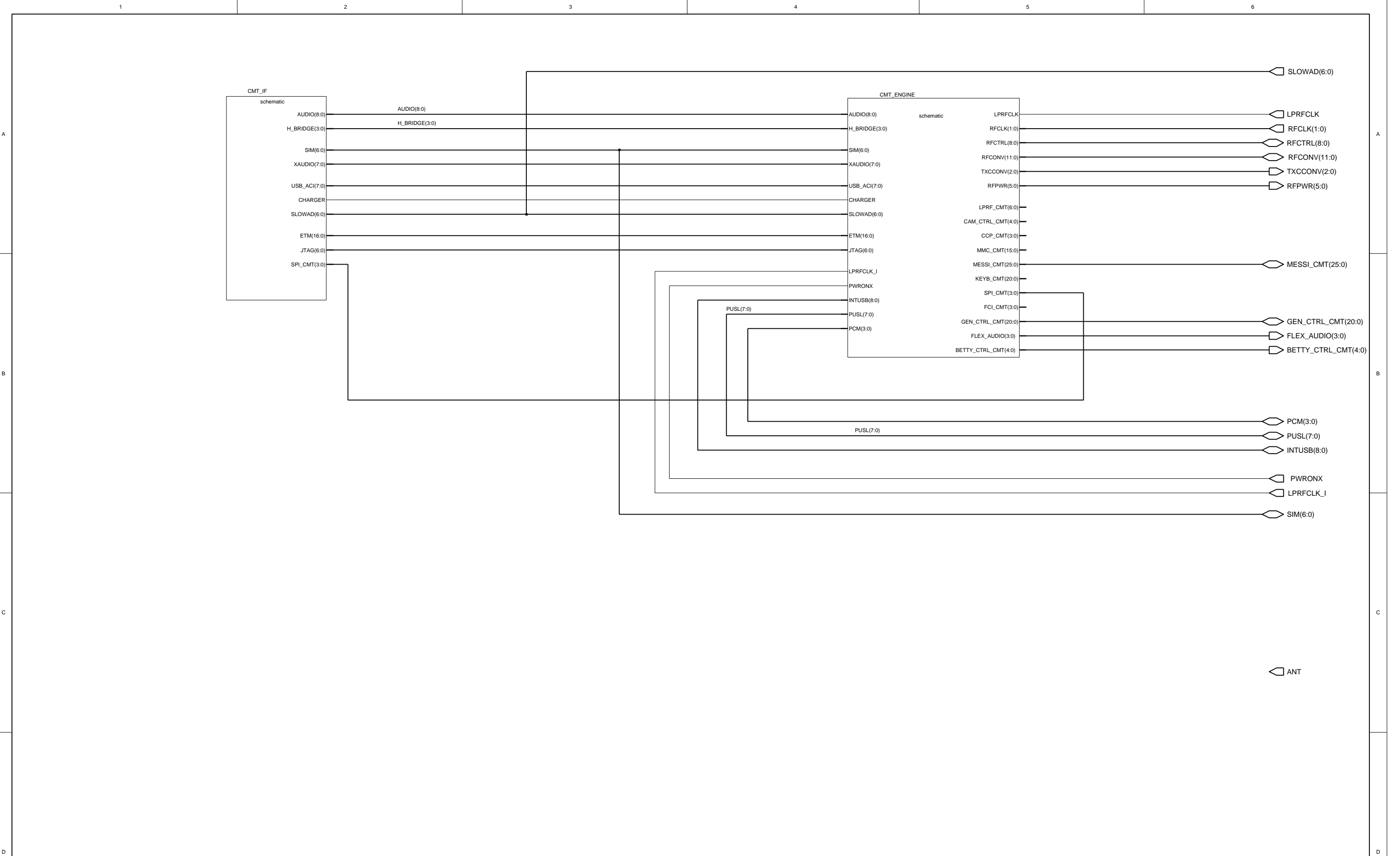


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Name	BB Top Level	Appr	dd-mmm-yy
Assoc	Vilbet	Build	B 1.0
Des.	ILJARVIN		18-Aug-03
Dr.	TKOIVUSA		03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/SYS		Sheet 03 of yy 0 (01)
Proj	WG3.2	Drw.	Print Yes v. 02 Edit 2

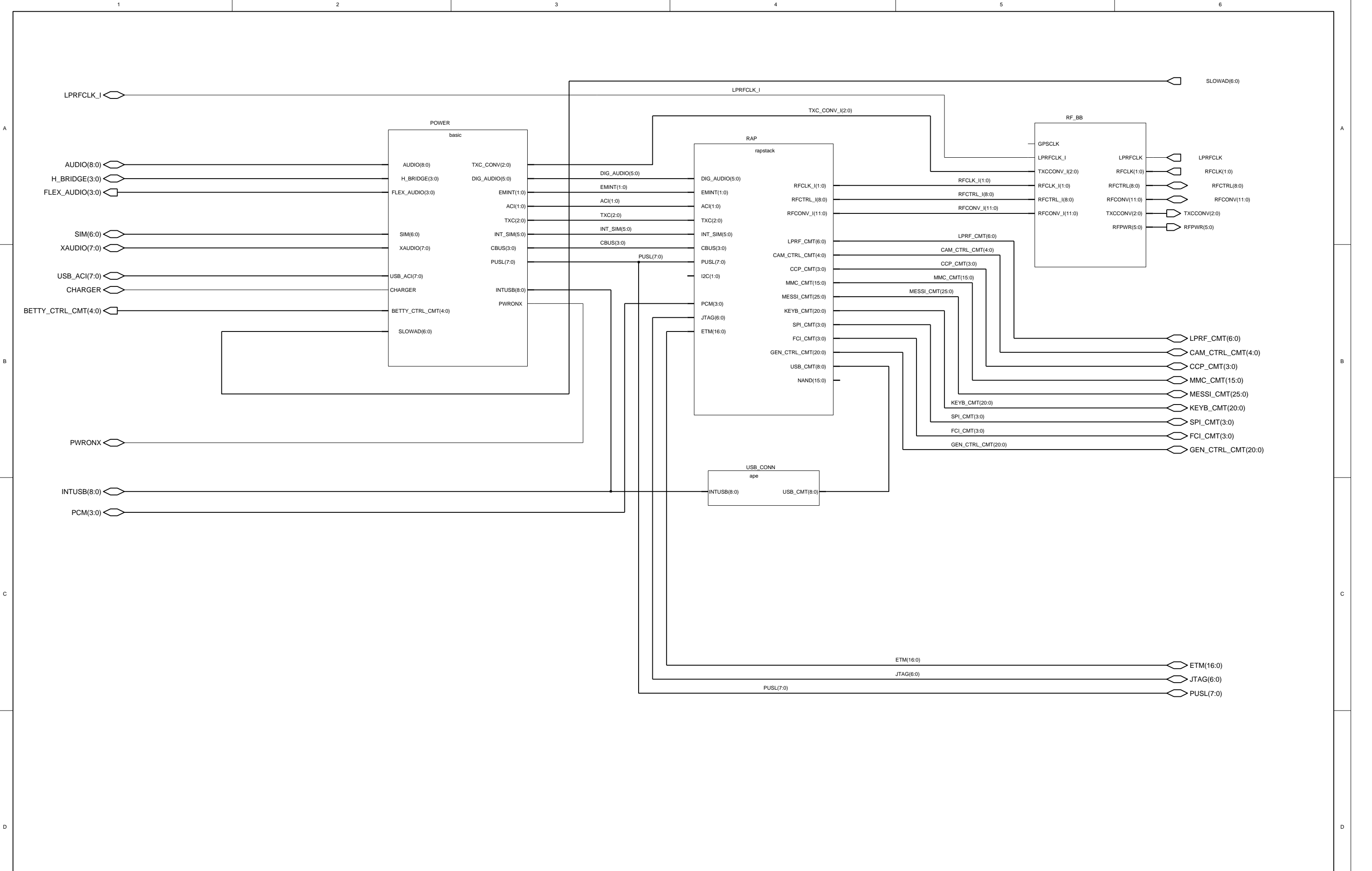


ANT

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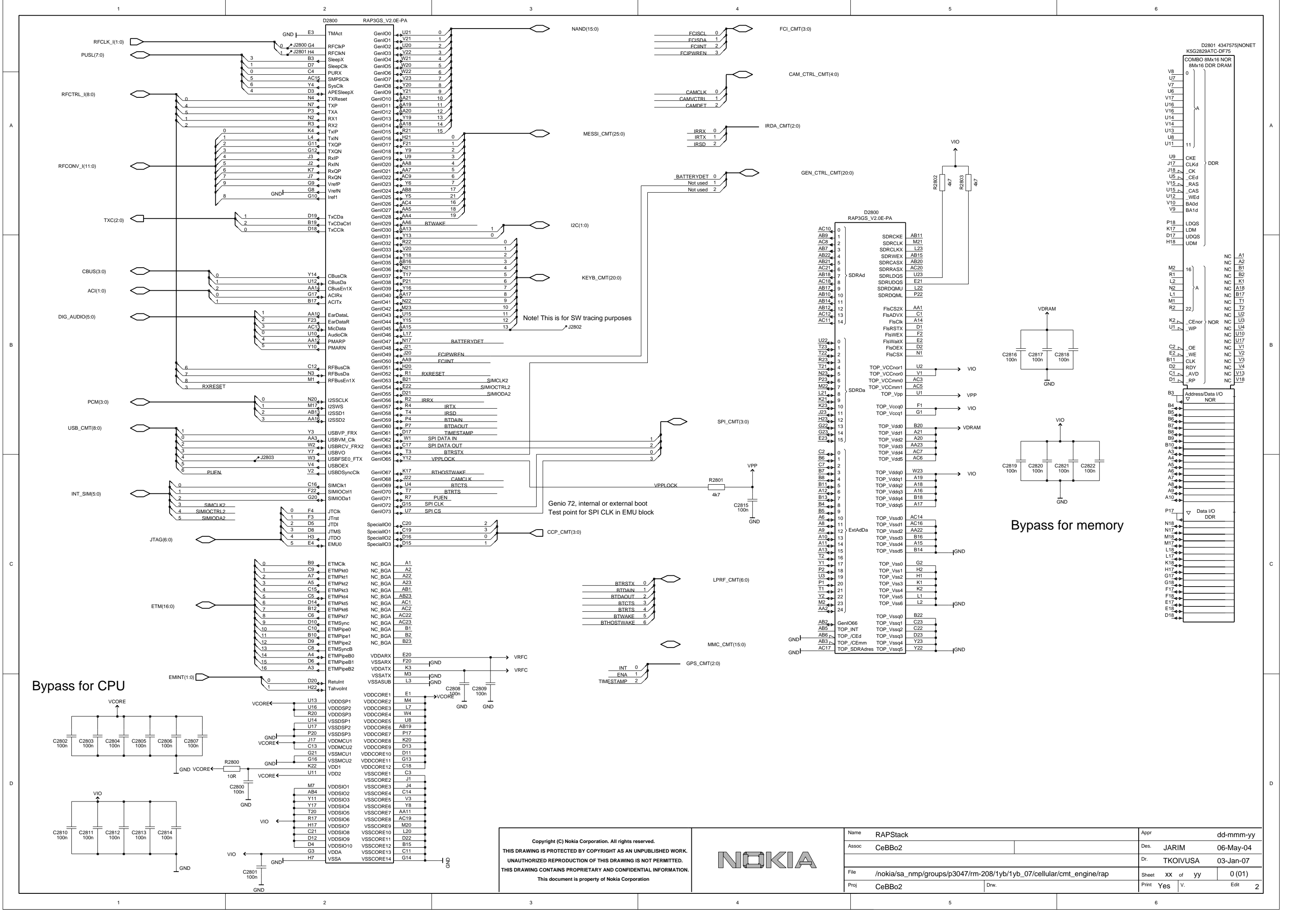
Name	BB Top Level	Appr	dd-mmm-yy
Assoc	Villie	Des.	KAYRA 14-Jan-03
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular	Dr.	TKOIVUSA 03-Jan-07
Proj	CBB5X	Sheet	xx of yy 0 (01)
		Print	Yes v. 0 Edit 2



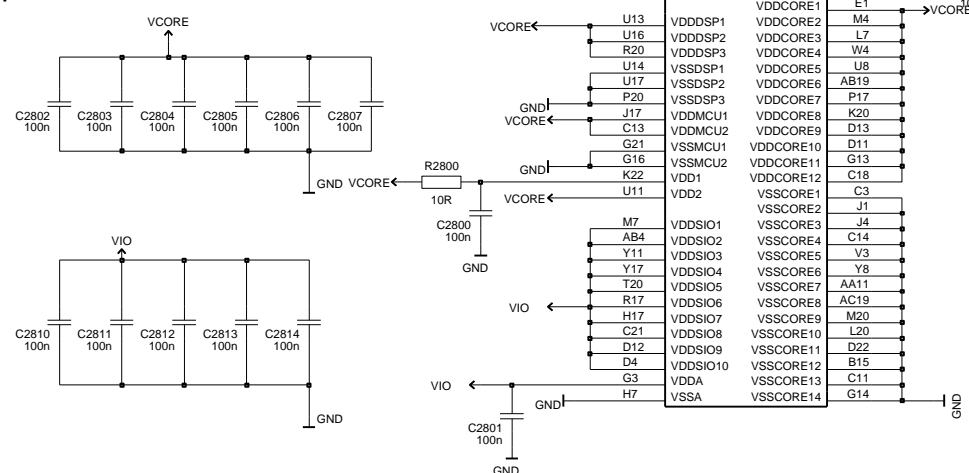
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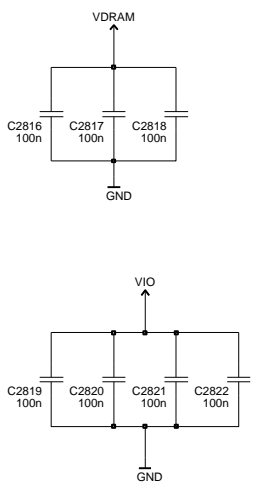
Name	CMT_Engine Top level	Appr	dd-mmm-yy
Assoc	Engine Release Database	Des.	ArKa 27-May-03
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_engine		Sheet xx of yy 0 (01)
Proj	Cement	Draw.	Print Yes v. 0.0 Edit 2



Bypass for CPU



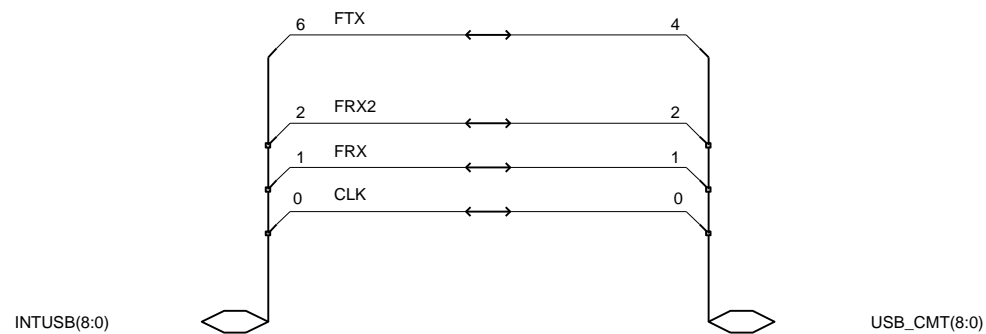
Bypass for memory



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Name	RAPStack	Appr	dd-mmm-yy
Assoc	CeBBo2	Des.	JARIM 06-May-04
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_engine/rap	Dr.	TKOIVUSA 03-Jan-07
Proj	CeBBo2	Sheet	xx of yy 0 (01)
		Print	Yes v. Edit 2



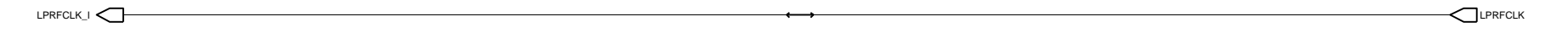
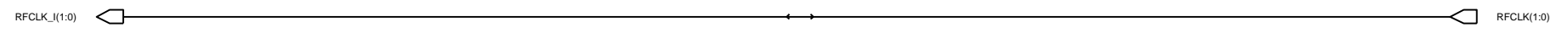
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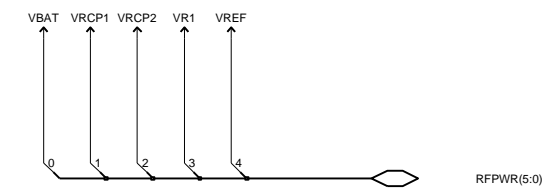
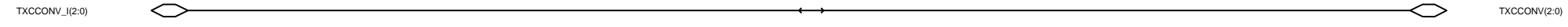
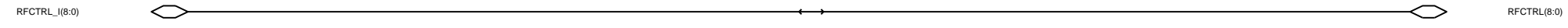
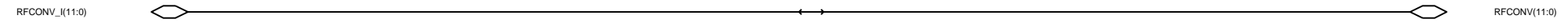
Name	USB Connections with APE	Appr	dd-mmm-yy
Assoc	Engine Release Database	Des.	KatjaKnu 04-Jun-03
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_engine/usb_conn	Sheet	XX of yy 0 (01)
Proj	Cement	Drw.	Print Yes V. 0.0 Edit 2

CBB5X

TOP SHEET



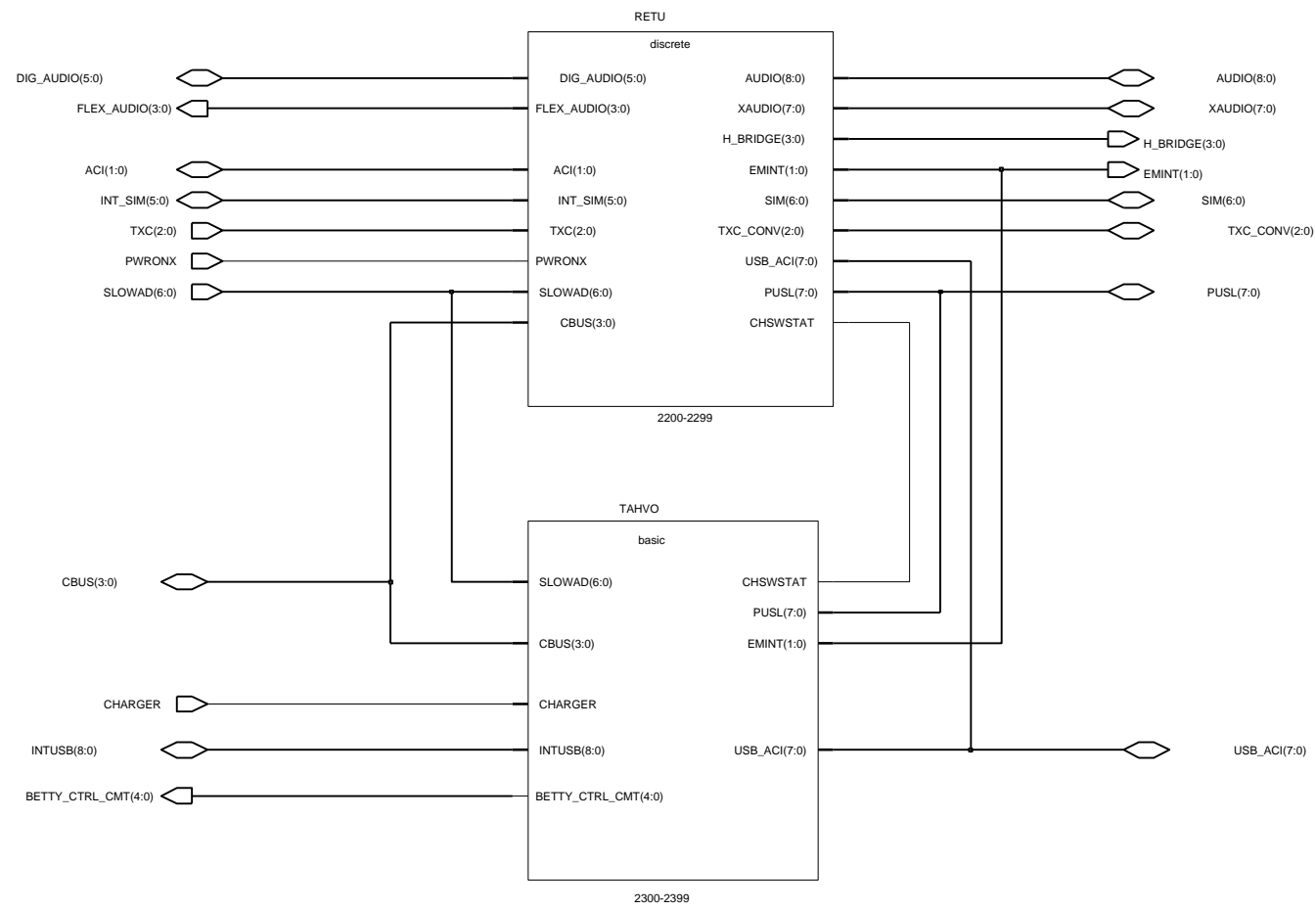
GPSCLK



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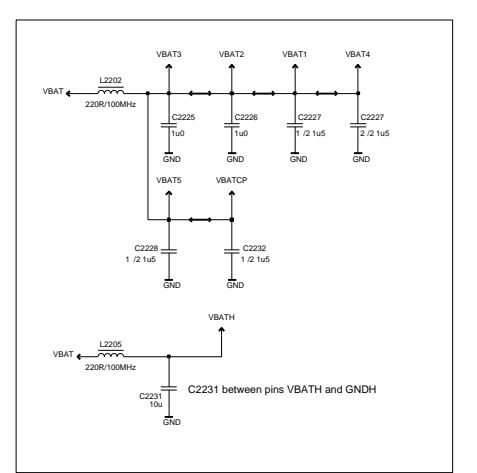
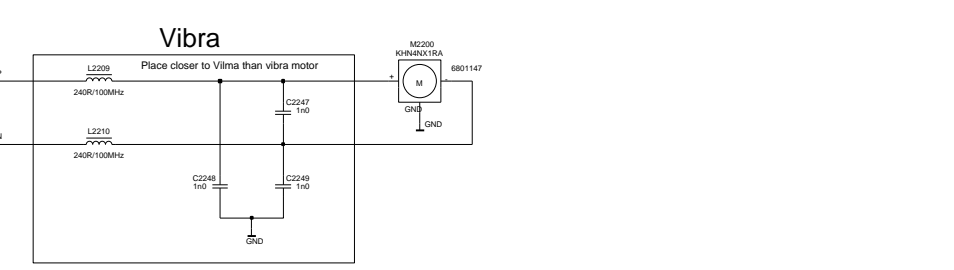
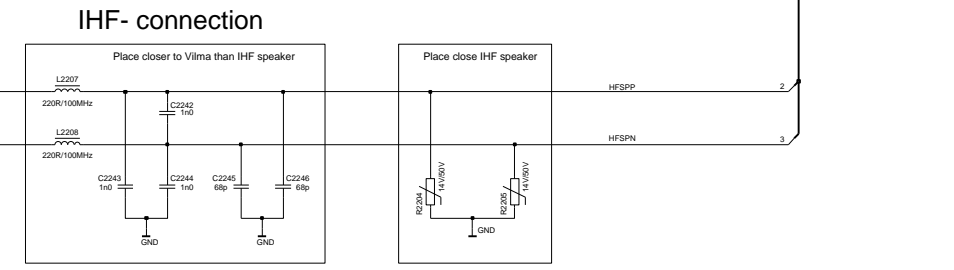
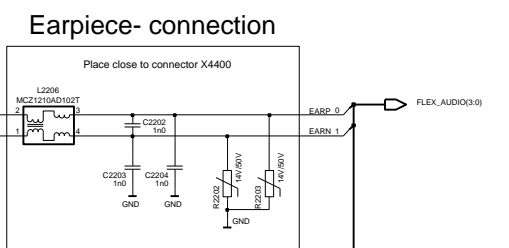
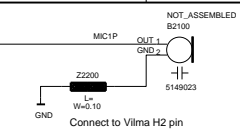
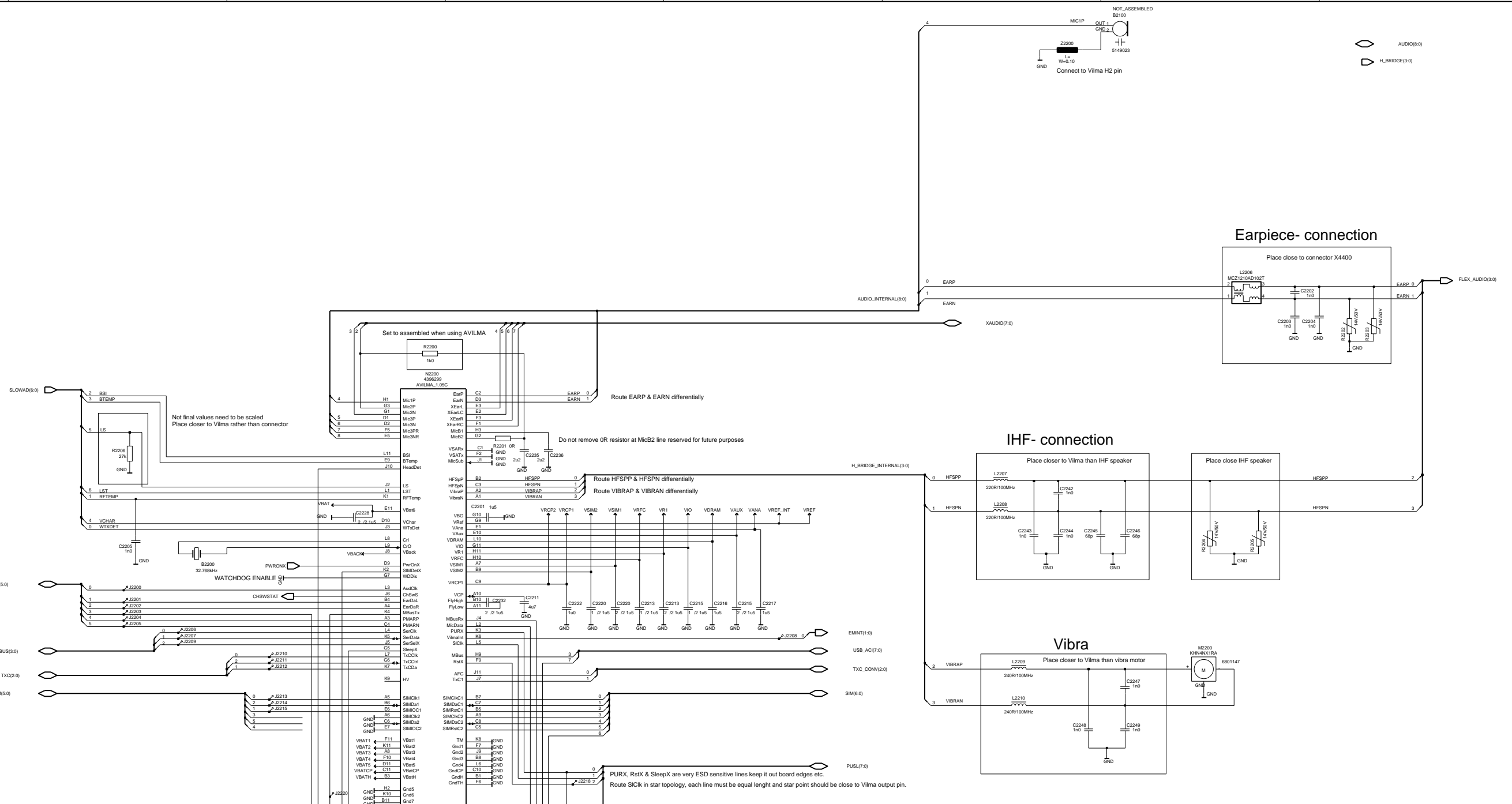
Name	RF IF	Appr	dd-mmm-yy
Assoc	Charlie S0.2W	Des.	15-Jan-03
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_engine/rf_bb	Dr.	TKOIVUSA 03-Jan-07
Proj	CBB5X	Sheet xx of yy	0 (01)
	Draw.	Print Yes v. 0	Edit 2



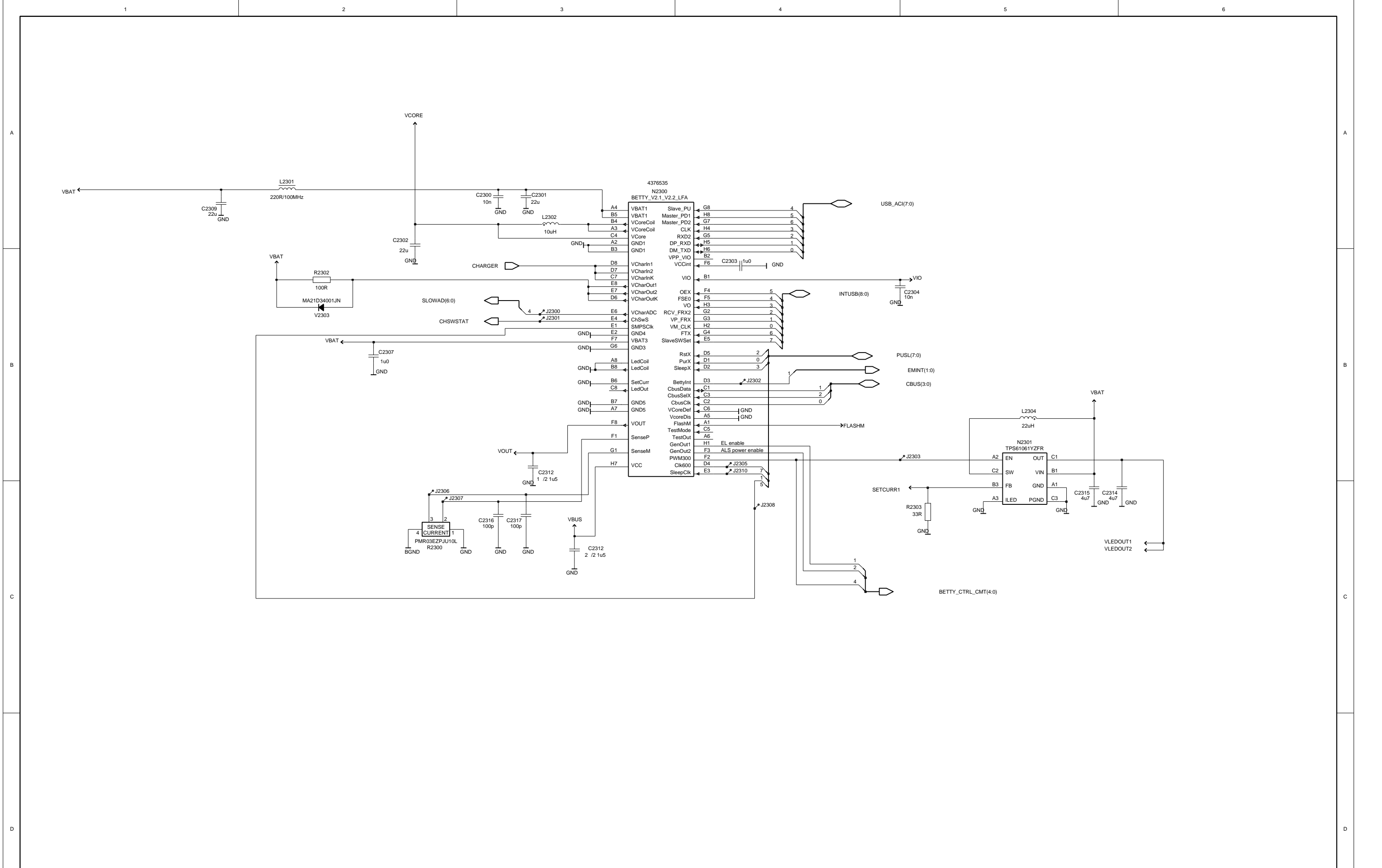
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Name	Energy management	Appr	dd-mmm-yy
Assoc	Vilbet	Des.	JARIM 26-May-04
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_engine/power	Dr.	TKOIVUSA 03-Jan-07
Proj	CeBBo2	Sheet	xx of yy 1 (01)
		Print	Yes v. Edit 2



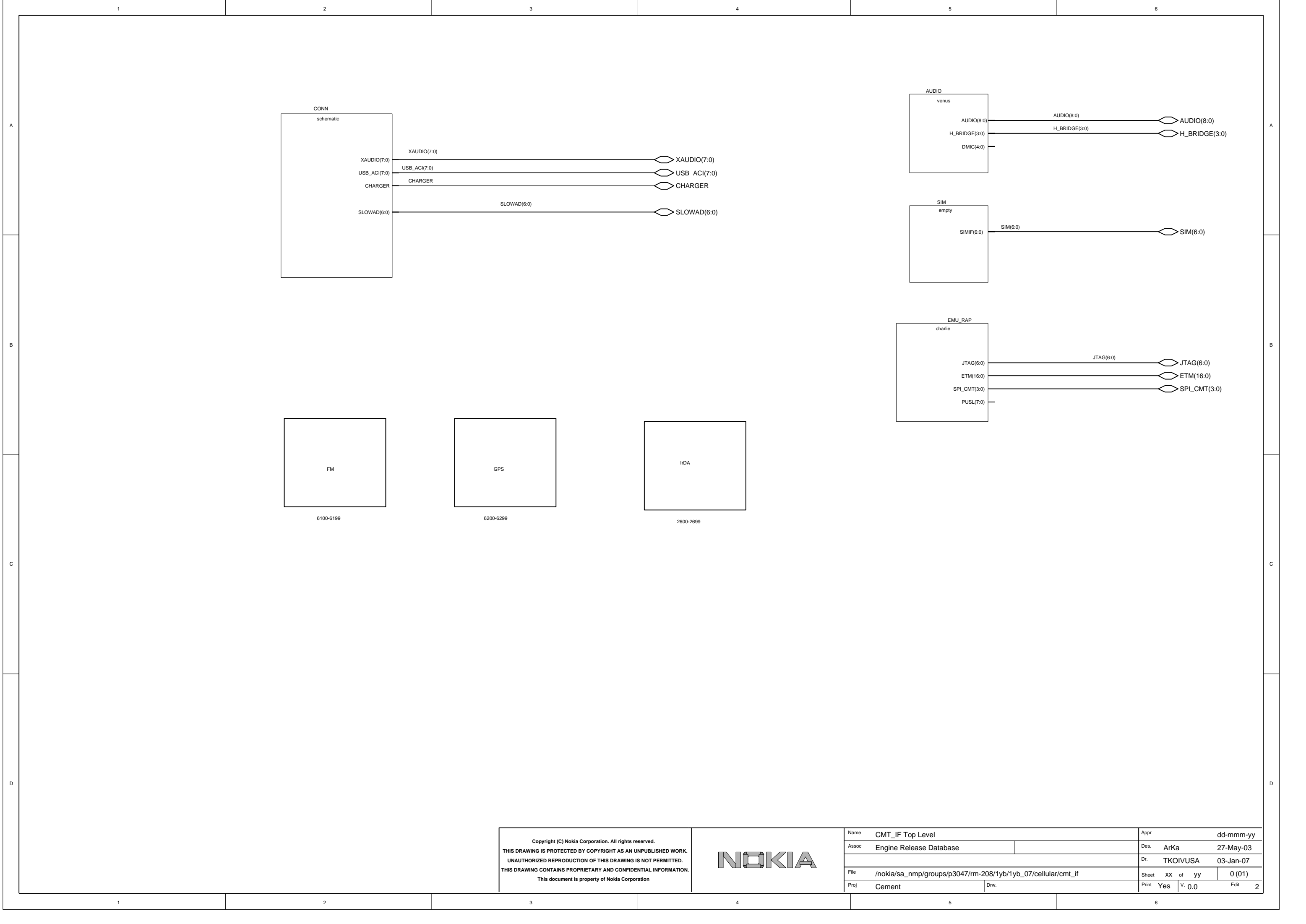
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			Assoc	1yb	Des.	TKOI/USA
		File	/nokia/sa_nmp/groups/p3047/m-208/1yb/1yb_07/cellular/cmt_engine/power/retu	Dr.	TKOI/USA	03-Jan-07
		Proj	AFRODITE	Sheet	xx of yy	0 (01)
				Print	Yes	V. 0.0
				Edt		2



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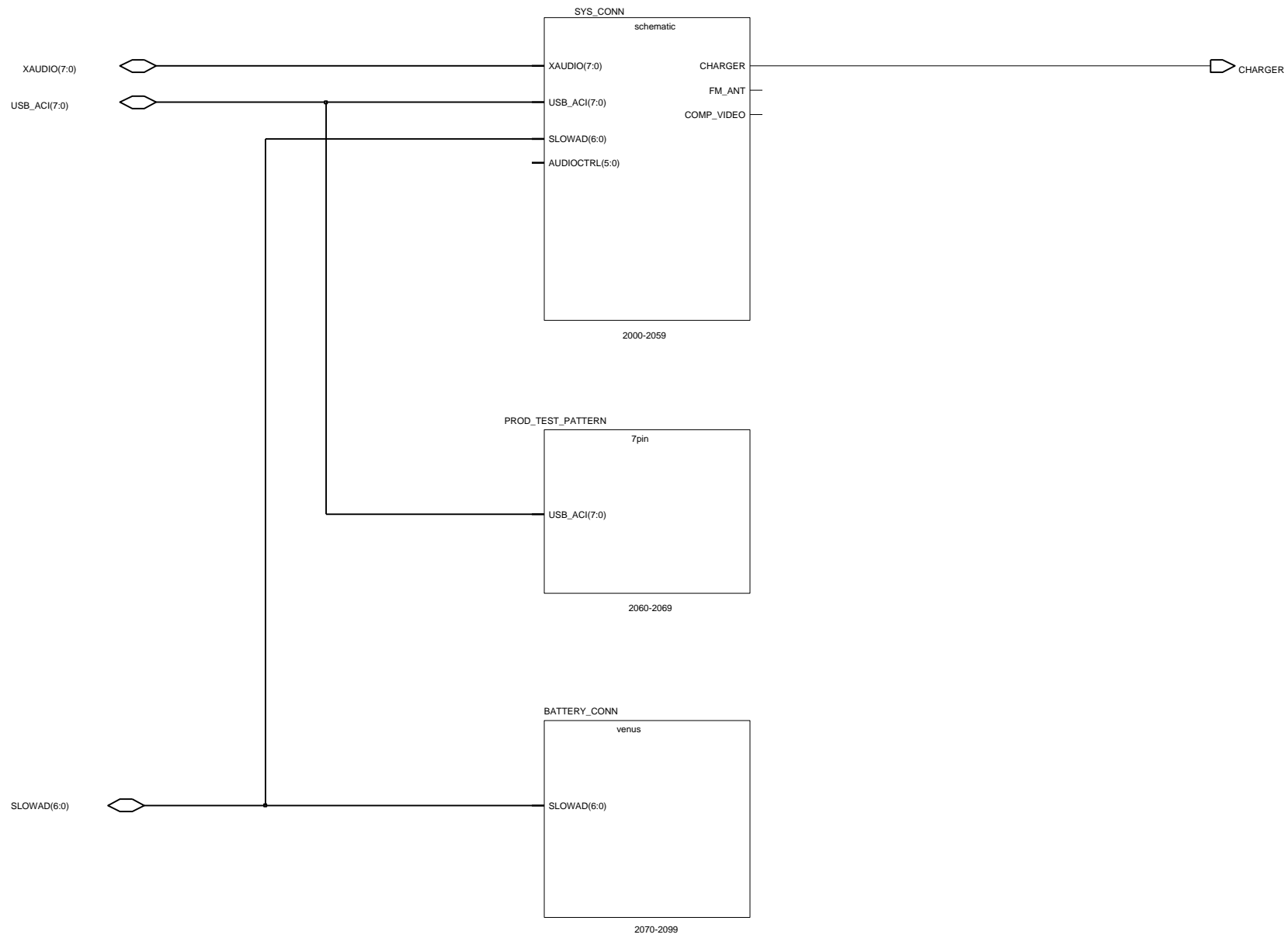
Name	Betty	Appr	10-Aug-00
Assoc	Vilbet	Des.	JARIM 10-May-04
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_engine/power/tahvo	Sheet	xx of yy 1 (01)
Proj	CeBBo2	Print	Yes v. Edit 2



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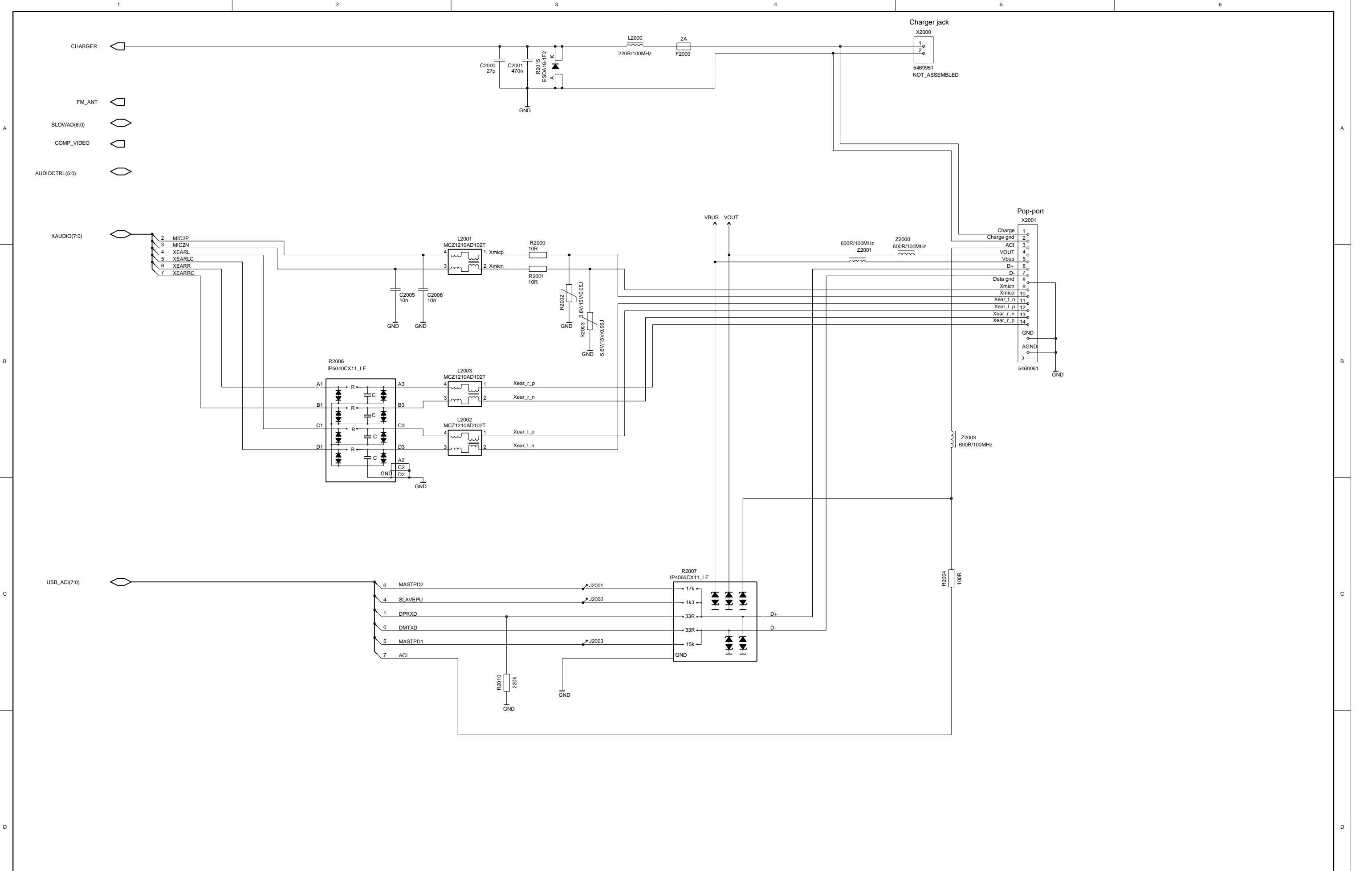
Name	CMT_IF Top Level	Appr	dd-mmm-yy
Assoc	Engine Release Database	Des.	ArKa 27-May-03
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_if	Dr.	TKOIVUSA 03-Jan-07
Proj	Cement	Sheet	xx of yy 0 (01)
		Print	Yes v. 0,0 Edit 2



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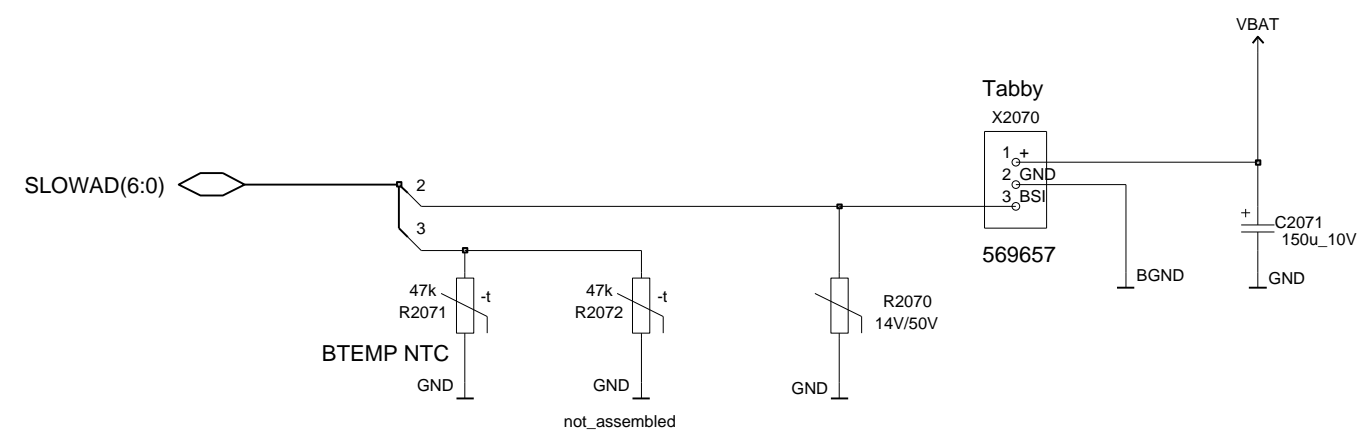
Name	System and battery connector	Appr	10-Aug-00
Assoc	Charlie S0.6	Des.	KAYRA 18-Jan-02
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_if/conn		Sheet xx of yy 1 (01)
Proj	CBB5X	Drw.	Print Yes v. 0,1 Edit 2



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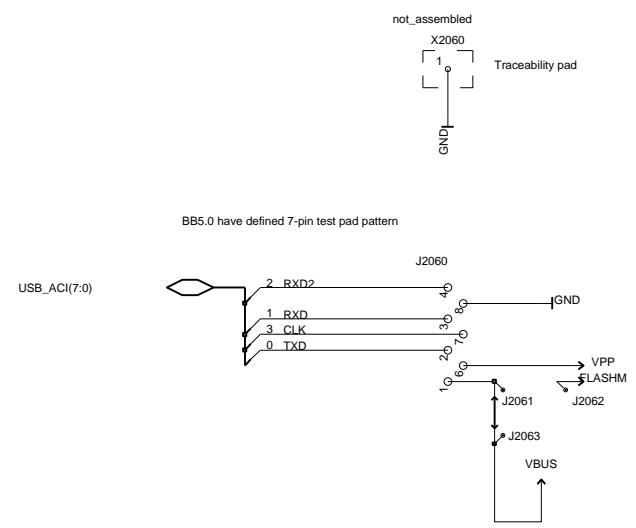


Name	System connector	Appr	10-Aug-00
Assoc	Vilbet	Des.	JARIM 10-May-04
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_if/sys_conn		Sheet xx of yy 1 (01)
Proj	CeBBo2	Print	Yes v. Edit 2



R2071 Placement is fixed according Thermal simulation. If placement need to be changed IT WILL NEED NEW SIMULATION !!!

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		Assoc		Des. elahteen 04-Nov-05			
				Dr. TKOIVUSA 03-Jan-07			
		File /nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_if/battery_conn		Sheet XX of yy 0 (01)			
		Proj Postman		Drw.		Print Yes V. 0.0 Edit 2	



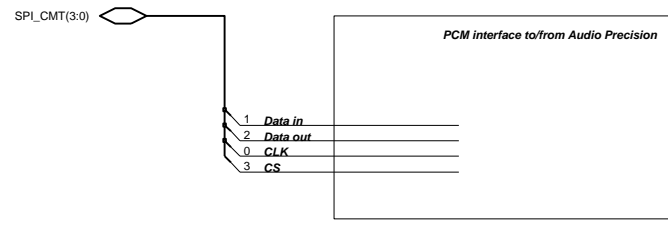
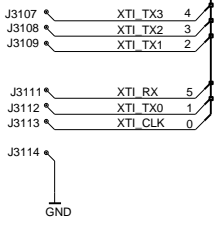
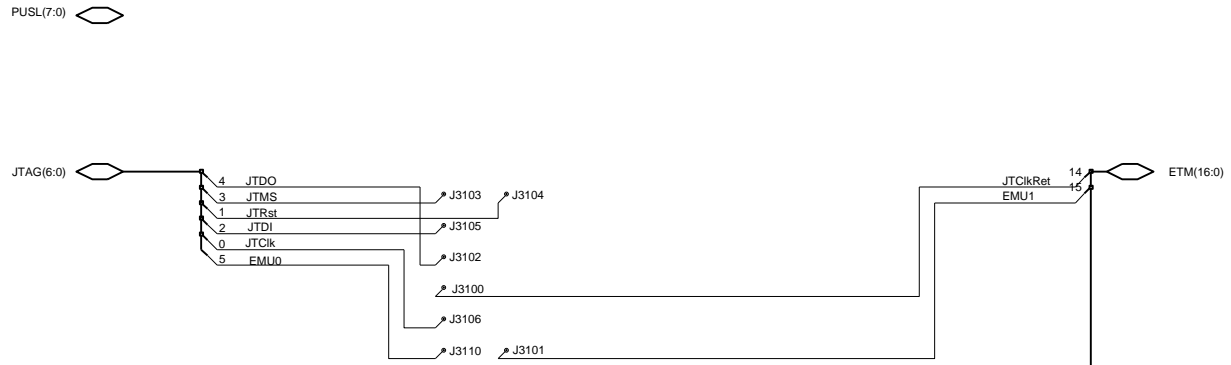
NOTE !! ABOUT VBUS & FLASHM PRODUCT SPECIFIC ISSUE !!!!
J2061-J2062 Should be placed as near as possible to each other
And signal between J2061 & J2062 Will be Left unrouted
This Way FlashM Can be Left as a backup for flashing activation

FLASHM = VBat; flashing possible
 FLASHM = floating; USB possible

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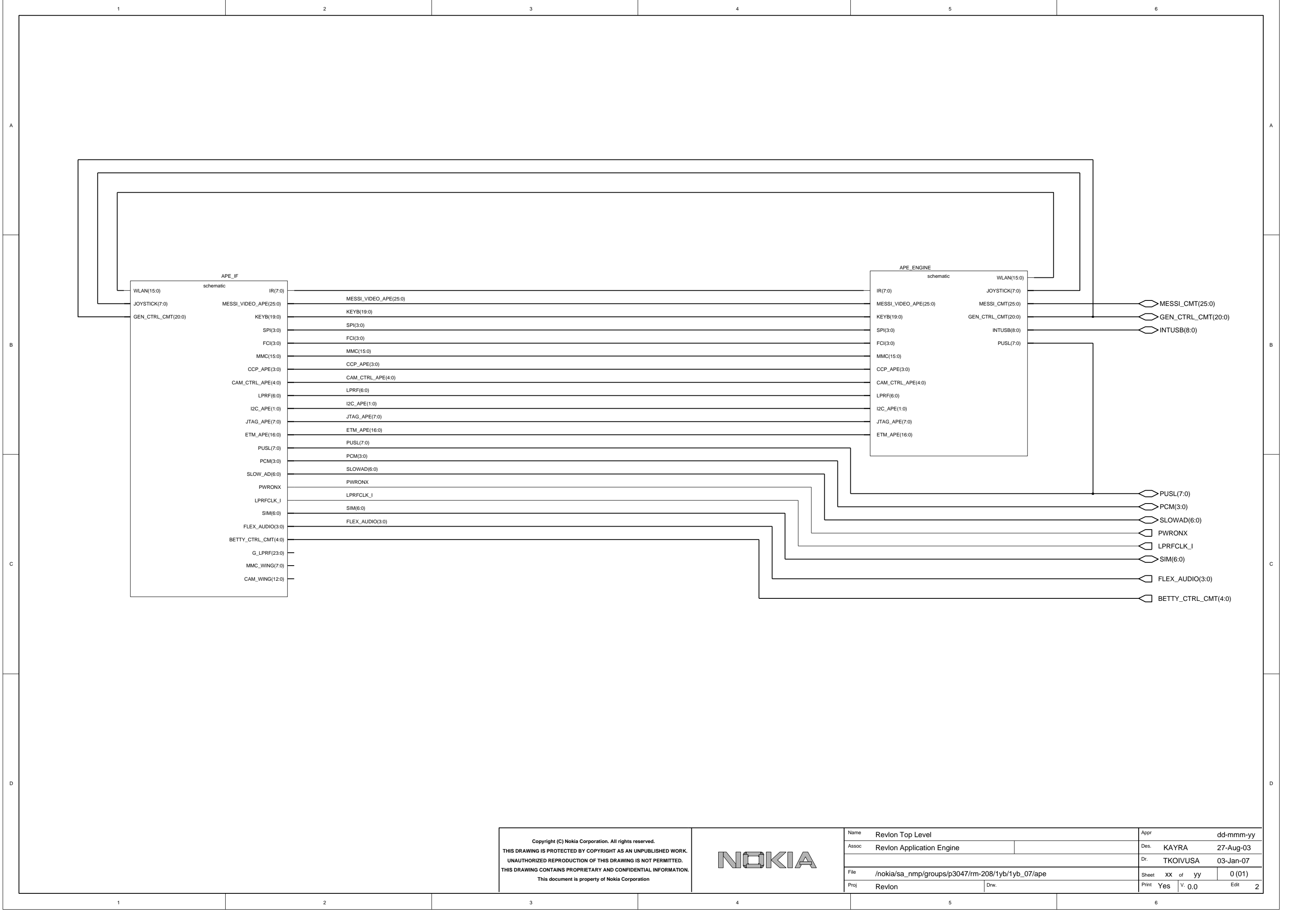
Name	Production test pad	Appr	10-Aug-00
Assoc	Charlie S0.6	Des.	KAYRA 18-Jan-02
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_if/prod_test_pattern		Sheet xx of yy 1 (01)
Proj	CBB5X	Draw.	Print Yes v. 0,1 Edit 2



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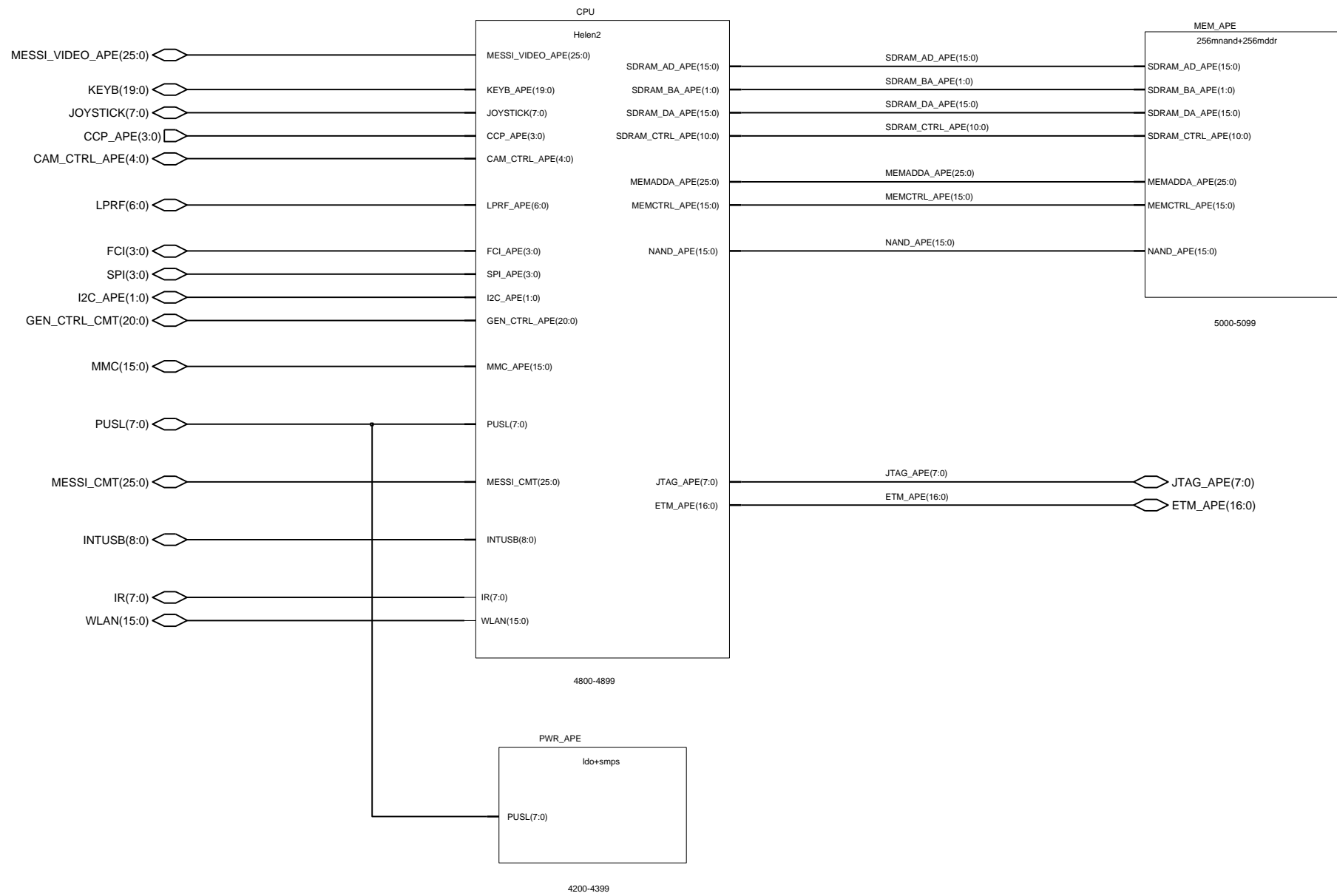
Name	Test Interface	Appr	dd-mmm-yy
Assoc	Charlie S0.6	Des.	KAYRA 04-Jun-98
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/cellular/cmt_if/emu_rap		Sheet xx of yy 1 (01)
Proj	CBB5X	Drw.	Print Yes V. 1.3 Edit 2



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Name	Revlon Top Level	Appr	dd-mmm-yy
Assoc	Revlon Application Engine	Des.	KAYRA 27-Aug-03
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape	Dr.	TKOIVUSA 03-Jan-07
Proj	Revlon	Sheet	xx of yy 0 (01)
		Print	Yes v. 0.0 Edit 2



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Name	Ape Engine	Appr	dd-mmm-yy
Assoc	Revlon Application Engine	Des.	KAYRA 27-Aug-03
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_engine		Sheet xx of yy 0 (01)
Proj	Revlon	Draw.	Print Yes v. 0.0 Edit 2

A

B

C

D

A

B

C

D

MEMADDA_APE(25:0)

MEMCTRL_APE(15:0)

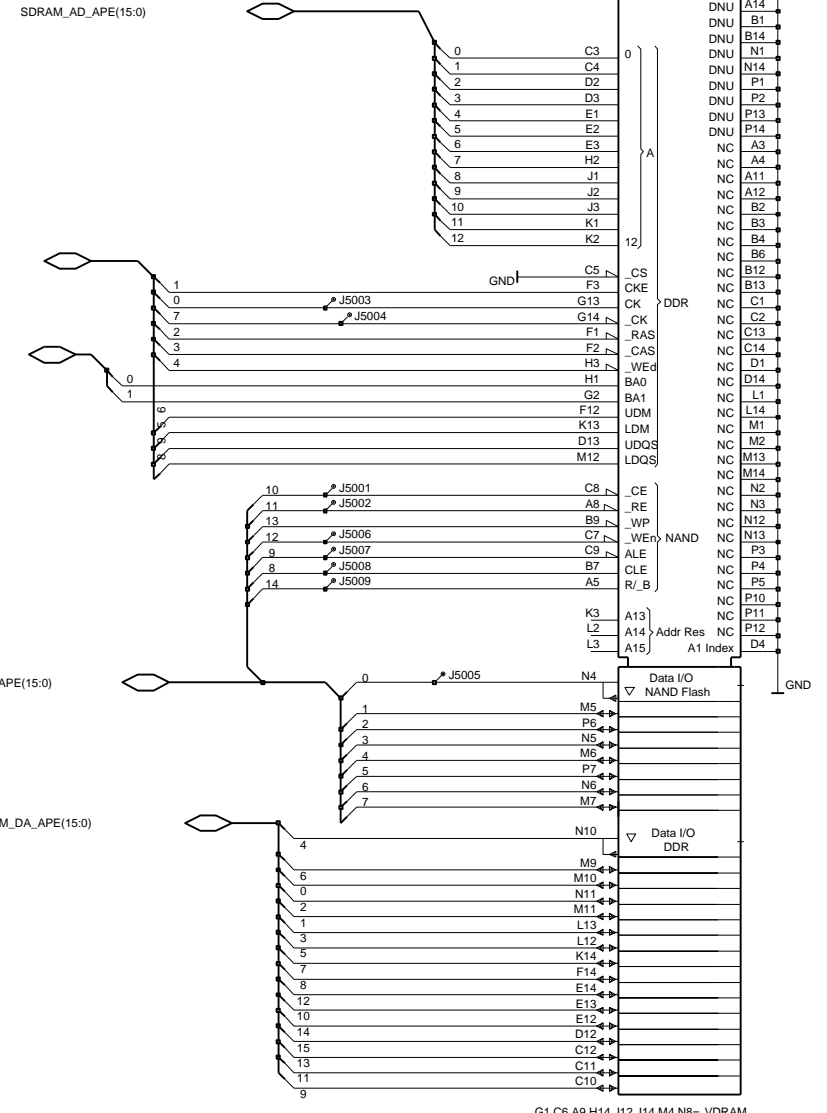
SDRAM_AD_APE(15:0)

SDRAM_CTRL_APE(10:0)

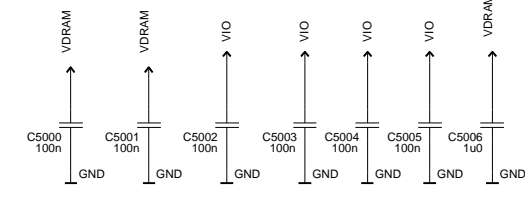
SDRAM_BA_APE(1:0)

NAND_APE(15:0)

SDRAM_DA_APE(15:0)



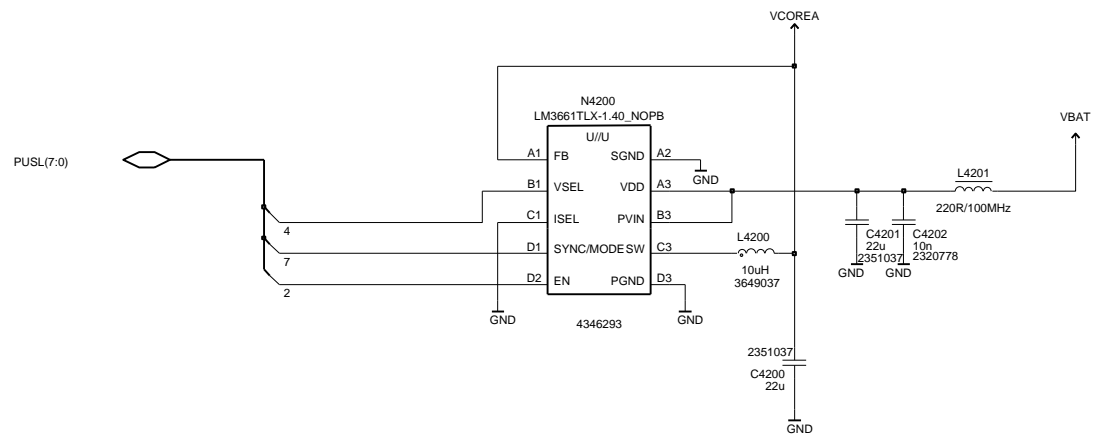
G1,C6,A9,H14,J12,J14,M4,N8= VDRAM
 B11,M8,H13,J13= VIO
 A6= VIO
 N7= VIO
 B5,B10,G3,G12,H12,M3,N9= GND
 A10,F13,K12,P9= GND
 A7,B8,P8= GND



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Name	APE Memories	Appr	10-Aug-00
Assoc	Charlie S0.6	Des.	KAYRA 11-Apr-2001
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_engine/mem_ape	Dr.	TKOIVUSA 03-Jan-07
Proj	CBB5X	Sheet	xx of yy 1 (01)
		Print	Yes v. 0,1 Edit 2

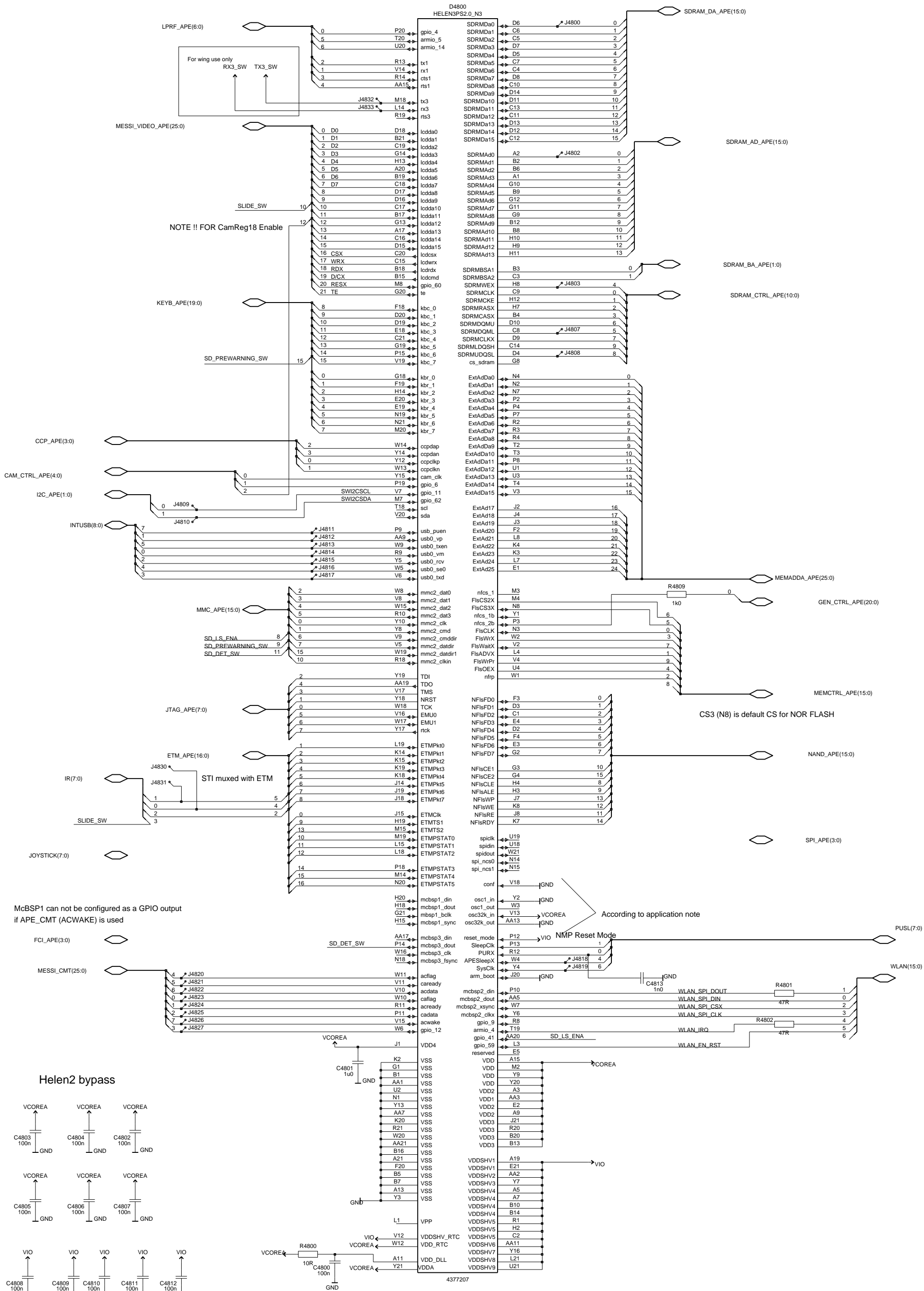


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Name	Discrete regulators	Appr	10-Aug-00
Assoc	Charlie S0.6	Des.	KAYRA 15-Jan-03
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_engine/pwr_ape		Sheet xx of yy 1 (00)
Proj	CBB5X	Drw.	Print Yes V. 0,1 Edit 2

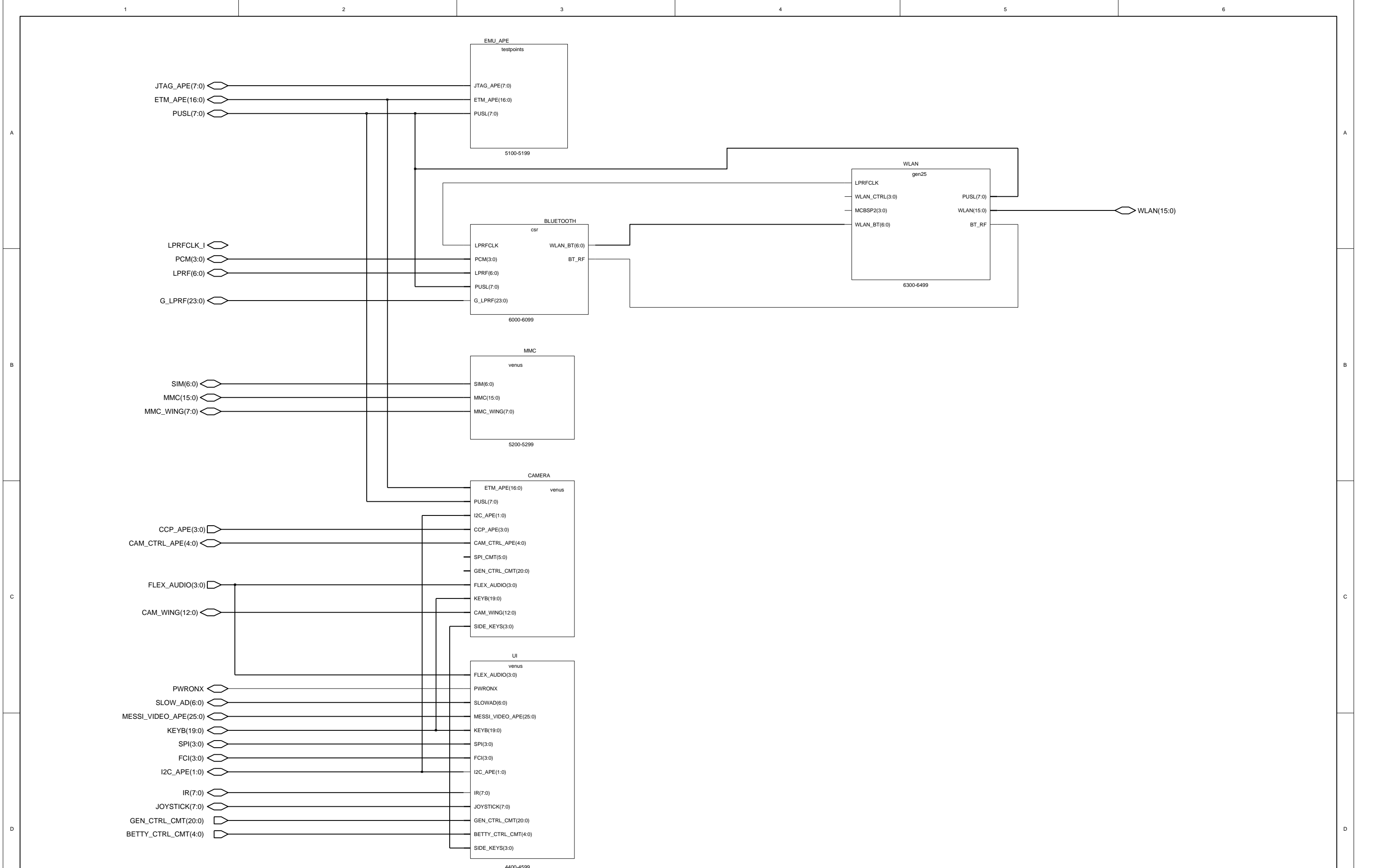
See Helen2_3 uses cases before remapping pins
 Not pin compatible with Helen3 (OMAP1710)



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Name	Helen2	Appr	dd-mmm-yy
Assoc	1yb	Des.	KAYRA 27-Aug-03
		Tech	Revlon
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_engine/cpu	Sheet	xx of yy 1 (01)
Proj	AFRODITE	Print	Yes V. 02 Edit 2

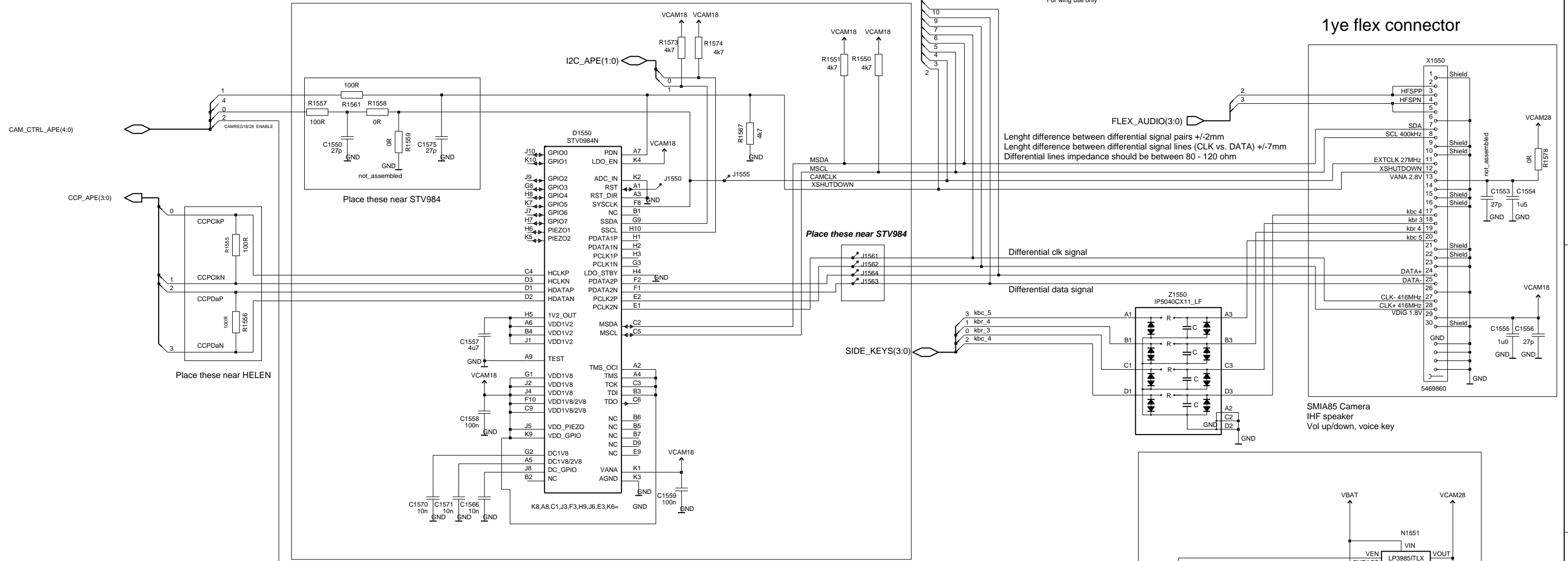


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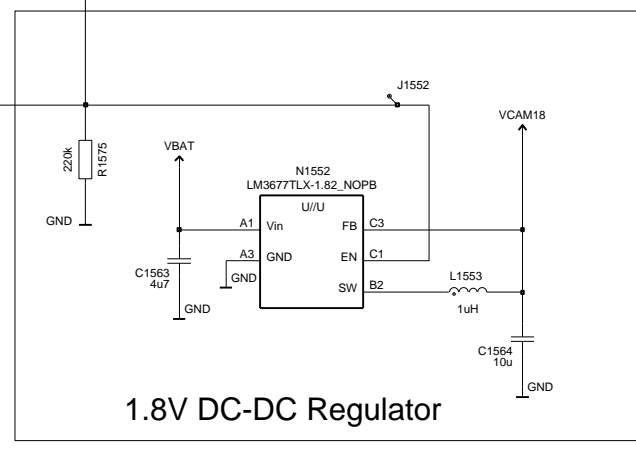
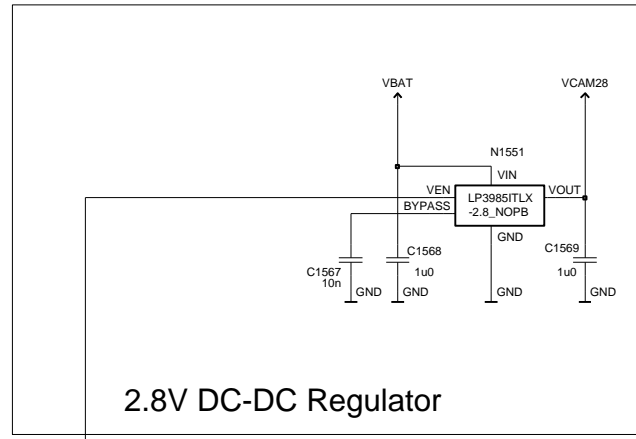


Name	Appr	dd-mmm-yy
Assoc	Des.	27-May-03
	Dr.	TKOIVUSA 03-Jan-07
File	Sheet xx of yy	01
Proj	Print Yes	V. 0,0 Edit 2

STV984



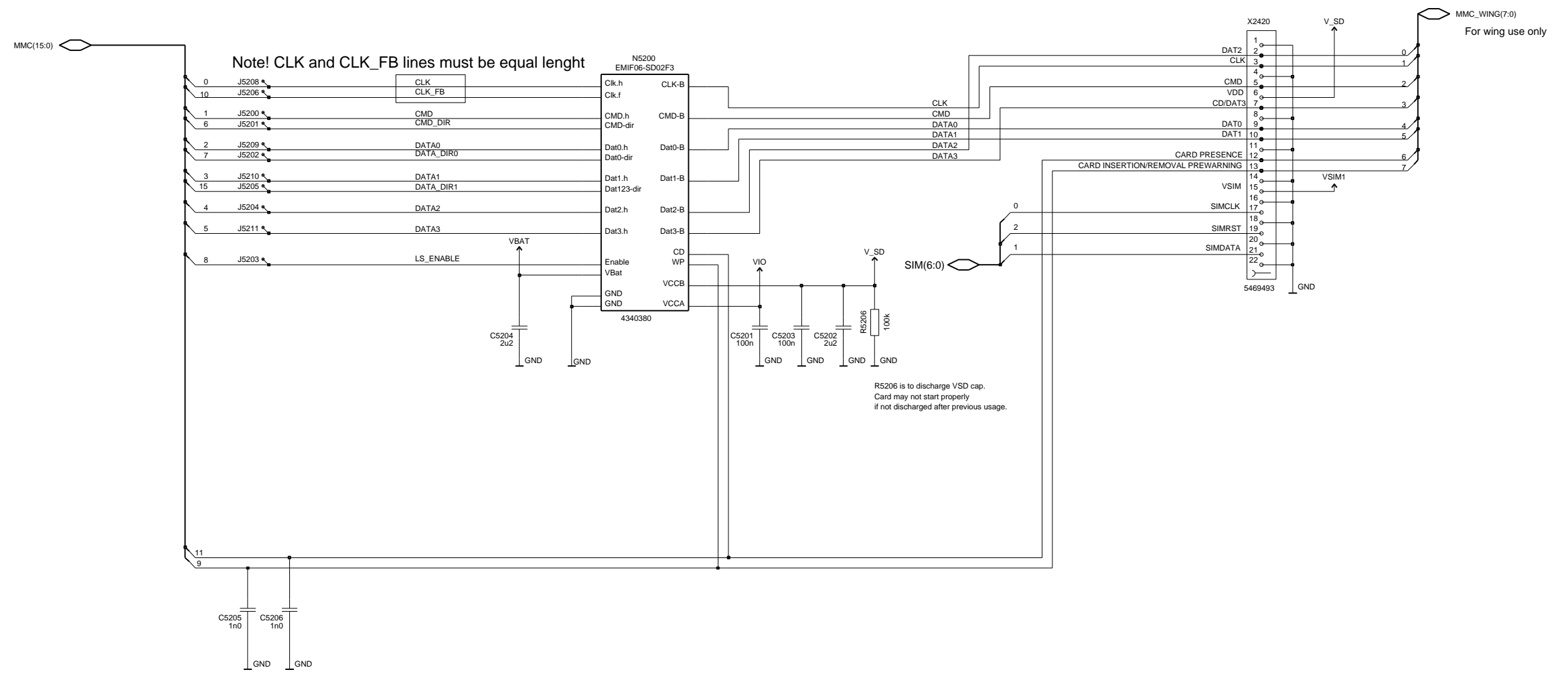
- KEYB(19:0)
- ETM_APE(16:0)
- PUSL(7:0)
- GEN_CTRL_CMT(20:0)
- SPL_CMT(5:0)



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Name	STV984+SMA85	Appr	dd-mmm-yy
Assoc	1yb	Des.	elahteen 04-Nov-05
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_if/camera	Dr.	TKOIVUSA 03-Jan-07
Proj	AFRODITE	Sheet	xx of yy 0 (01)
Draw.		Print	Yes v. 0.0 Edit 3



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Name	MMC	Appr	dd-mmm-yy
Assoc	1ax	Des.	KAYRA 11-Apr-2001
		Tech	Revlon
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_if/mmc		Sheet xx of yy 1 (01)
Proj	CHARLIE	Drw.	Print Yes v. 02 Edit 3

JOYSTICK(7:0)

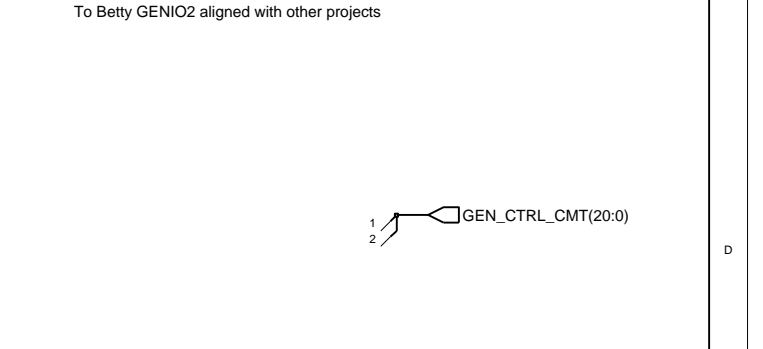
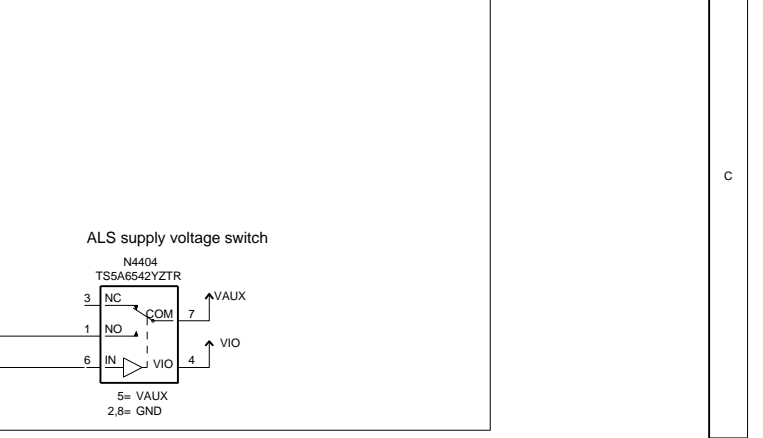
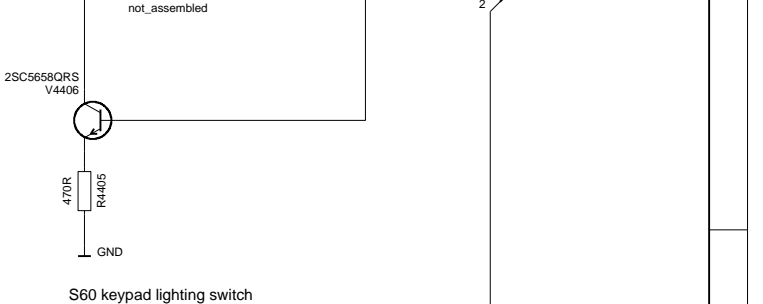
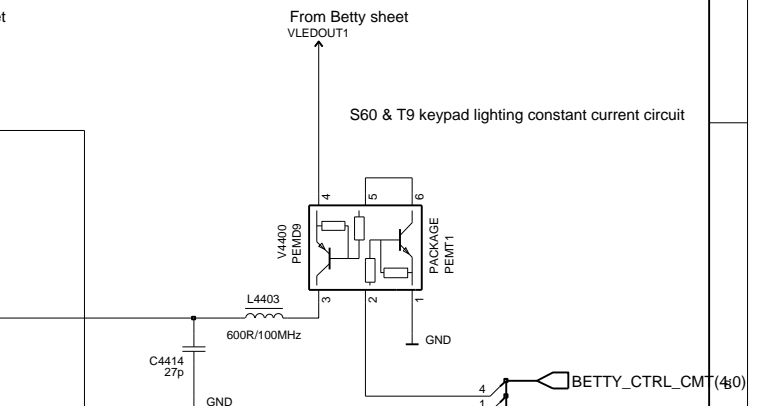
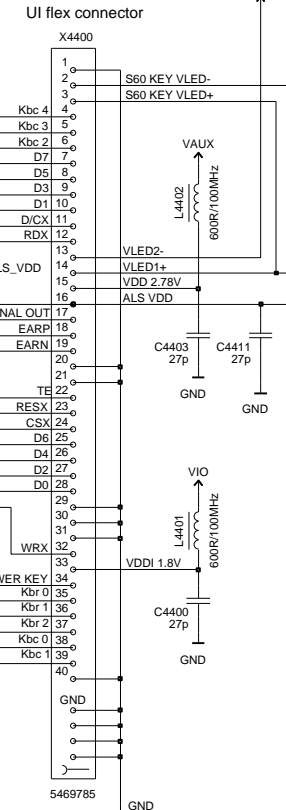
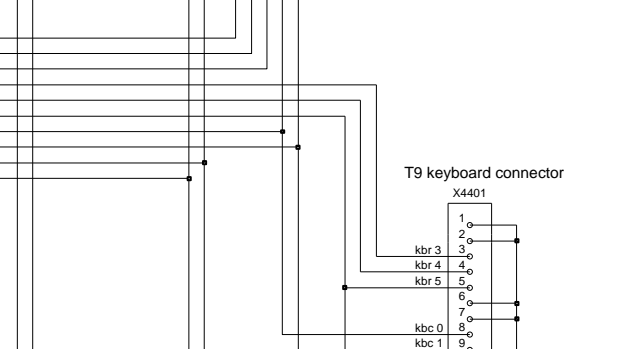
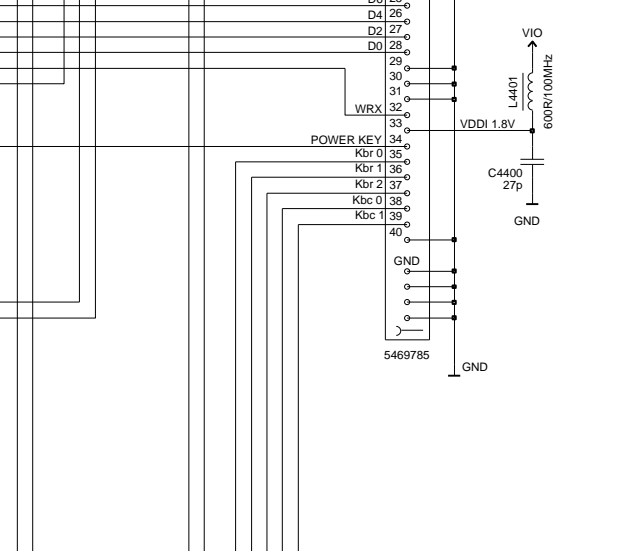
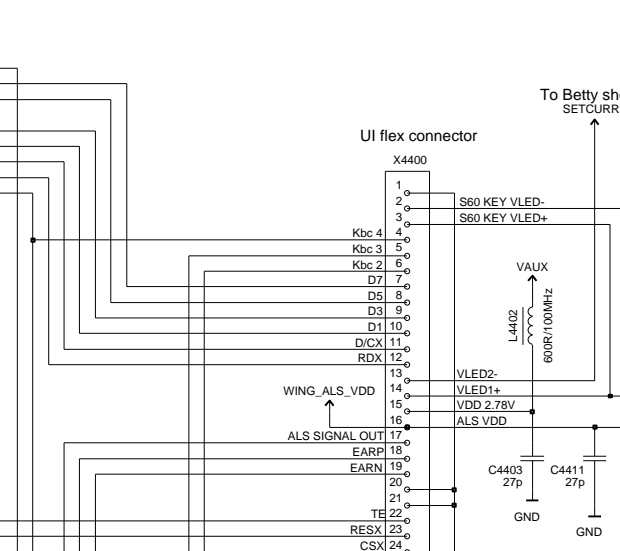
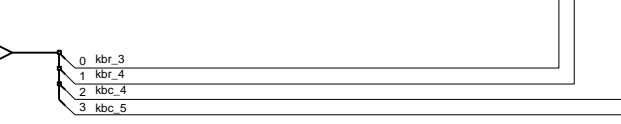
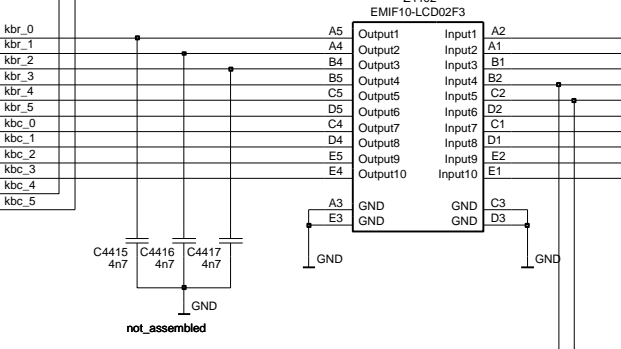
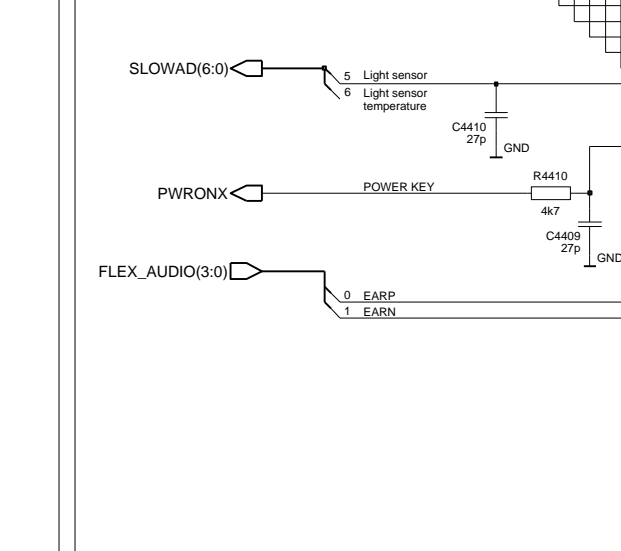
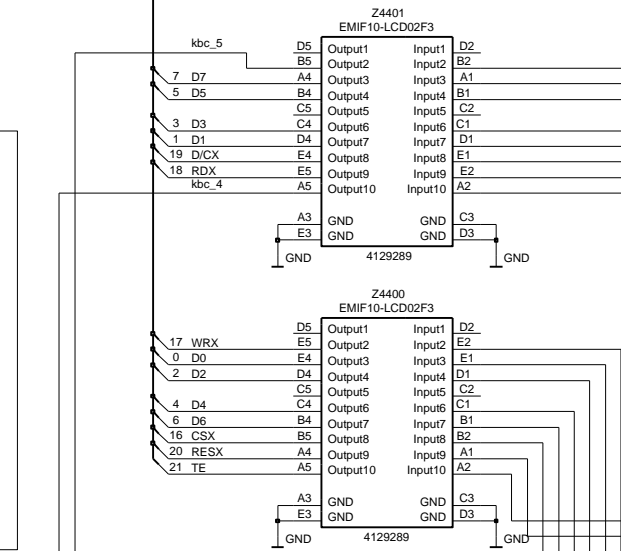
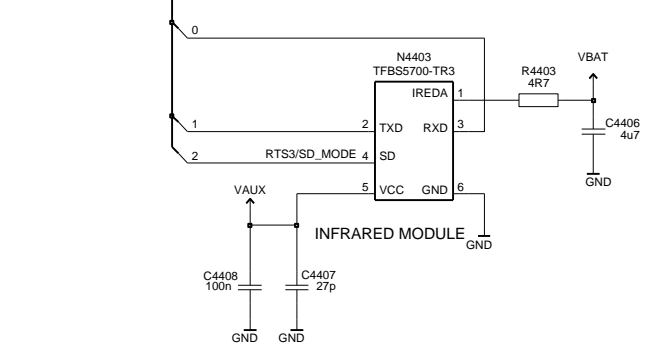
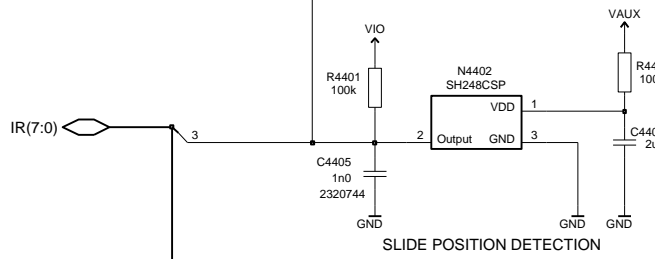
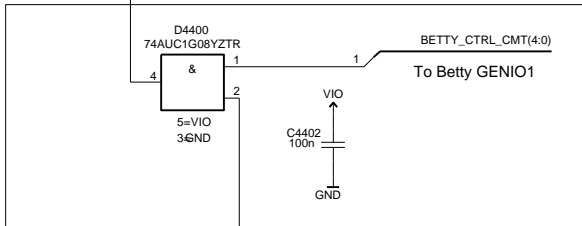
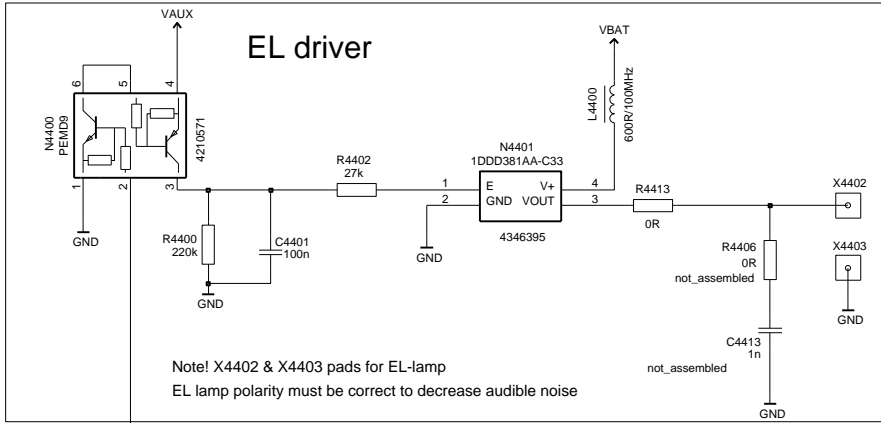
I2C_APE(1:0)

SPI(3:0)

FC(3:0)

MESSI_VIDEO_APE(25:0)

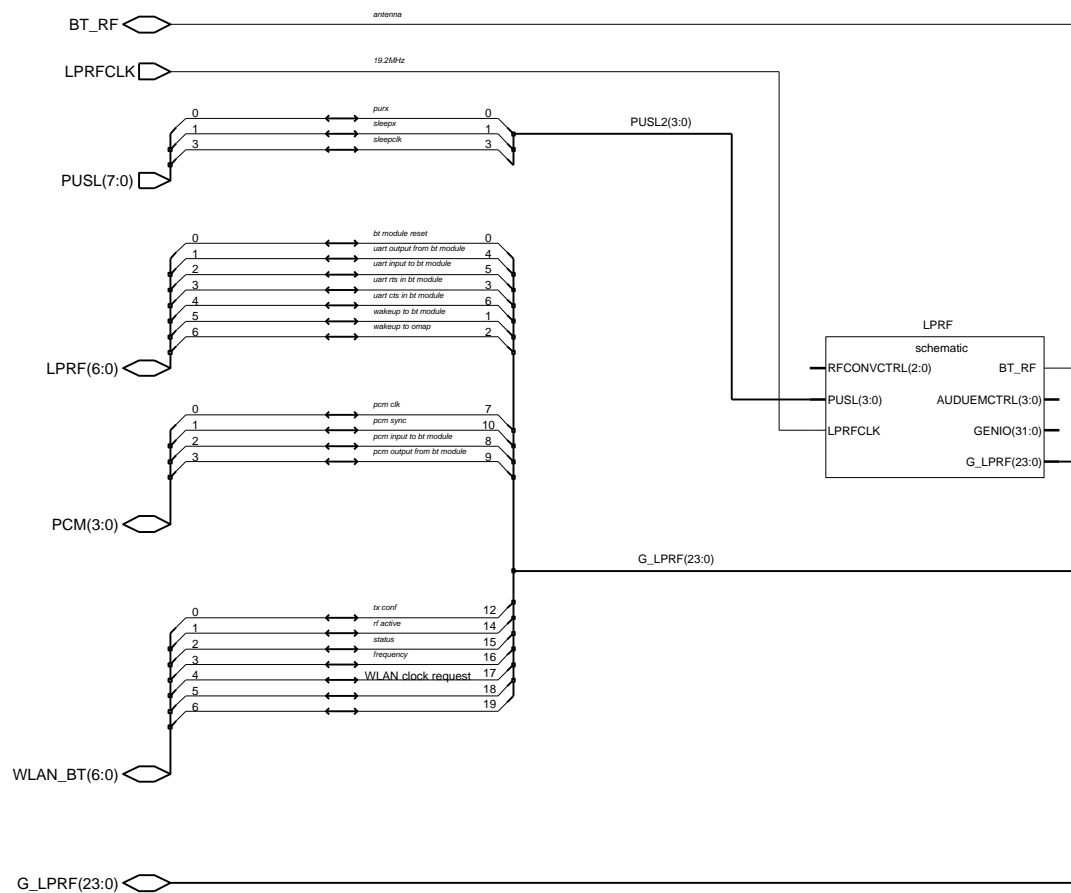
Module has 33kOhm internal resistor in enable line together with R4402 they will limit enable current.
 Small current => EL lamp will discharge slowly => a bit dimmer lamp and less audible noise
 Enable current must be between 10 - 50uA, with 82k external resistor current will be 27.8 - 36.5uA
 (VBAT varying between 3.2 - 4.2V)



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Name	UI	Appr	dd-mmm-yy
Assoc	1yb	Des.	15-Jan-03
		Tech	Revlon
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_if/ui		Sheet xx of yy 0 (01)
Proj	AFRODITE	Print	Yes v. 02 Edit 2



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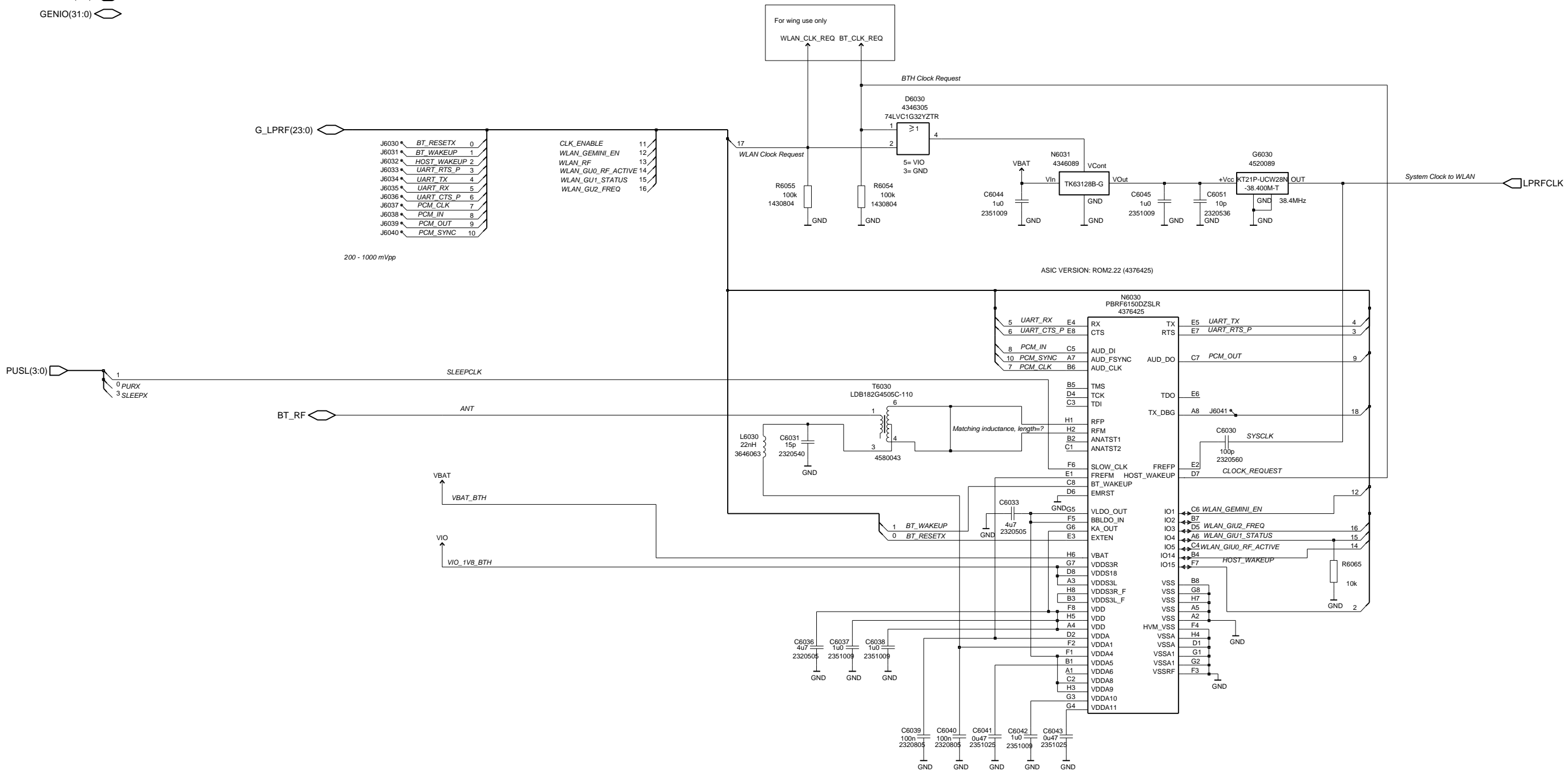


Name	CSR Bluetooth Interface	Appr	dd-mmm-yy
Assoc		Des.	KAYRA 29-Aug-03
	Tech BlueBird	Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_if/bluetooth	Sheet	xx of yy 0 (01)
Proj	Drw.	Print	Yes v. 02 Edit 2

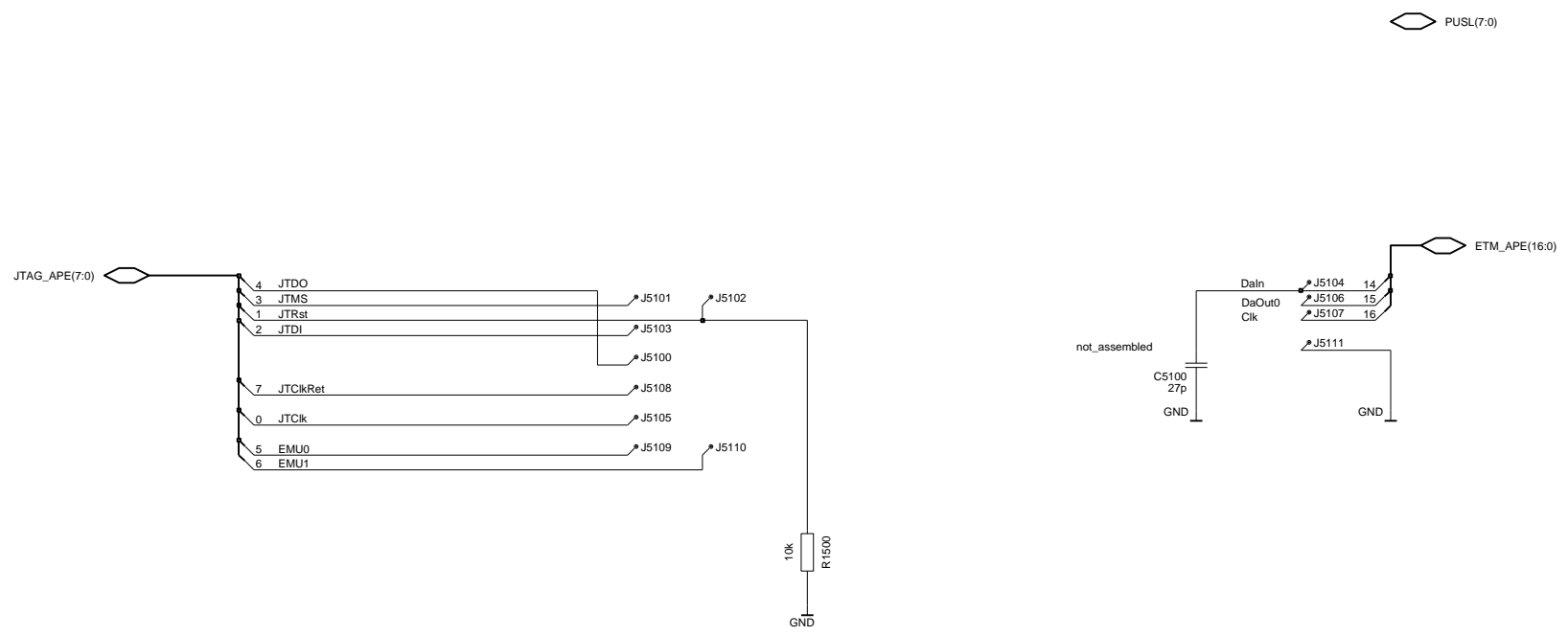
BTHCOST_3.0 (TI NON-BUFF)

BLUETOOTH CIRCUIT

- RFCONVCTRL(2:0)
- AUDUEMCTRL(3:0)
- GENIO(31:0)



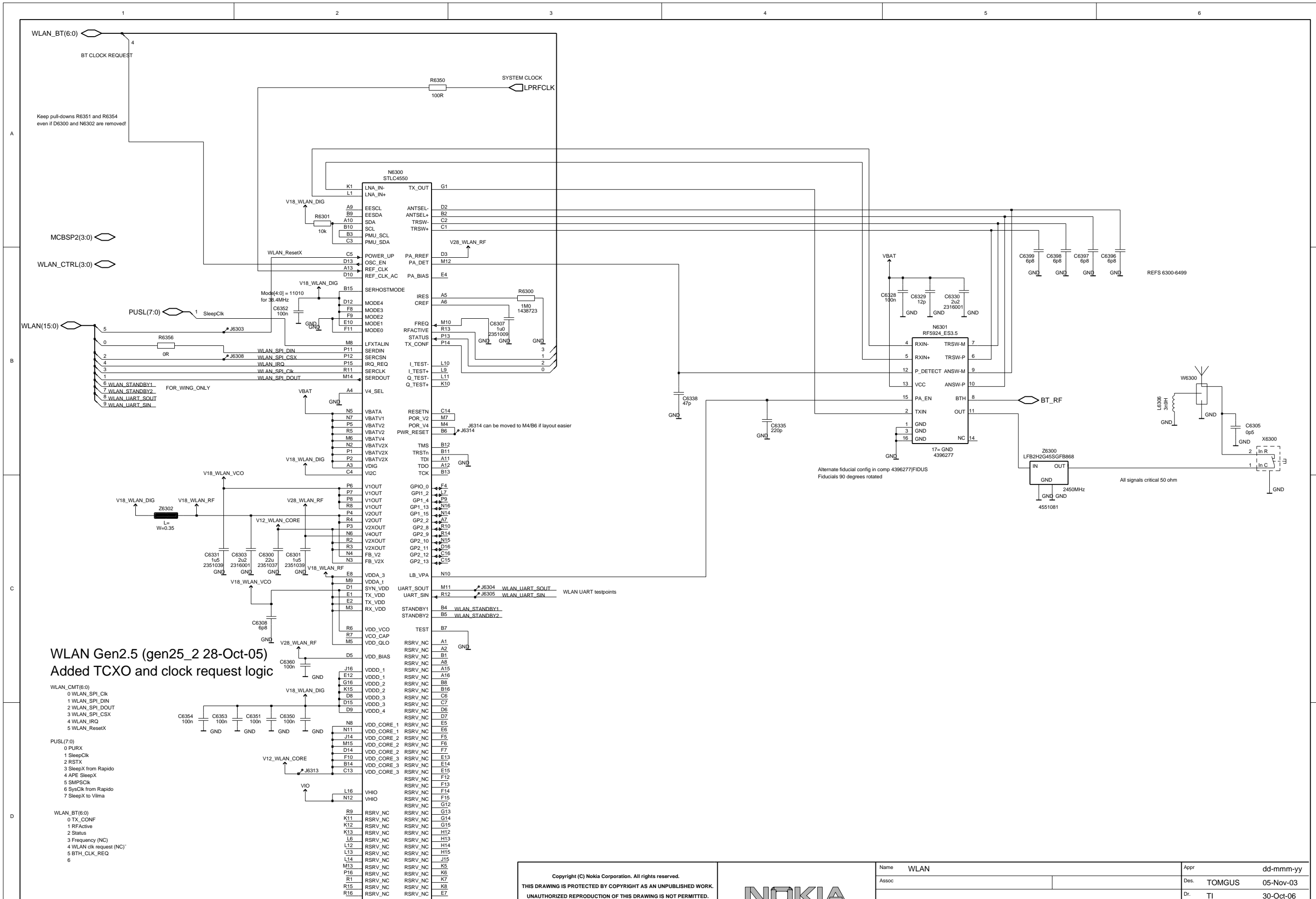
Name	BTHCOST 3.0	Appr	dd-mmm-yy
Assoc		Des.	TI 13-Feb-06
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_hw/ape/ape_if/lprf	Dr.	STA 29-Aug-06
Proj	AFRODITE	Sheet	xx of yy 0 (01)
Draw.		Print	Yes v. 0.0 Edit 25



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Name	JTAG + ETM	Appr	dd-mmm-yy
Assoc	1yb	Des.	ILJARVIN 29-Aug-03
		Dr.	TKOIVUSA 03-Jan-07
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ape/ape_if/emu_ape		Sheet xx of yy 1 (01)
Proj	AFRODITE	Drw.	Print Yes v. 02 Edit 2



WLAN Gen2.5 (gen25_2 28-Oct-05)
Added TCXO and clock request logic

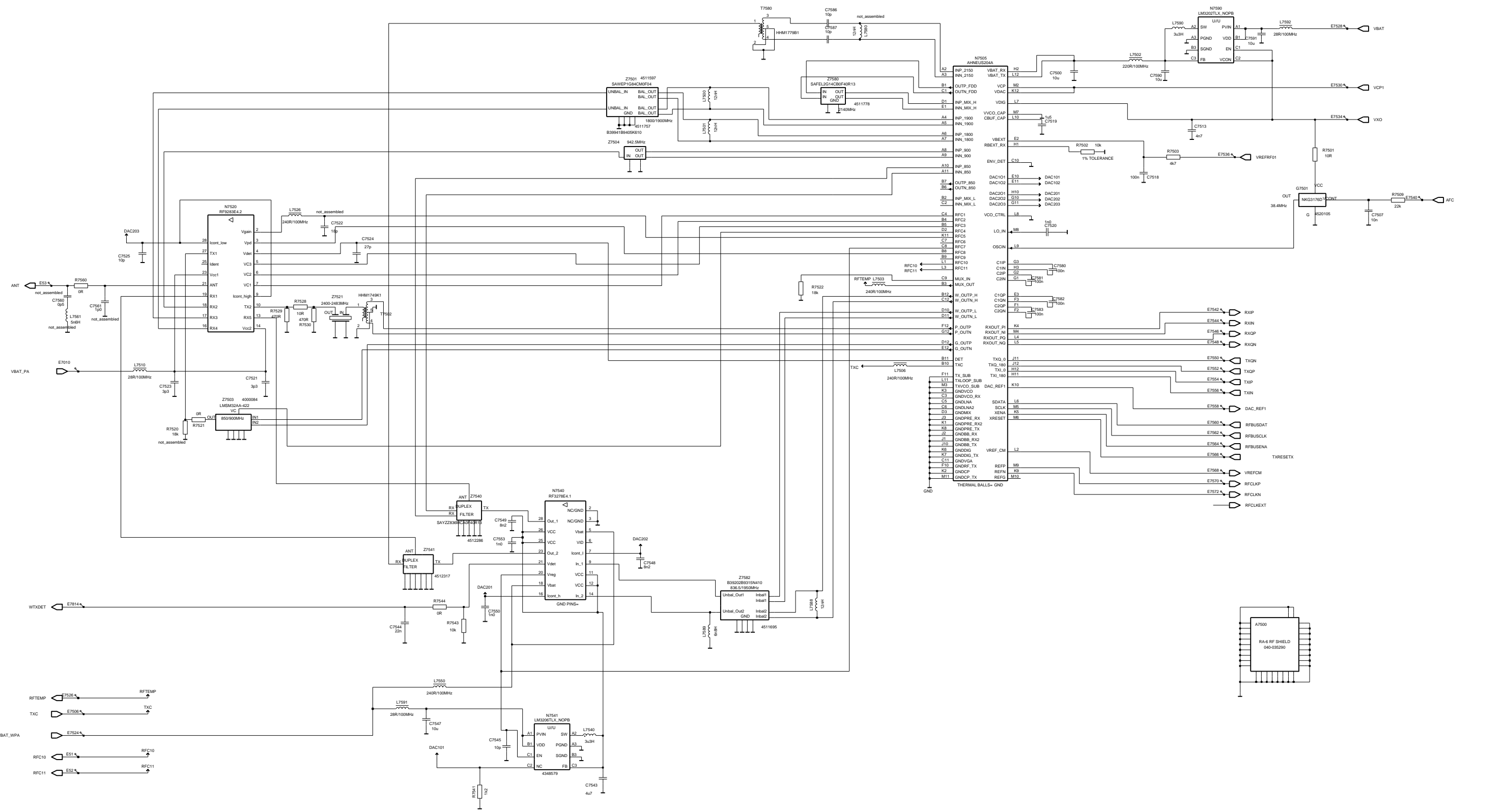
- WLAN_CMT(8:0)
 - 0 WLAN_SPI_Clk
 - 1 SleepCk
 - 2 WLAN_SPI_DIN
 - 3 WLAN_SPI_DOUT
 - 4 WLAN_SPI_CSX
 - 5 WLAN_IRQ
 - 6 WLAN_ResetX
- PUSL(7:0)
 - 0 PURX
 - 1 SleepCk
 - 2 RSTX
 - 3 SleepX from Rapido
 - 4 APE SleepX
 - 5 SMPSCk
 - 6 SysCk from Rapido
 - 7 SleepX to Vima
- WLAN_BT(6:0)
 - 0 TX_CONF
 - 1 RFActive
 - 2 Status
 - 3 Frequency (NC)
 - 4 WLAN clk request (NC)
 - 5 BTH_CLK_REQ
 - 6

GND PINS= GND 4396287

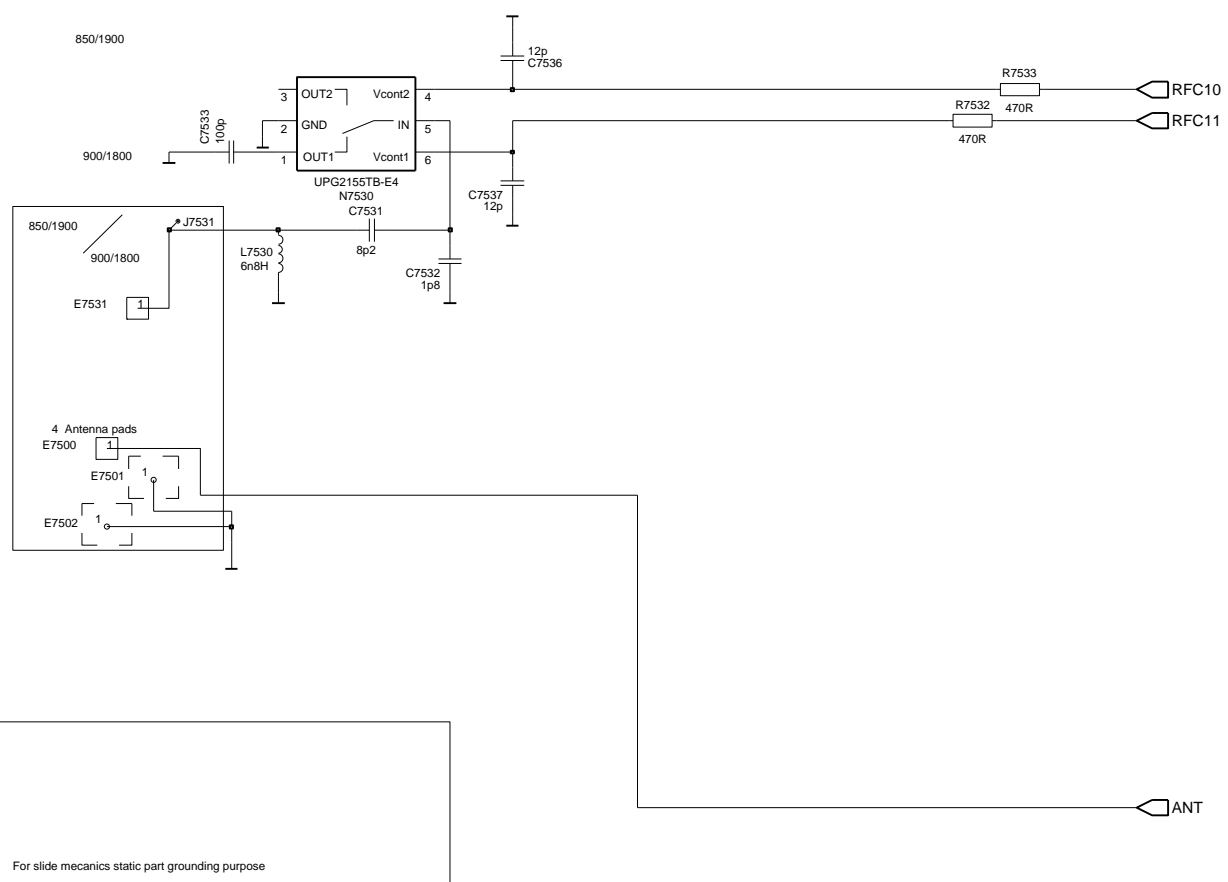
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Name	WLAN	Appr	dd-mmm-yy
Assoc		Des.	TOMGUS 05-Nov-03
		Dr.	TI 30-Oct-06
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_hw/ape/ape_if/wlan		
Proj	MARS	Sheet	xx of yy 0 (01)
		Print	Yes v. 0.0 Edit 41



Mutant for Xtra ground tuning to cover Qband GSM + EU WCDMA



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Name	Afrodite antenna interface	Appr	dd-mmm-yy
Assoc	Mutant	Des.	TI 30-Jan-06
		Dr.	TI 21-Dec-06
File	/nokia/sa_nmp/groups/p3047/rm-208/1yb/1yb_07/ant_band	Sheet	xx of yy 0 (01)
Proj	P3047 Afrodite	Print	Yes v. 0.0 Edit 2

