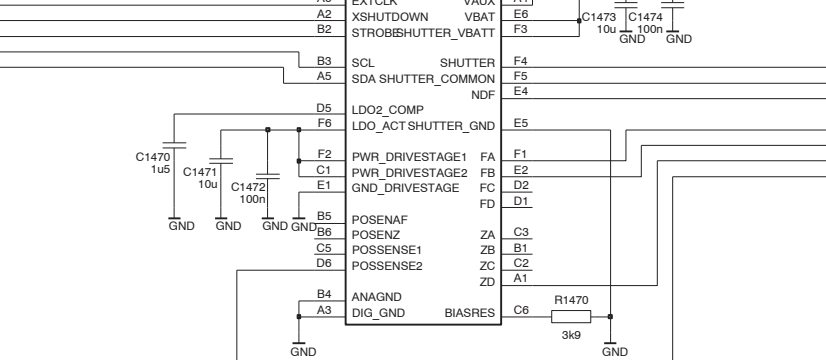
CAMERA power supplies



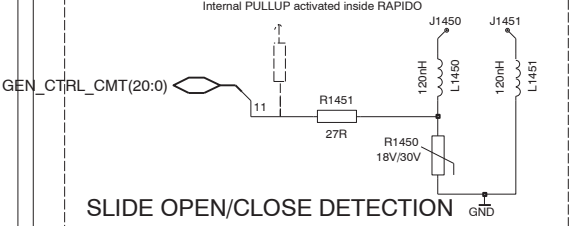
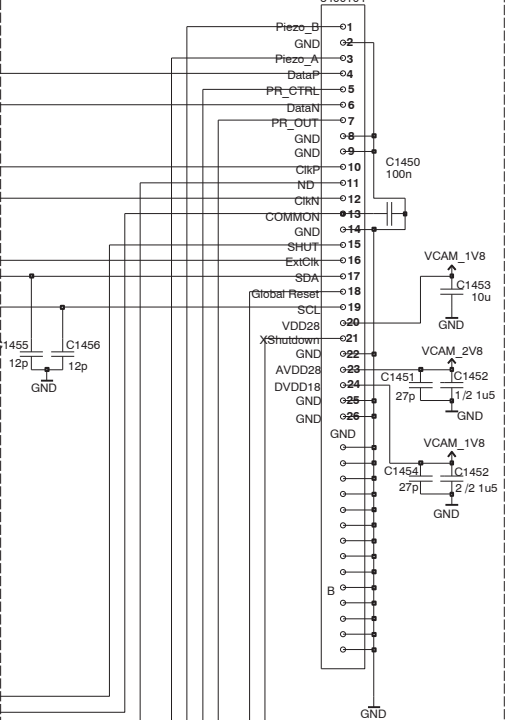
ACME CAMERA 1460-1469



ZARAH AF DRIVER 1470-1479

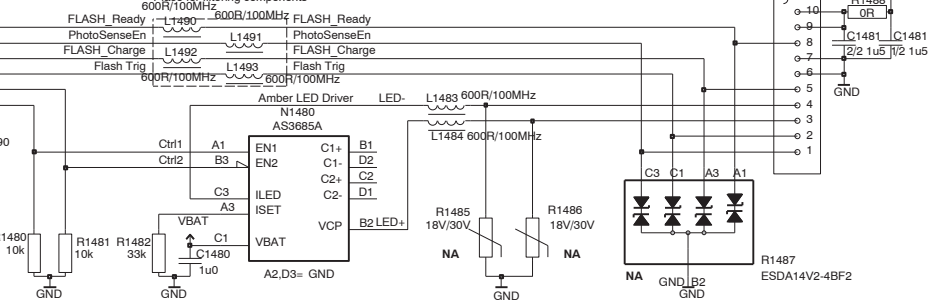


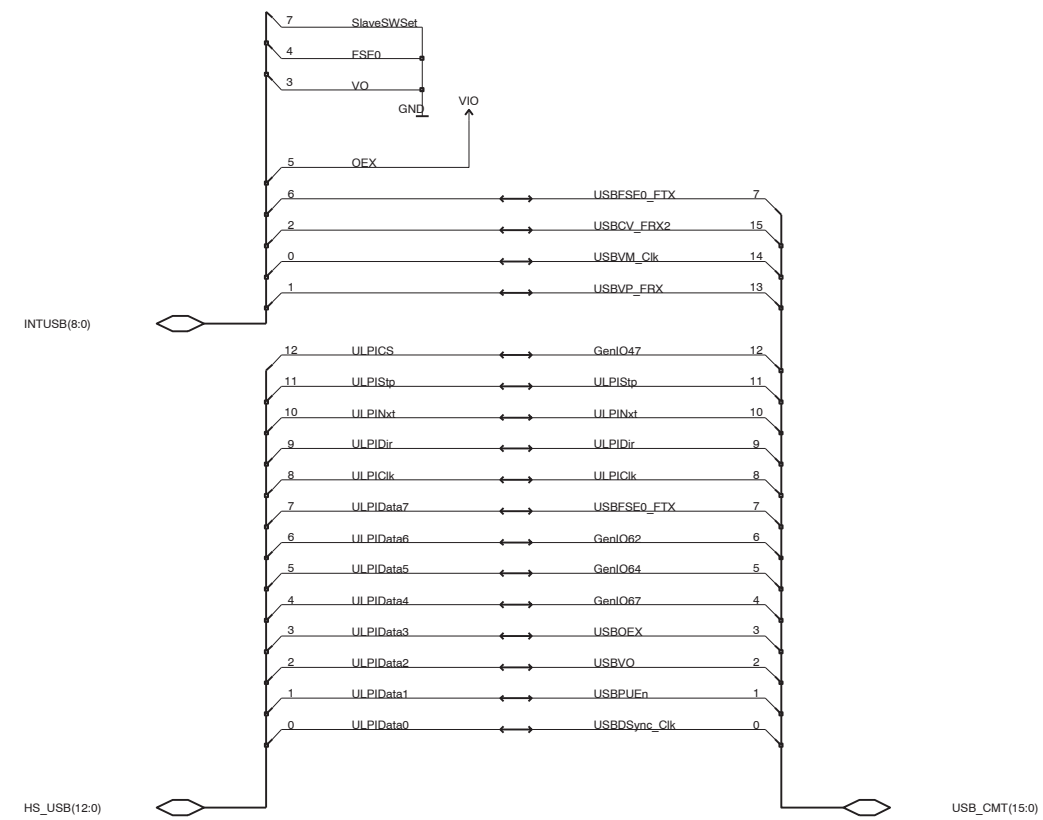
SHARK CAMERA 1450-1459

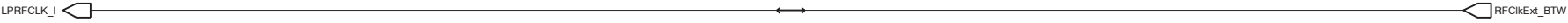
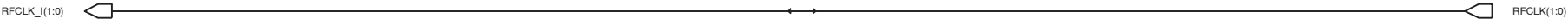


I2C(1:0)
PUSL(7:0)
FLASH_CTRL(3:0)
FLASH_CTRL_I(3:0)
GEN_CTRL_CMT(20:0)

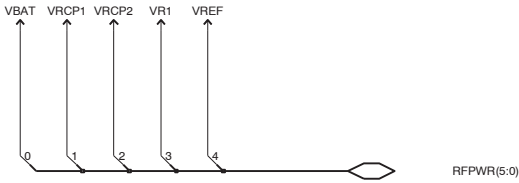
TABASCO CONNECTOR AND AMBER LED DRIVER 1480-1489

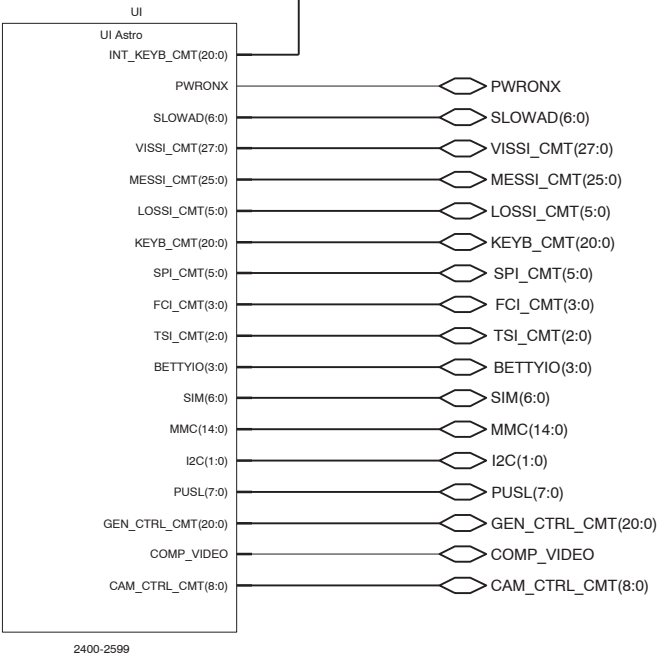
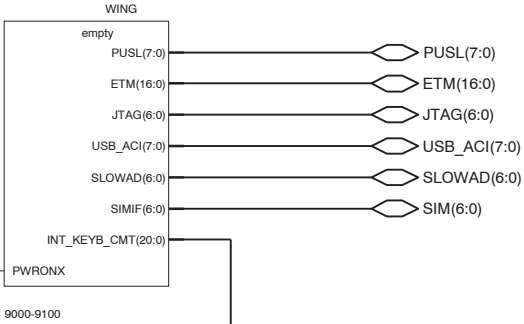
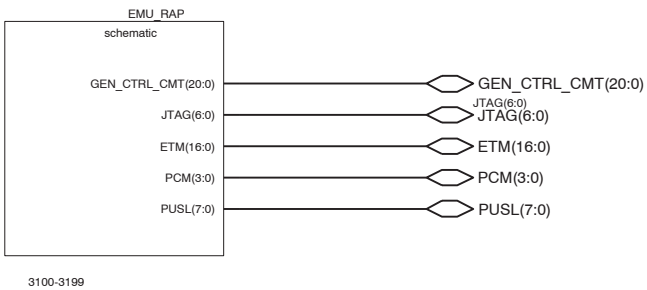
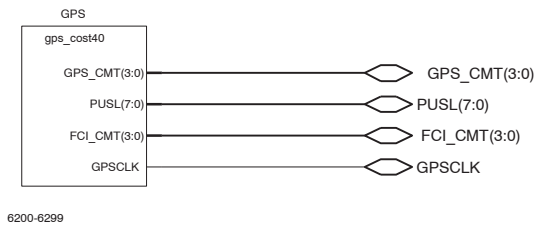
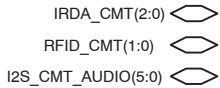
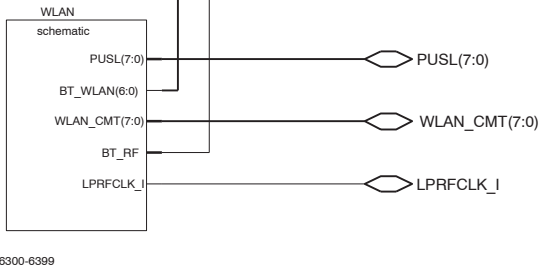
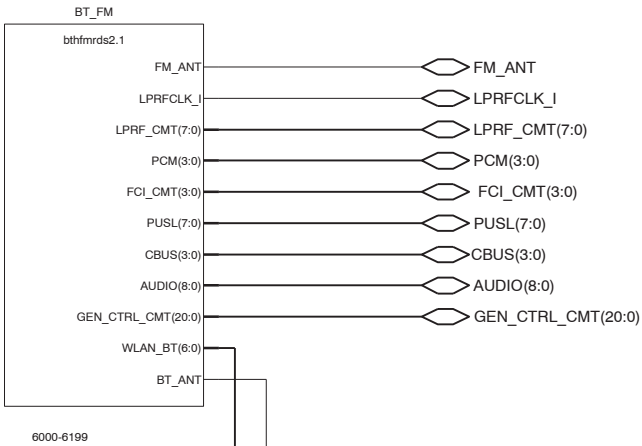
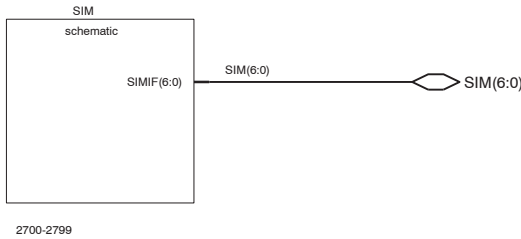
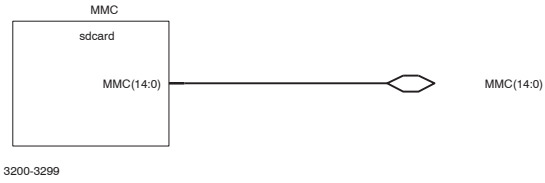
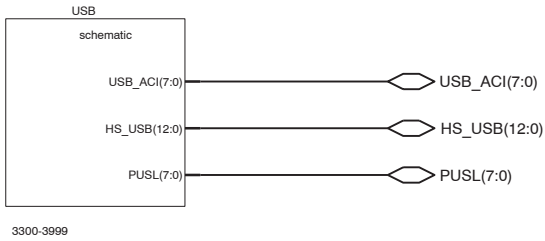
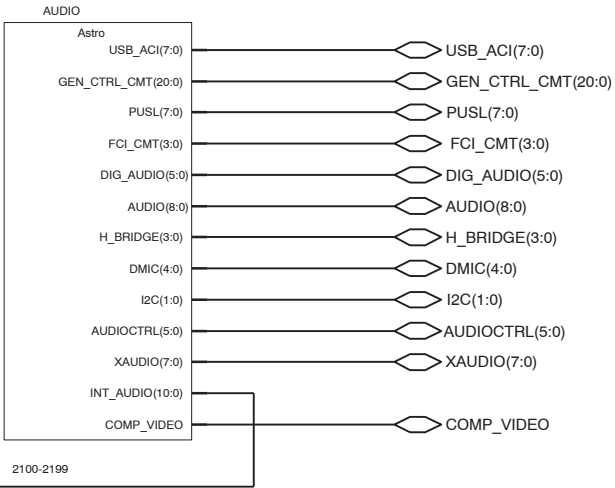
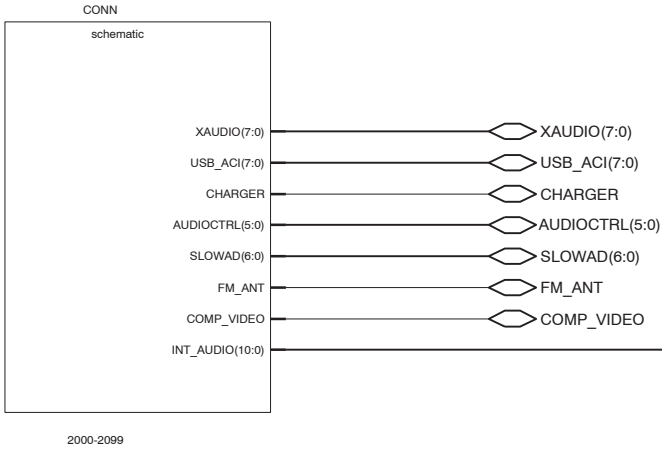
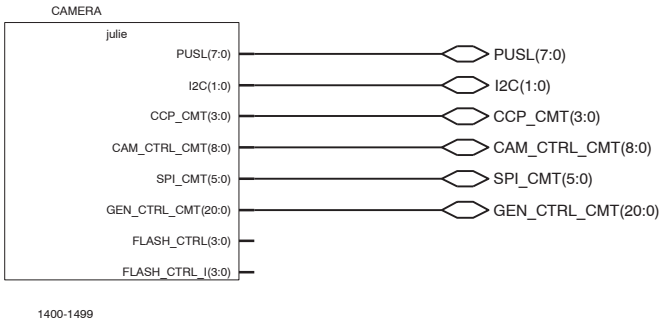


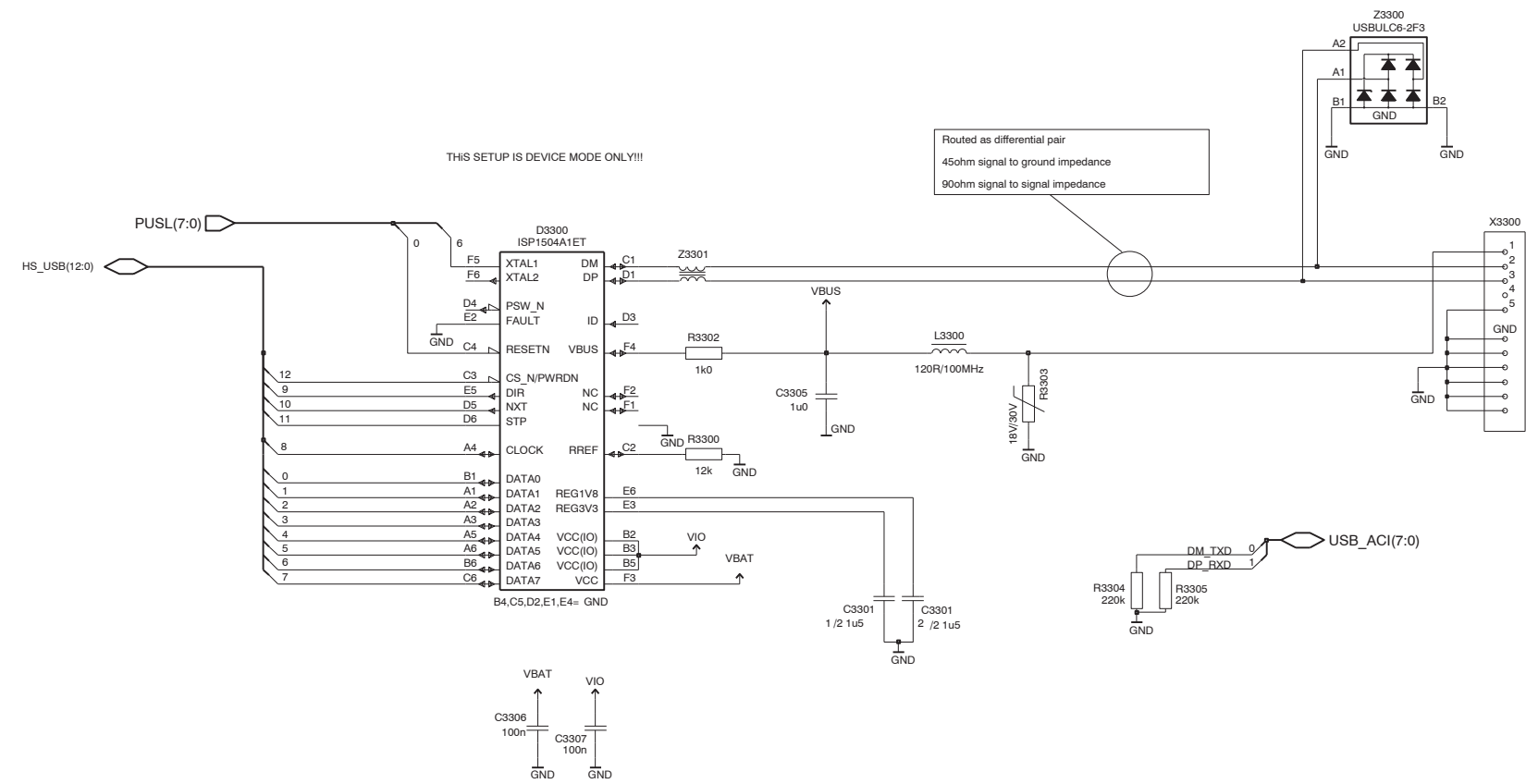


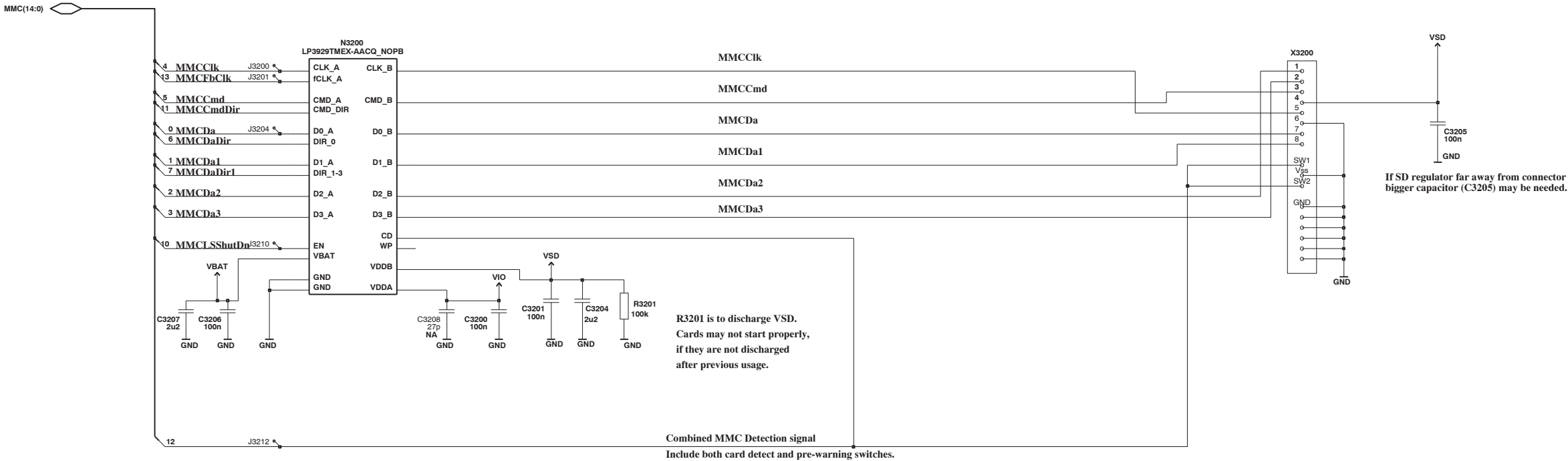


VRCP2 not needed.

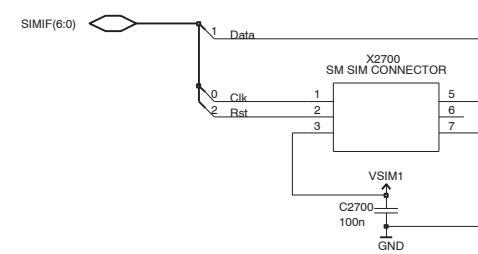




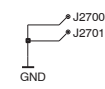


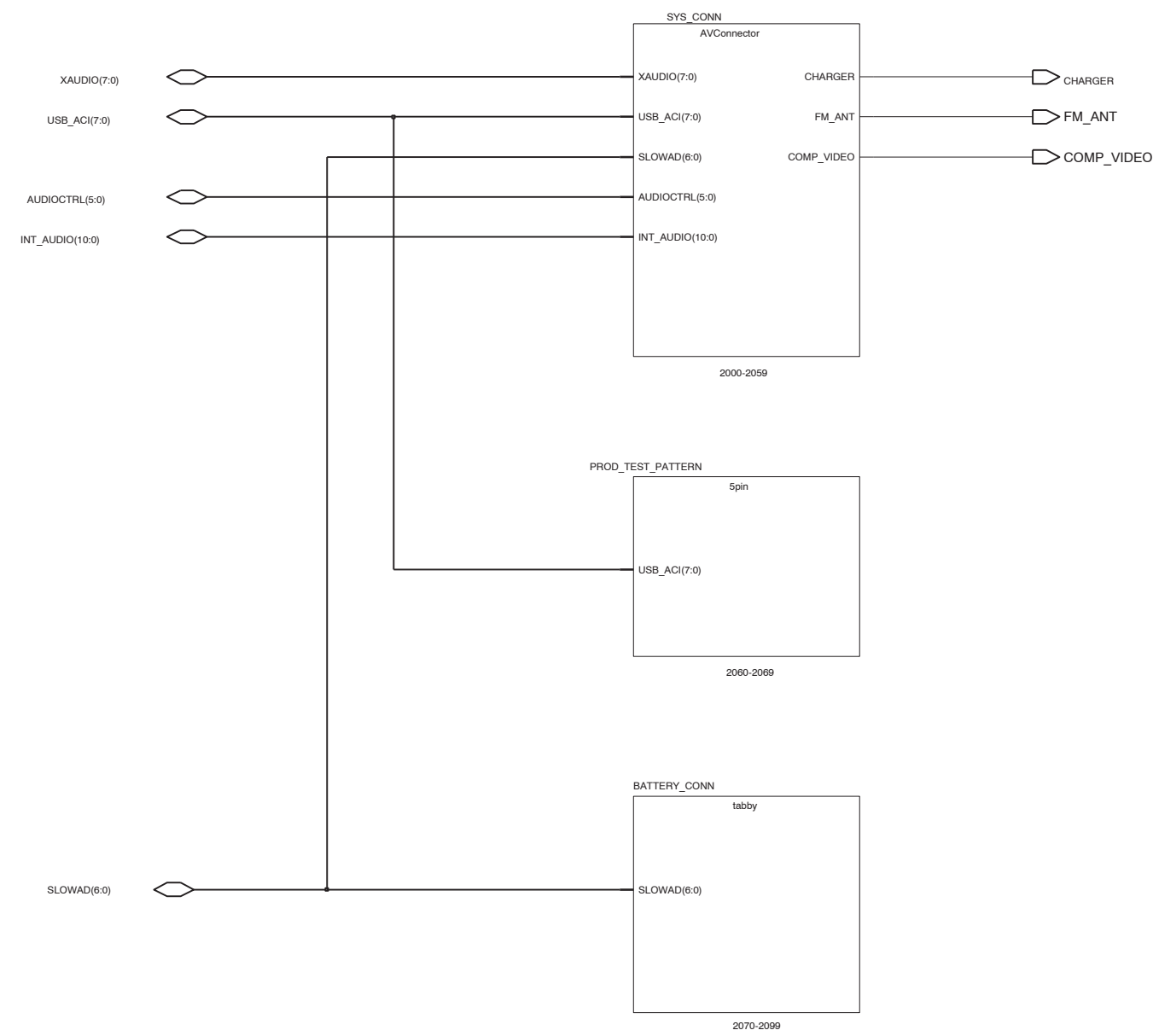


Test pad	Needed	Optional
J3200 MMCCLK (Rapido vs. EMIF)	X	
J3201 MMCFbCLK (Rapido vs EMIF)	X	
J3202 MMCCMD (Rapido vs EMIF)	X	
J3203 MMCCMDDIR (Rapido vs EMIF)	X	
J3204 MMCDATA0 (Rapido vs EMIF)	X	
J3205 MMCDATA0DIR0 (Rapido vs EMIF)	X	
J3206 MMCDATA1 (Rapido vs EMIF)	X	
J3207 MMCDATA1R1 (Rapido vs EMIF)		X
J3208 MMCDATA2 (Rapido vs EMIF)	X	
J3209 MMCDATA3 (Rapido vs EMIF)	X	
J3210 MMCLSShutDn (Rapido vs EMIF)		X
J3212 MMC Detect	X	
J3213 MMCCLK (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

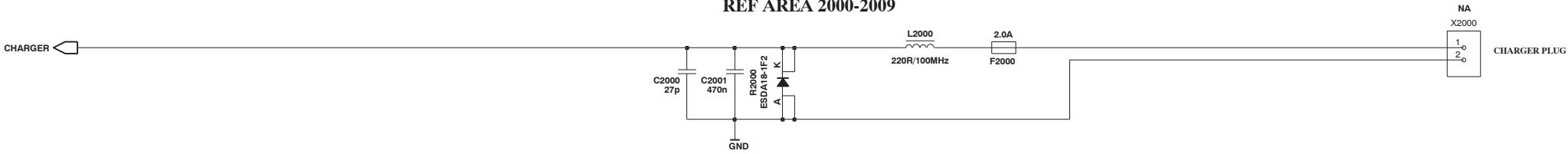


For SIM lid grounding





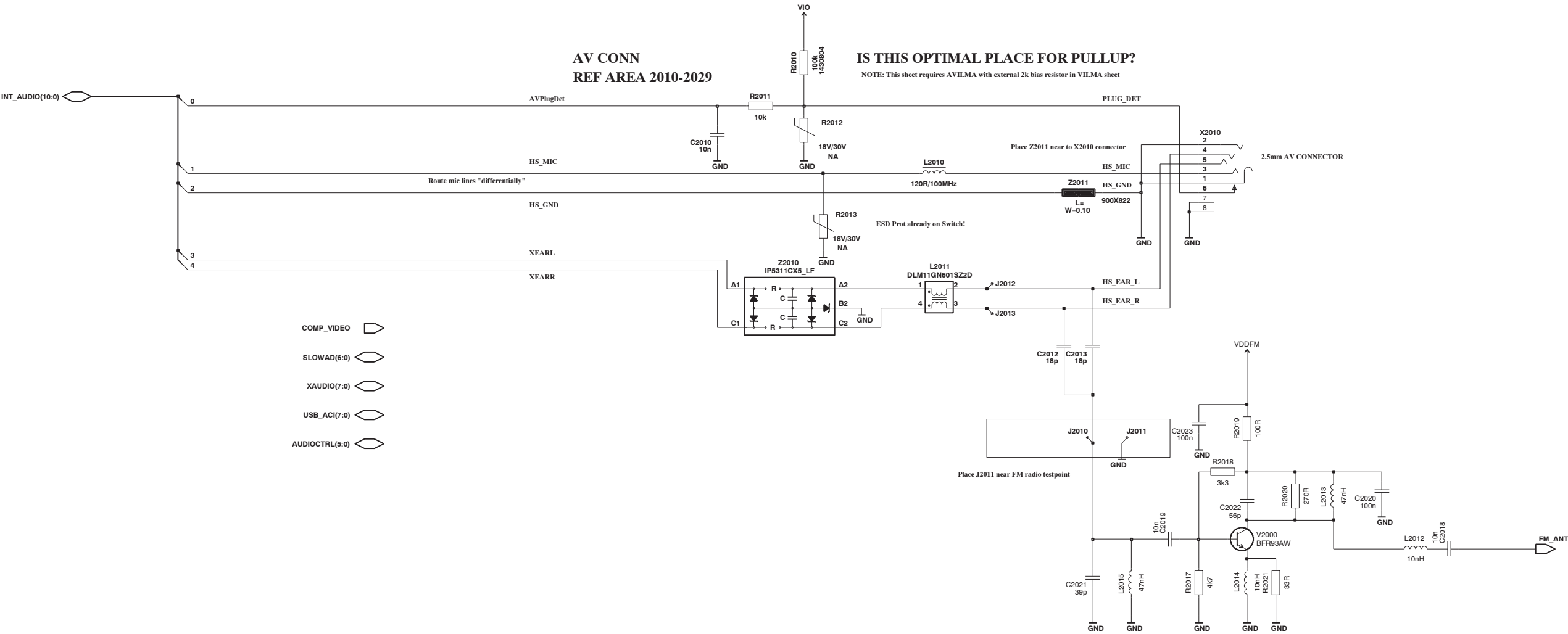
CHARGER
REF AREA 2000-2009

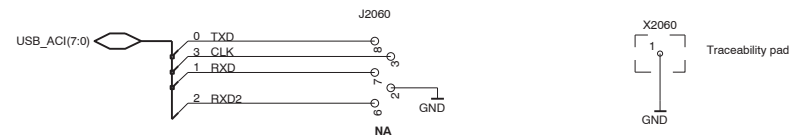


AV CONN
REF AREA 2010-2029

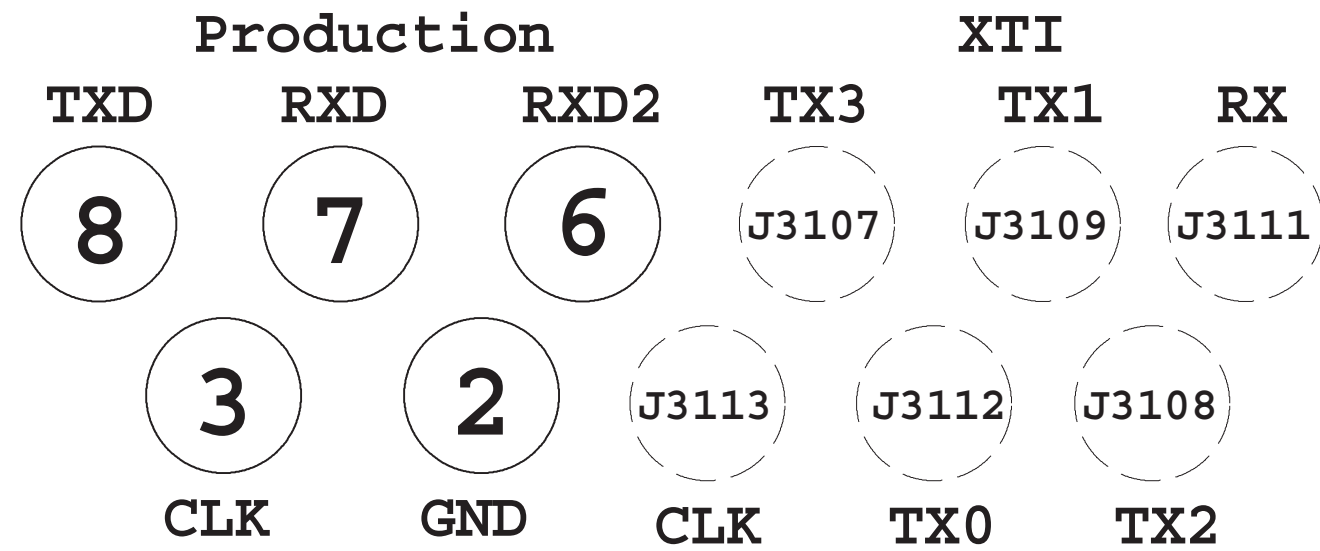
IS THIS OPTIMAL PLACE FOR PULLUP?

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

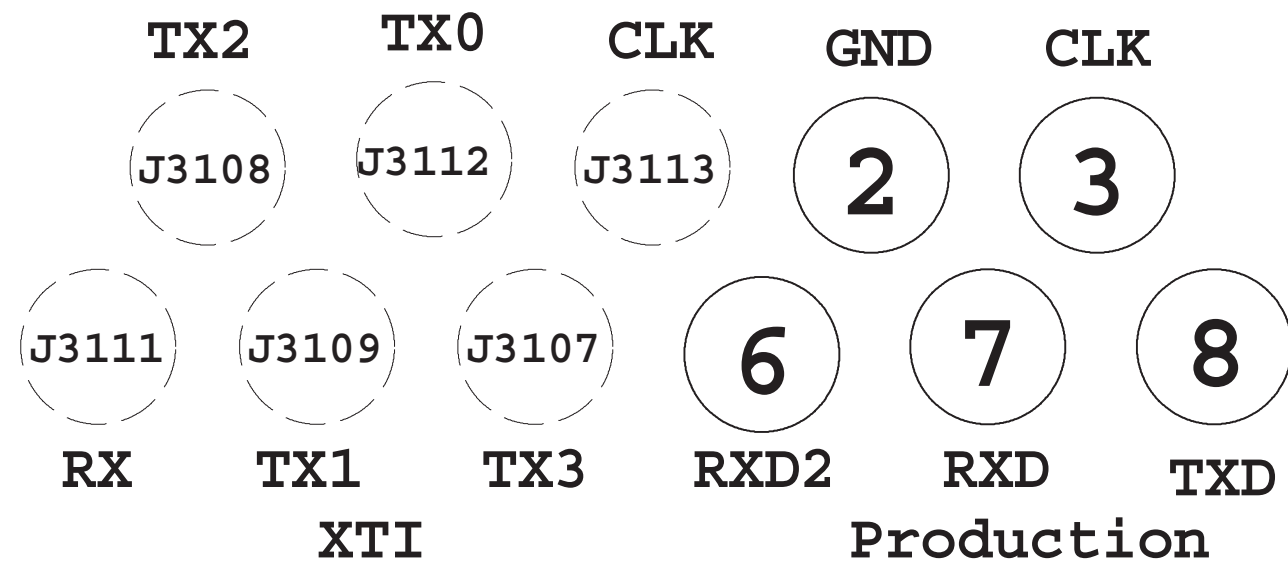


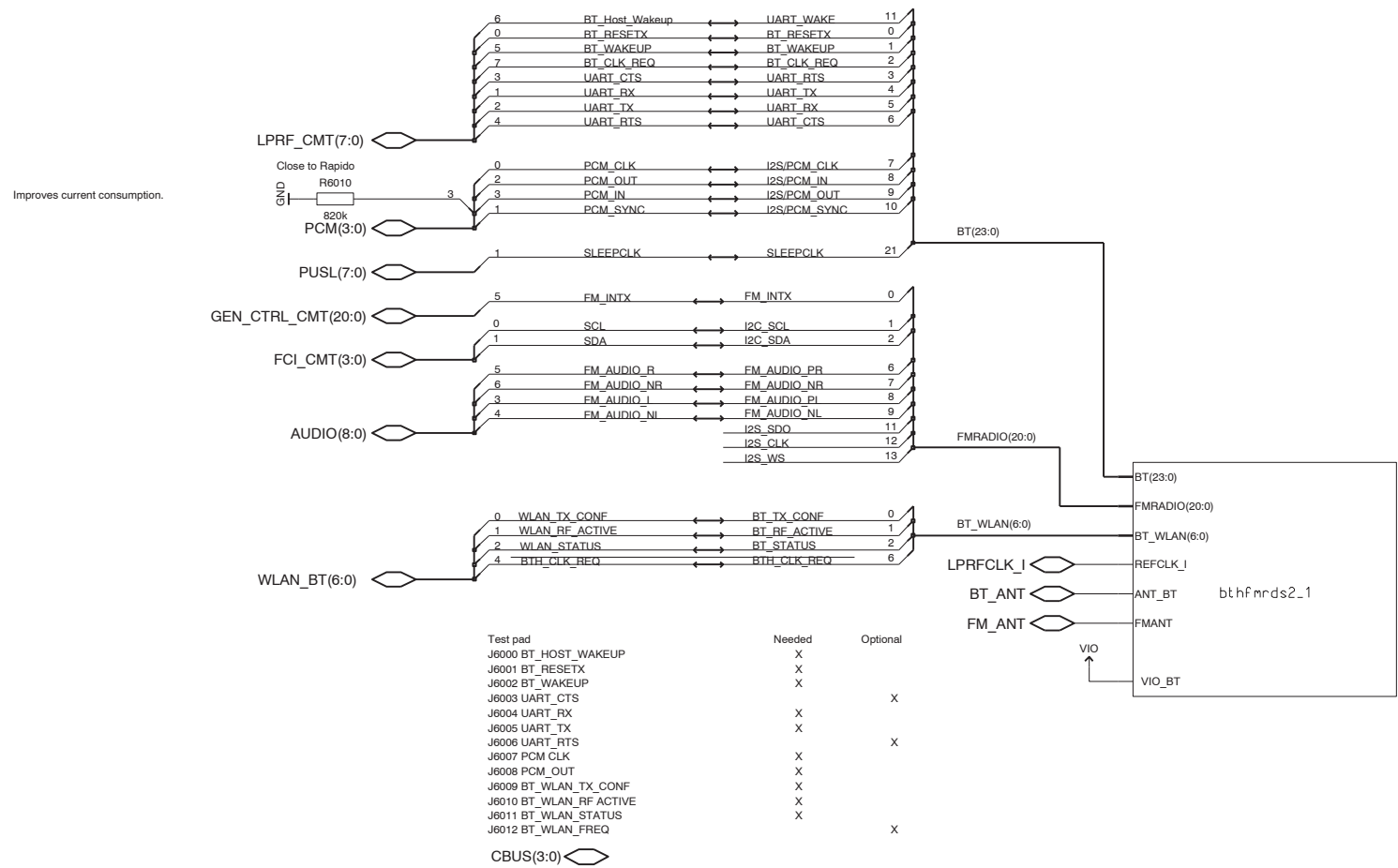


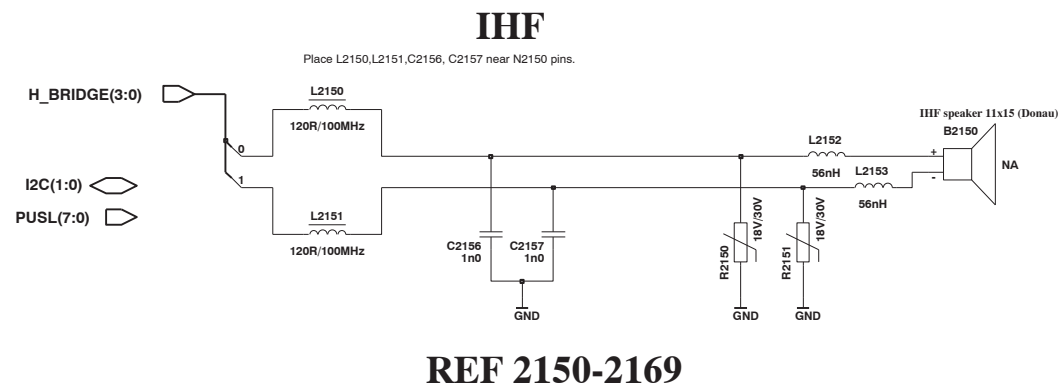
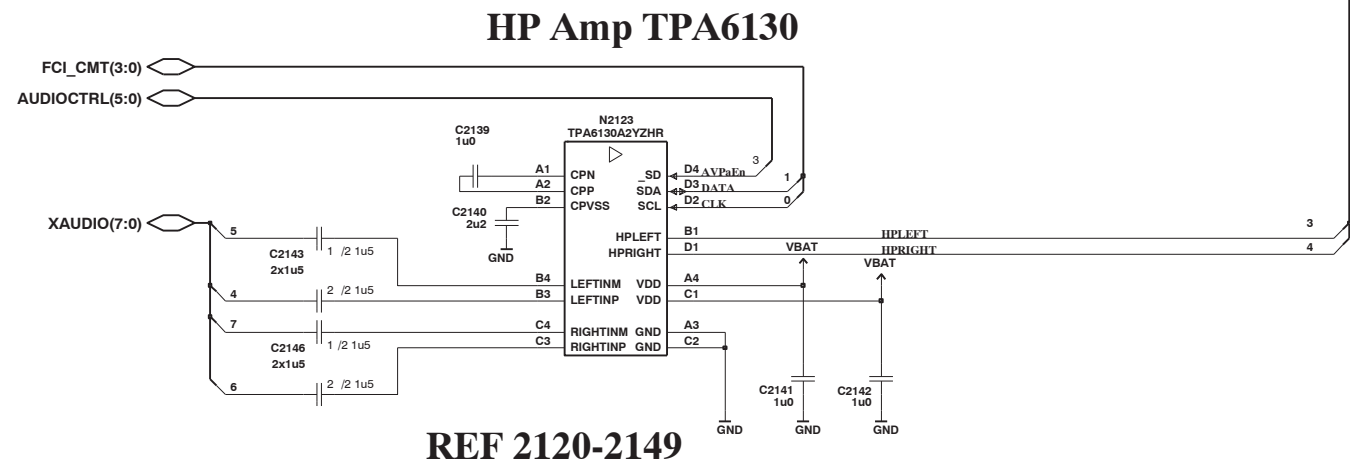
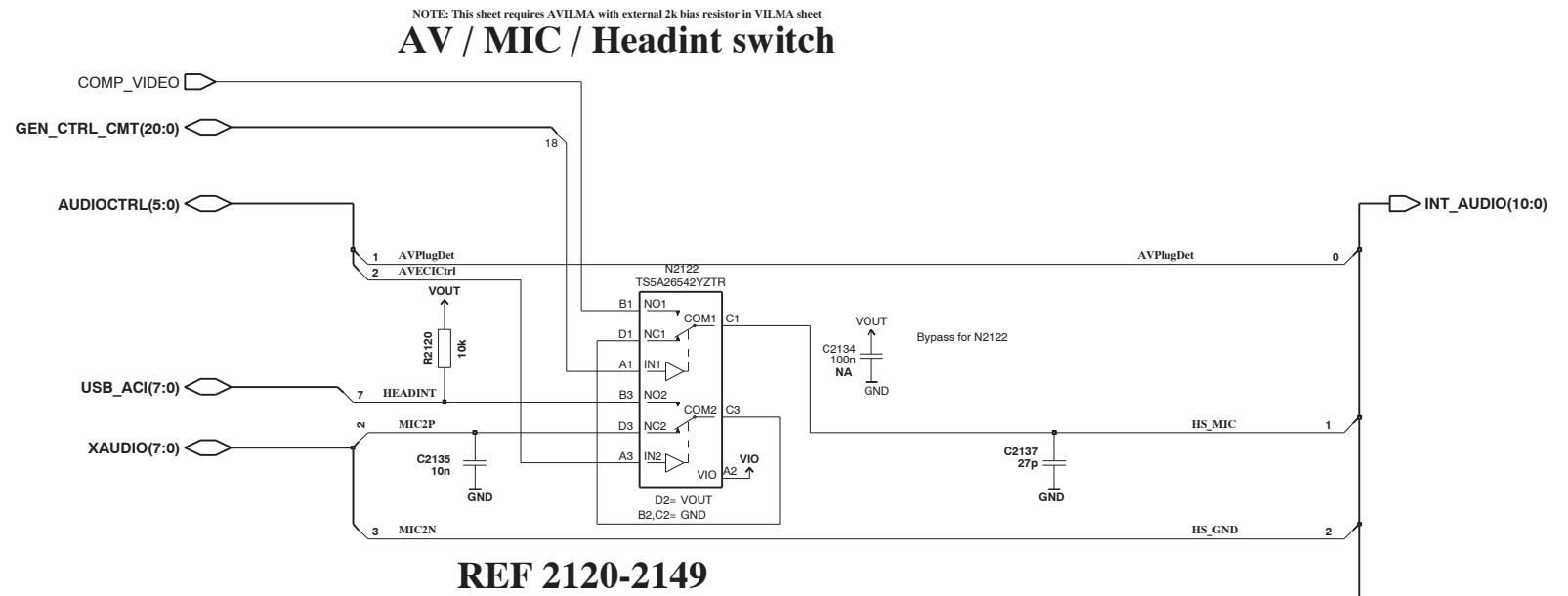
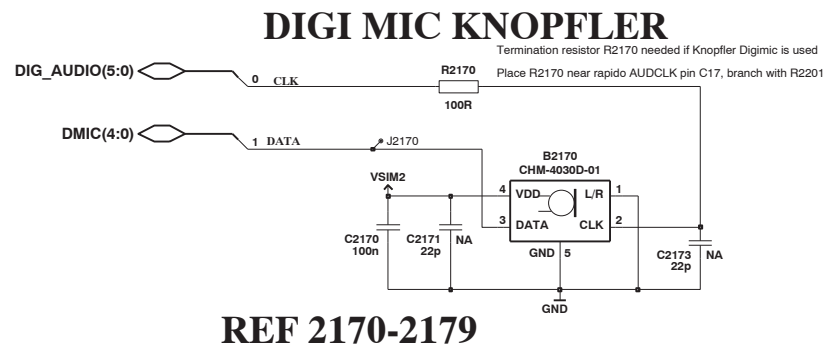
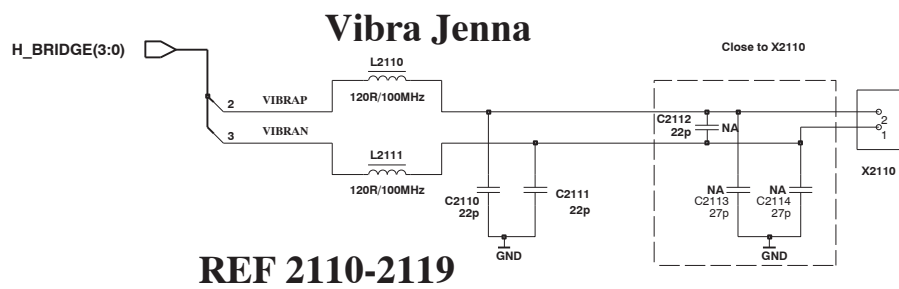
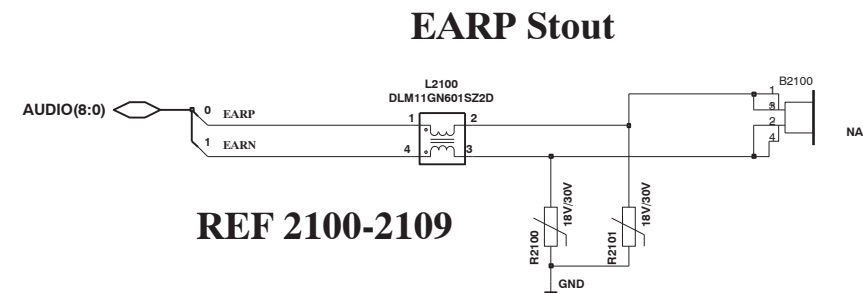
Original version

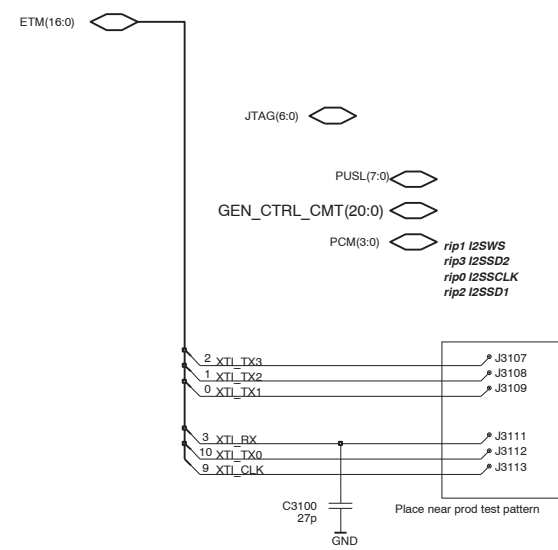


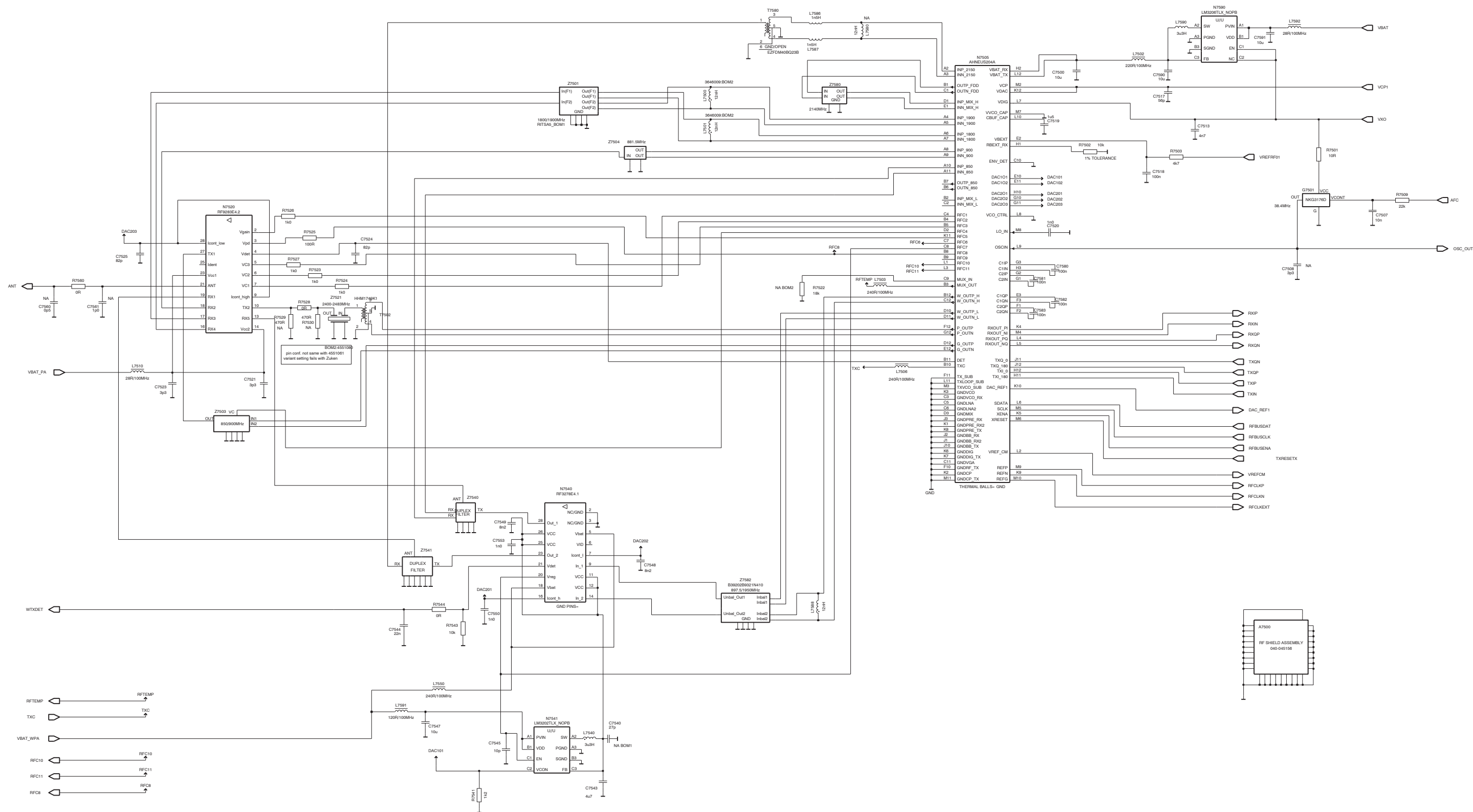
Rotated version

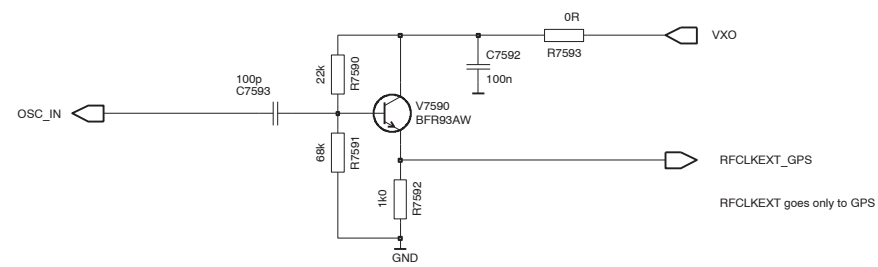
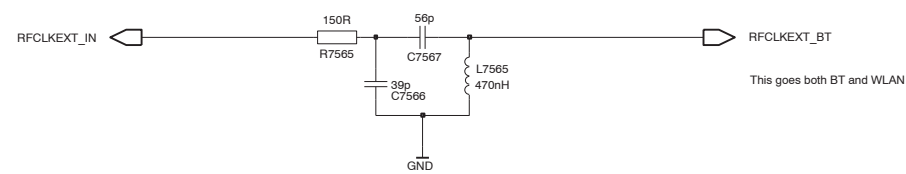
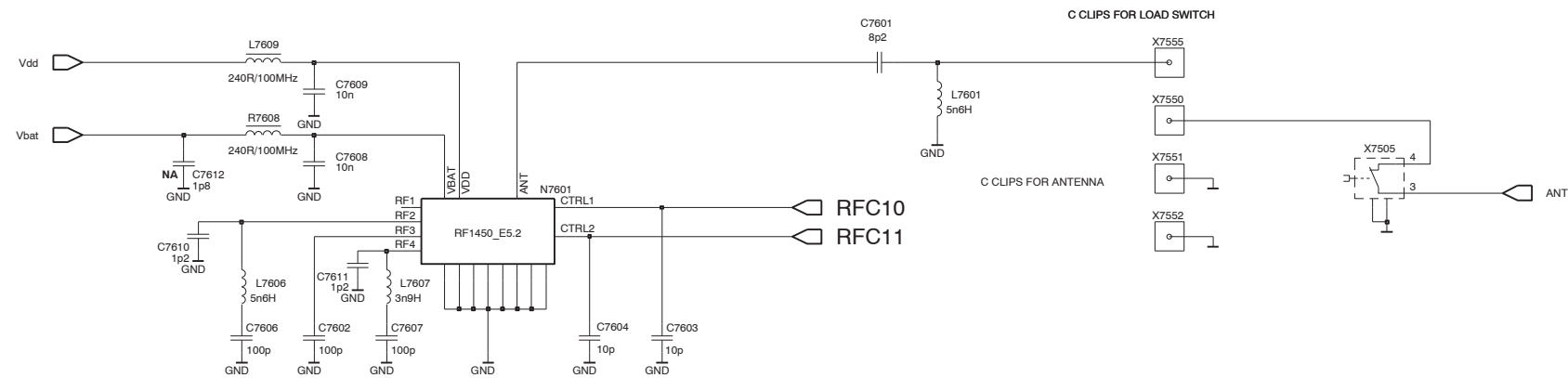


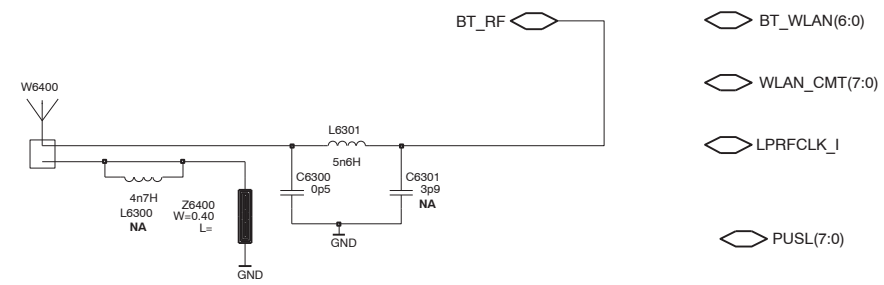




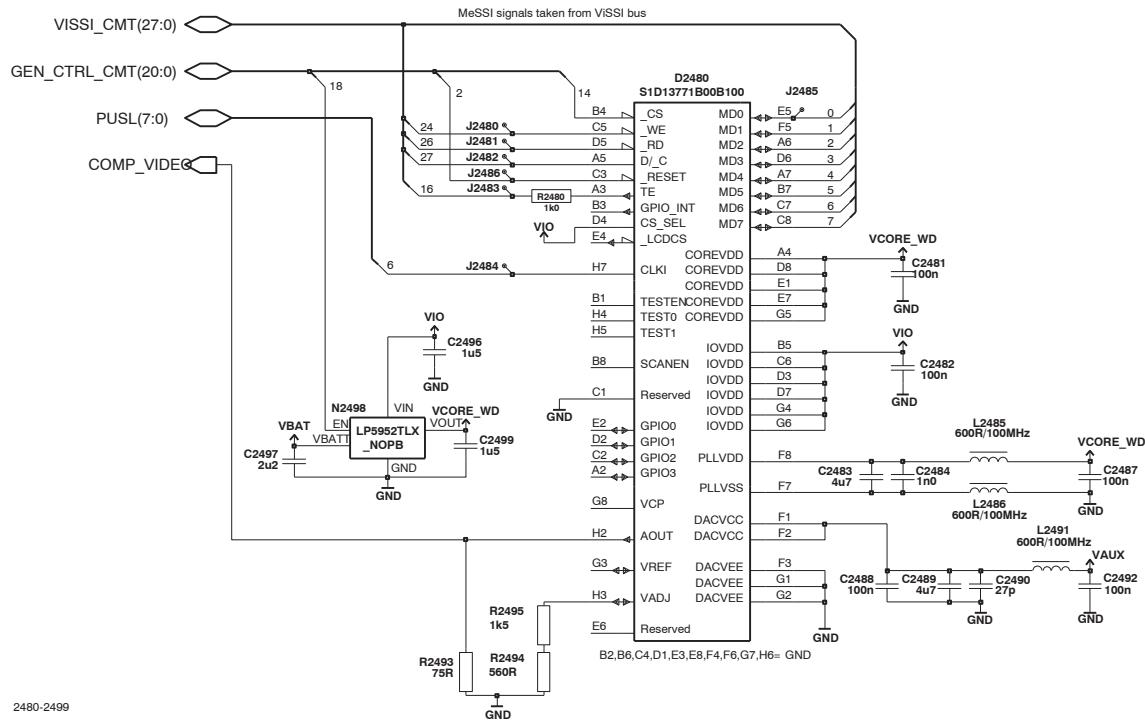




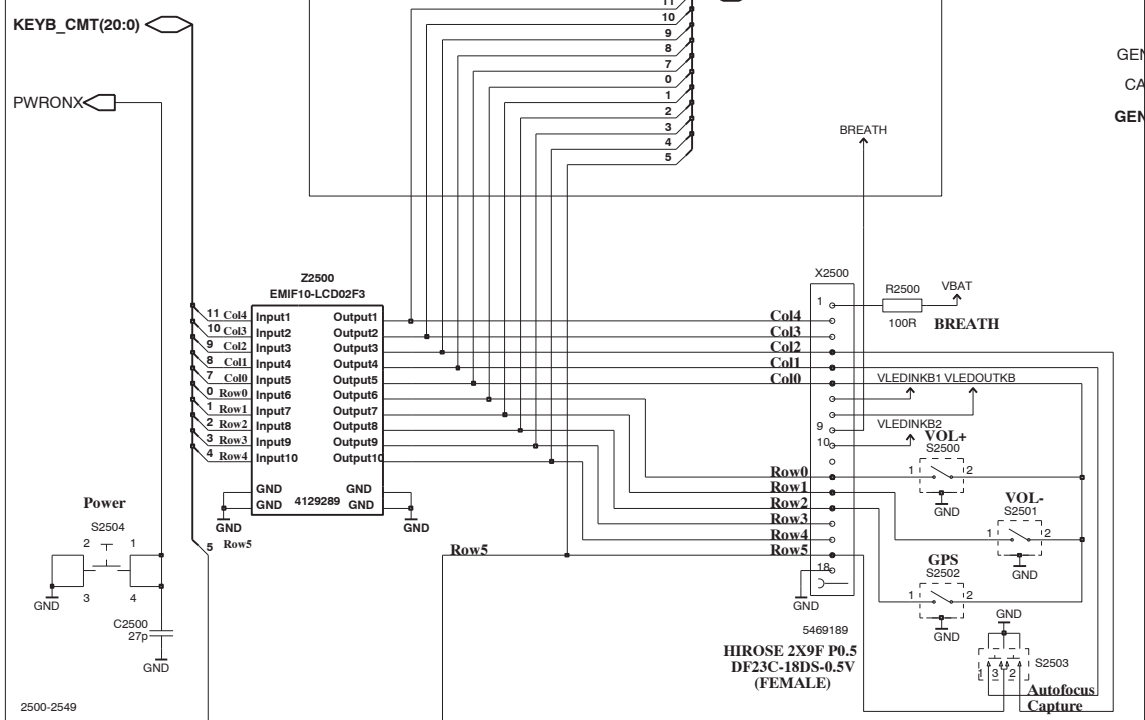




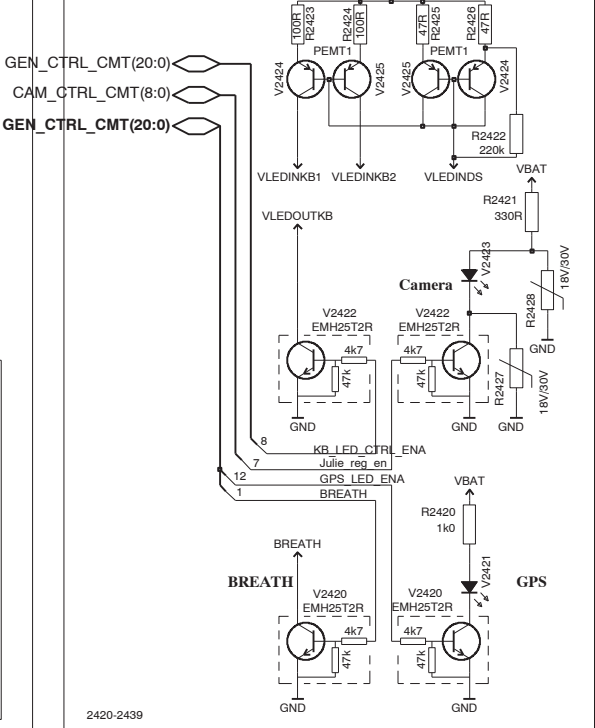
White Dwarf TVOUT



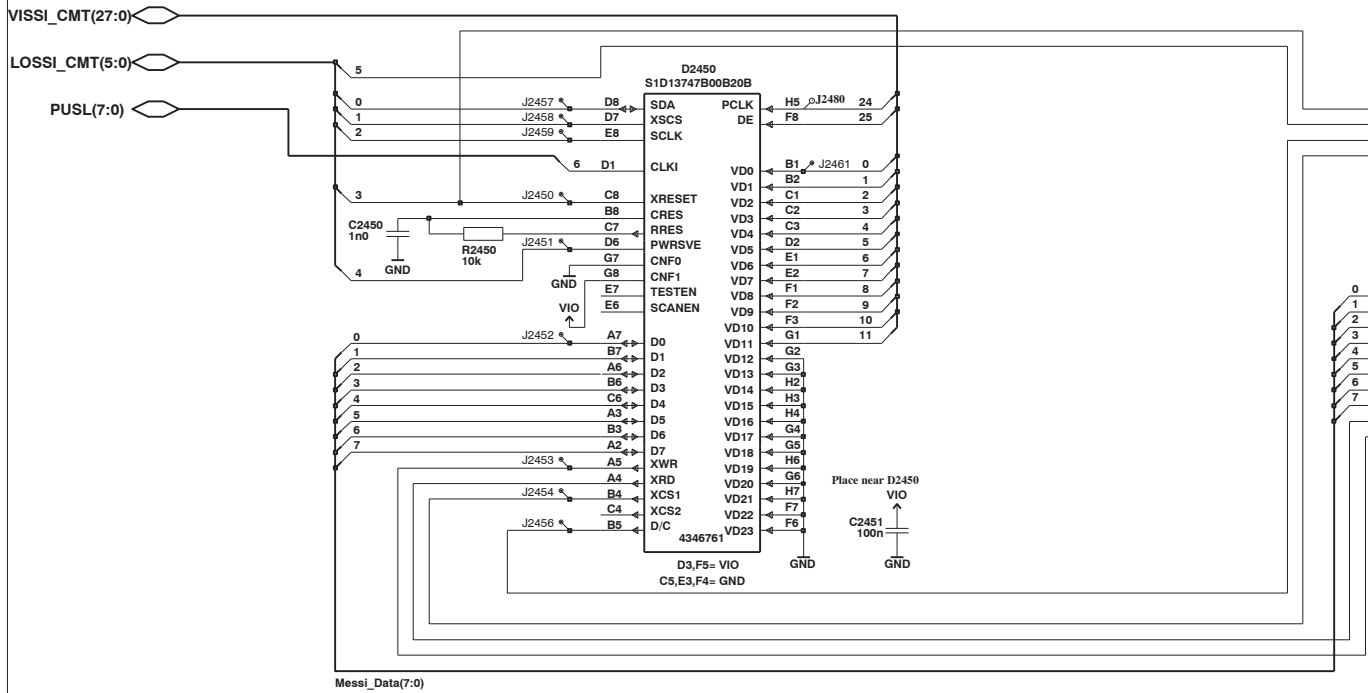
Keyboard



Illumination Control



Hurricane and Display connector

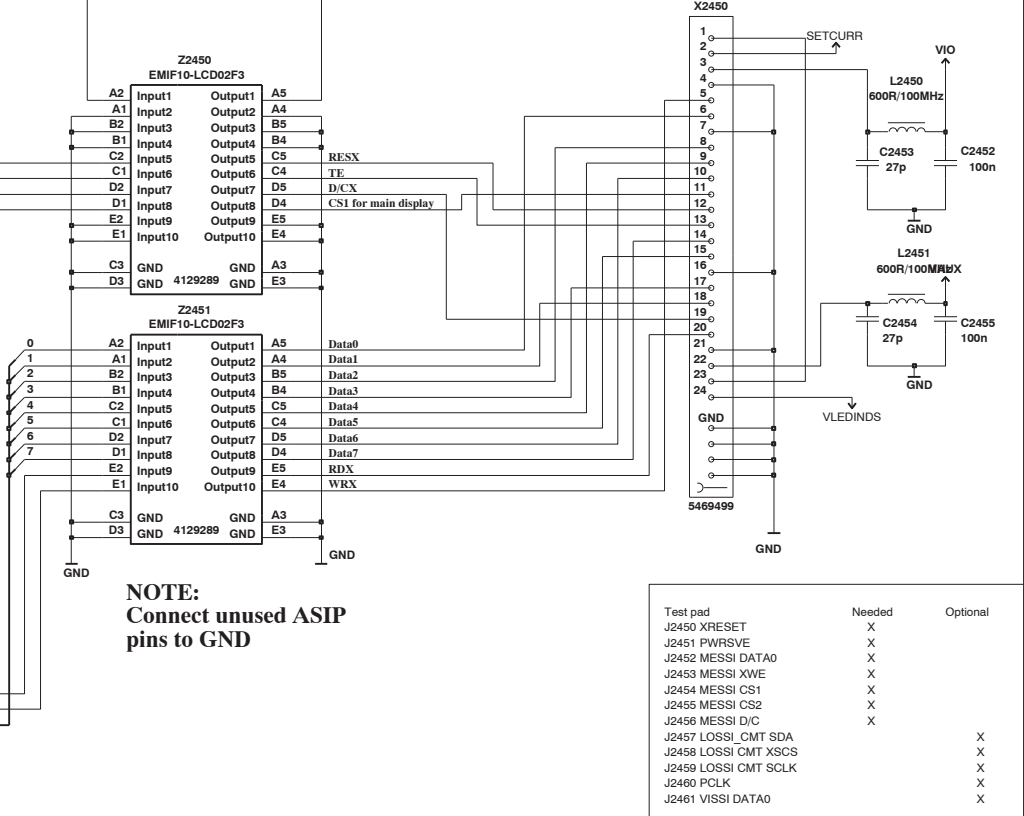


NOTE! You probably need to pay attention to the design rules of a transmission line (MESSI).

2450-2499

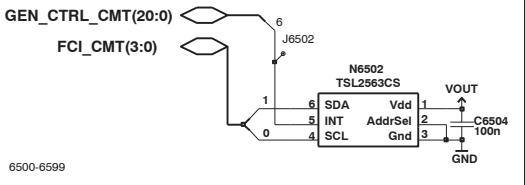
NOTE:
Connect unused ASIP
pins to GND

MAIN DISPLAY (Piccadilly2) connector



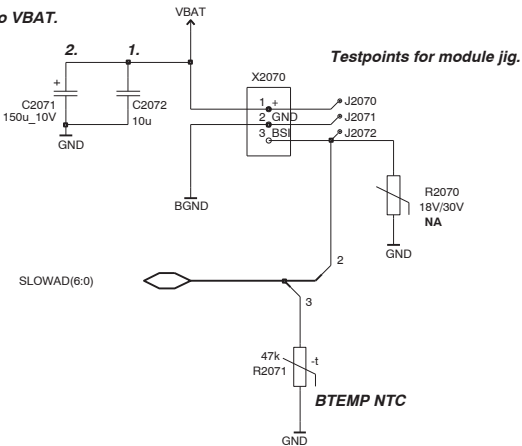
Test pad	Needed	Optional
J2450 XRESET	X	
J2451 PWRVSVE	X	
J2452 MESSI DATA0	X	
J2453 MESSI XWE	X	
J2454 MESSI CS1	X	
J2455 MESSI CS2	X	
J2456 MESSI D/C	X	
J2457 LOSSI_CMT SDA		X
J2458 LOSSI_CMT XSCS		X
J2459 LOSSI_CMT SCLK		X
J2460 PCLK		X
J2461 VISSI DATA0		X

Ambient Light Sensor



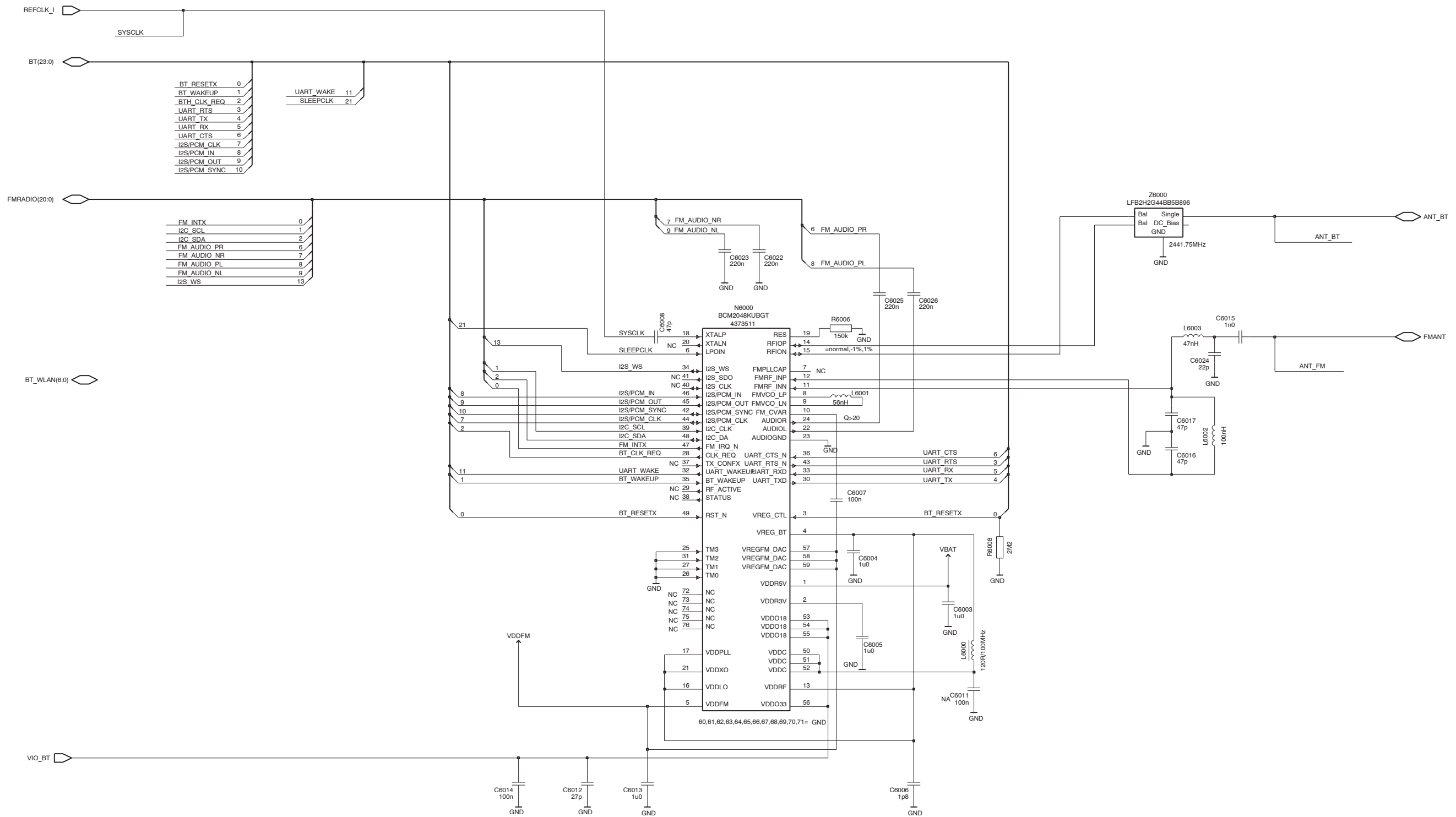
- ◇ SLOWAD(6:0)
- ◇ BETTYIO(3:0)
- ◇ SIM(6:0)
- ◇ MESSI_CMT(25:0)
- ◇ TSI_CMT(2:0)
- ◇ SPI_CMT(5:0)
- ◇ MMC(14:0)
- ◇ I2C(1:0)
- ◇ CAM_CTRL_CMT(8:0)

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 for 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).

