

Nokia Customer Care

Service Manual

**RM-409; RM-417 (Nokia 5320 XpressMusic;
L3&4)**

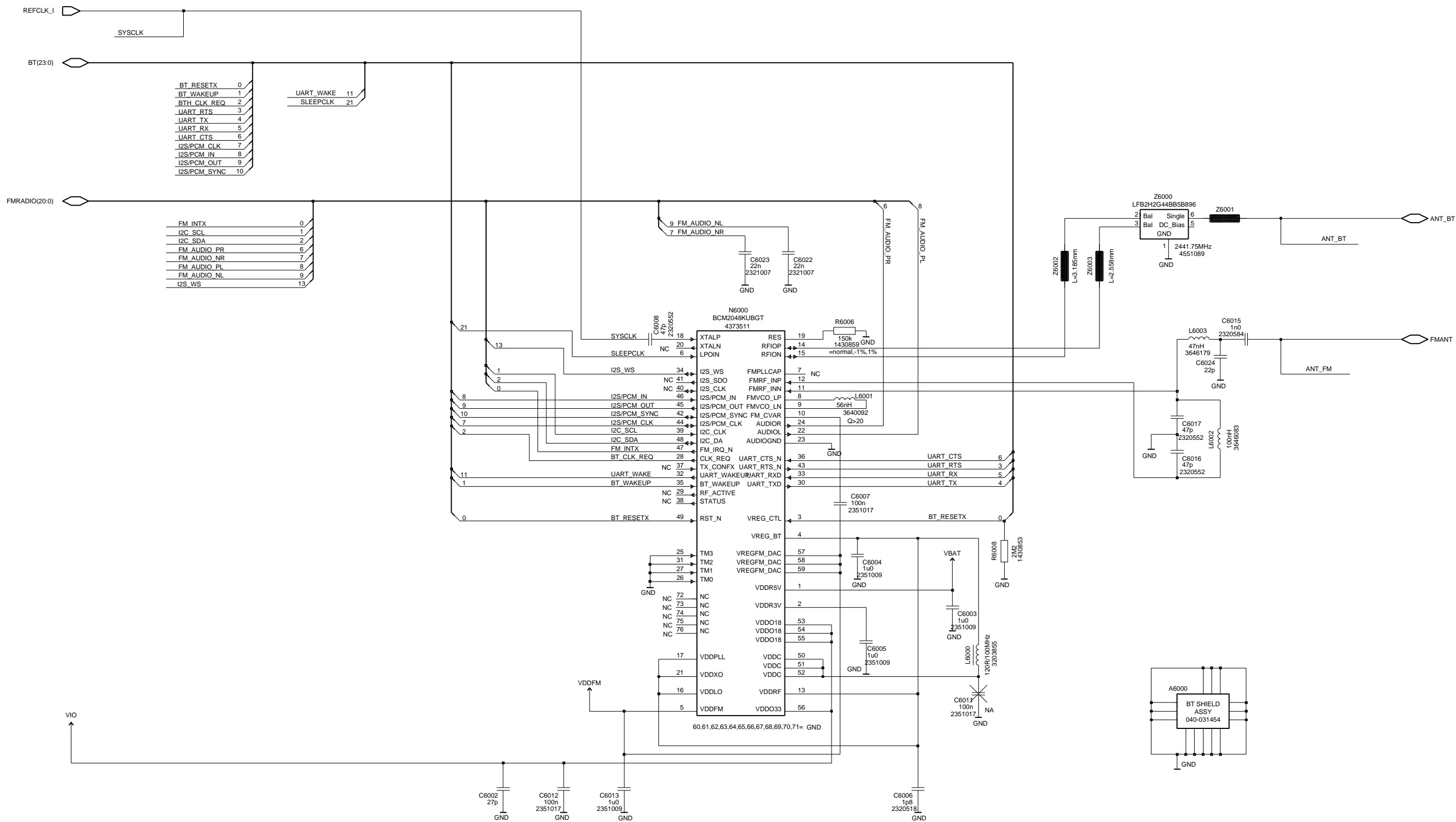
Schematics

Part No: (Issue 3)

COMPANY CONFIDENTIAL



BLUETOOTH & FM RADIO DISCRETE

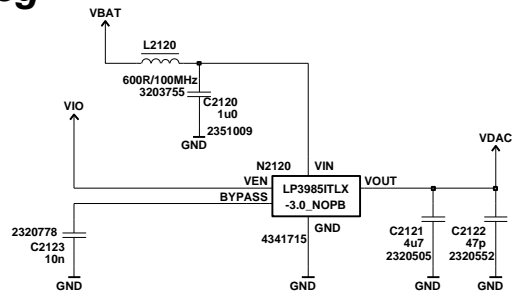


Notes.

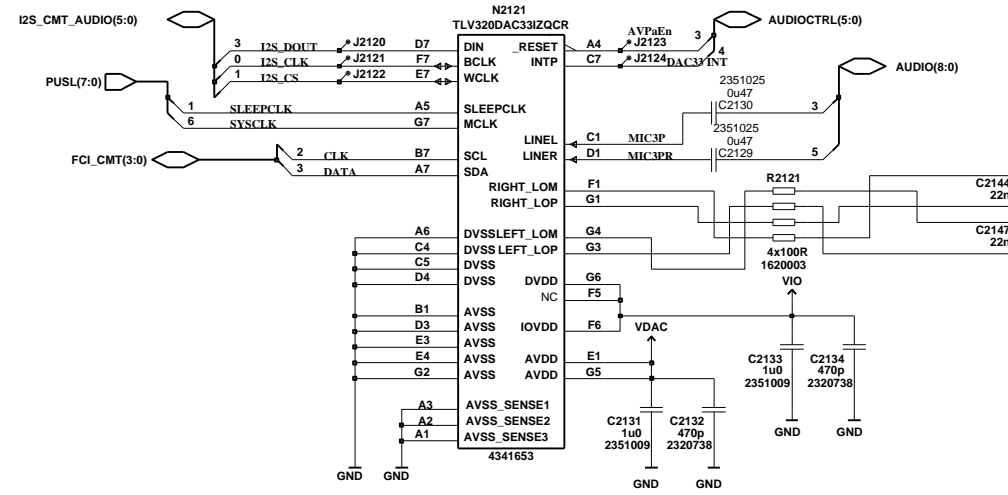
- 1) 3k3 Pull-up Resistors are required on I2C_SCL & I2C_SDA
- 2) Additional test components for phone wing boards are given in BTHfmrds2.0_Test Schematic
- 3) E6033 will be used in future release for 1.8V operation.

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Name	BTFM RDS 2.0D (2+4+2)	Appr	dd-mmm-yy																				
Assoc		Des.	06-Sep-06																				
		Dr.	26-Feb-08																				
File		Sheet	1 of 1 0 (01)																				
Proj		Print	Yes V. 0.0 Edit 20																				

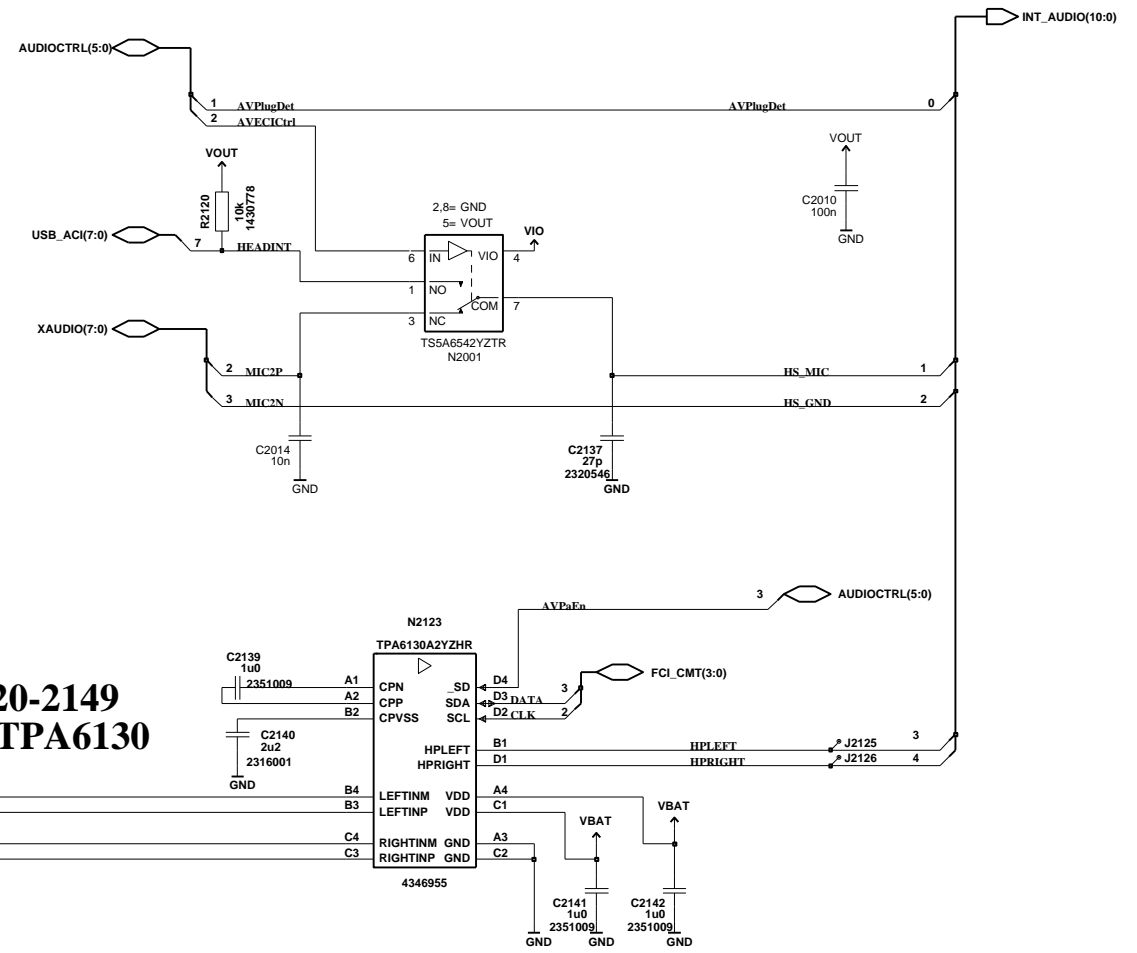
VDAC reg



DAC33



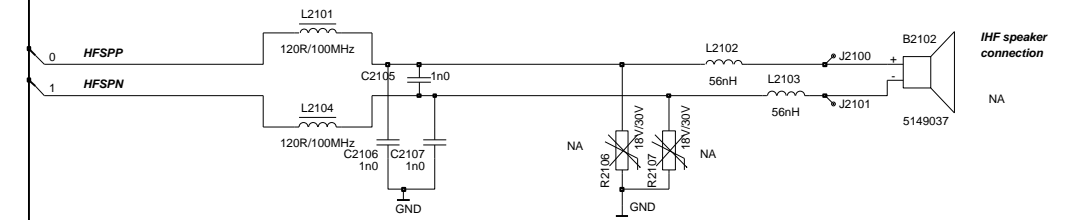
REF 2120-2149 DAC33 + TPA6130



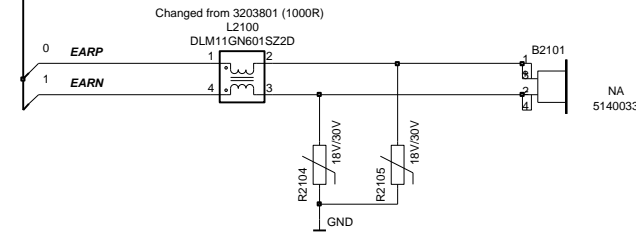
Mic



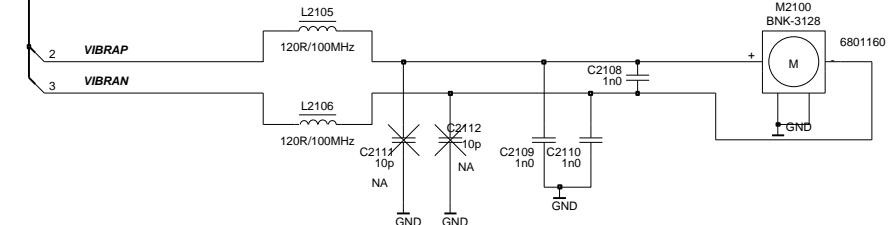
IHF-connection



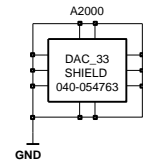
Earpiece



Vibra



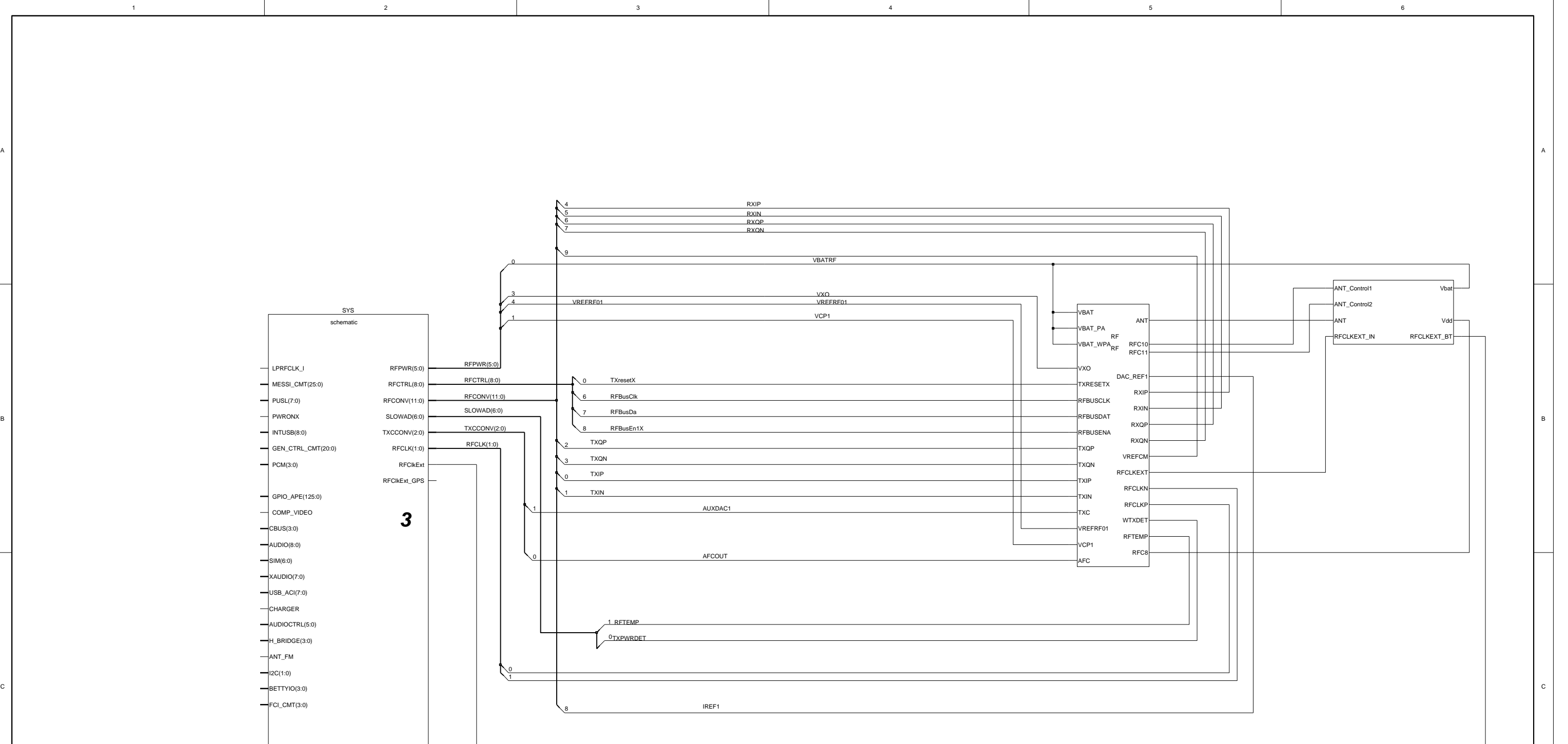
- ◇ GEN_CTRL_CMT(20:0)
- ◇ COMP_VIDEO
- ◇ DMIC(4:0)
- ◇ DIG_AUDIO(5:0)
- ◇ XAUDIO(7:0)
- ◇ I2C(1:0)
- ◇ AUDIOCTRL(5:0)
- ◇ H_BRIDGE(3:0)



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Name	Audio sheet with DAC33		Appr	dd-mmm-yy
Assoc			Des.	04-Sep-02
File			Dr.	28-Mar-08
Proj			Sheet	35 of 50
			Print	Yes
			v.	0
			Edt	61



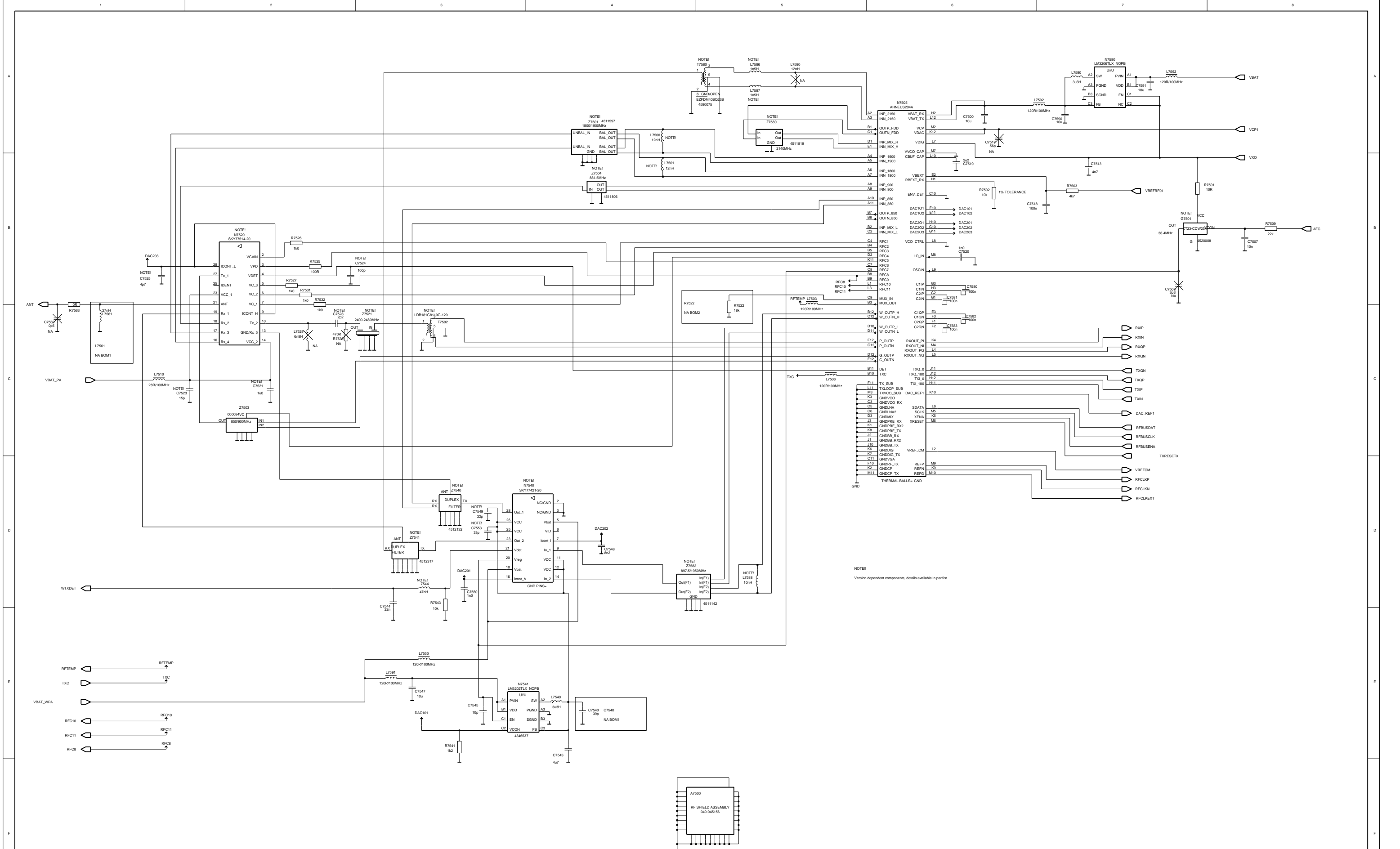
3

1

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Name	BB & RF	Appr	dd-mmm-yy
Assoc		Des.	18-Nov-03
File		Dr.	16-Nov-07
Proj		Sheet	xx of yy
		Print	Yes
		V.	0.0
		Edt	19

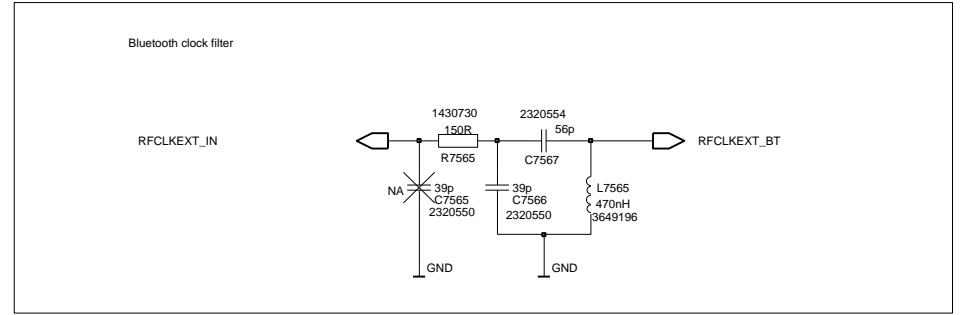
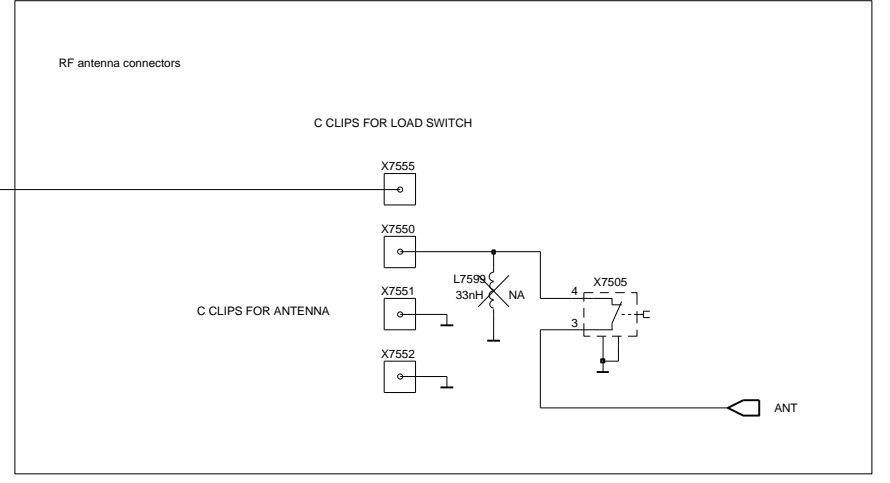
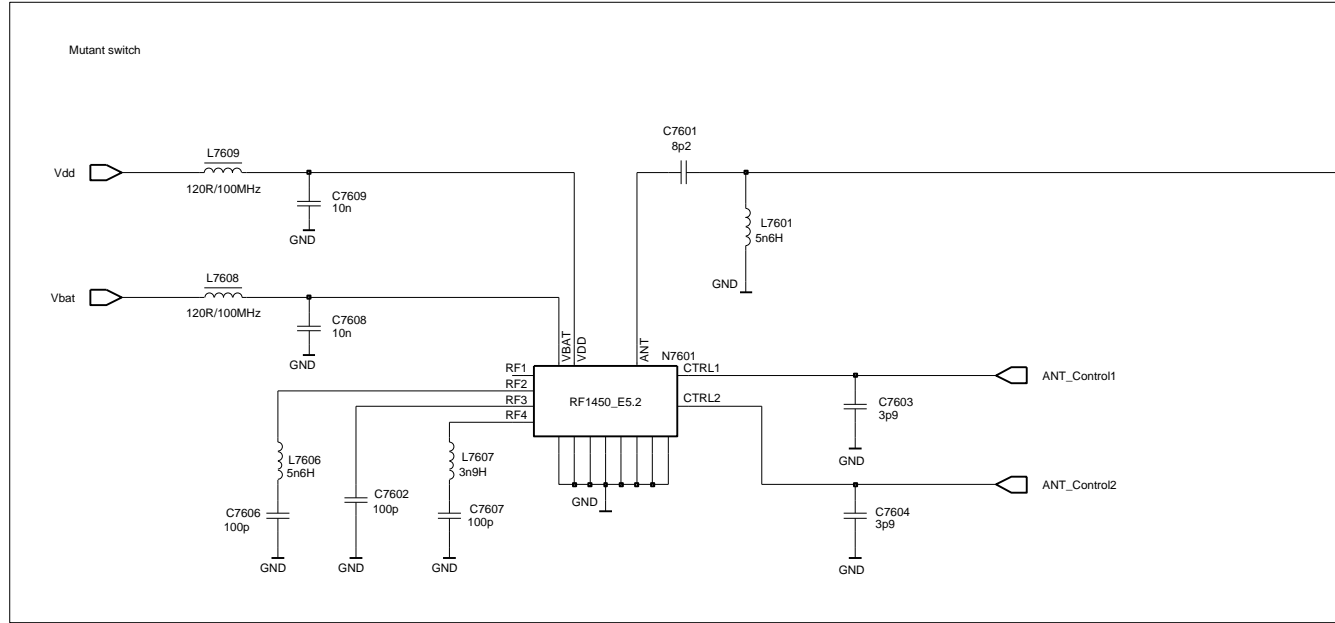


R50_18

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NOKIA

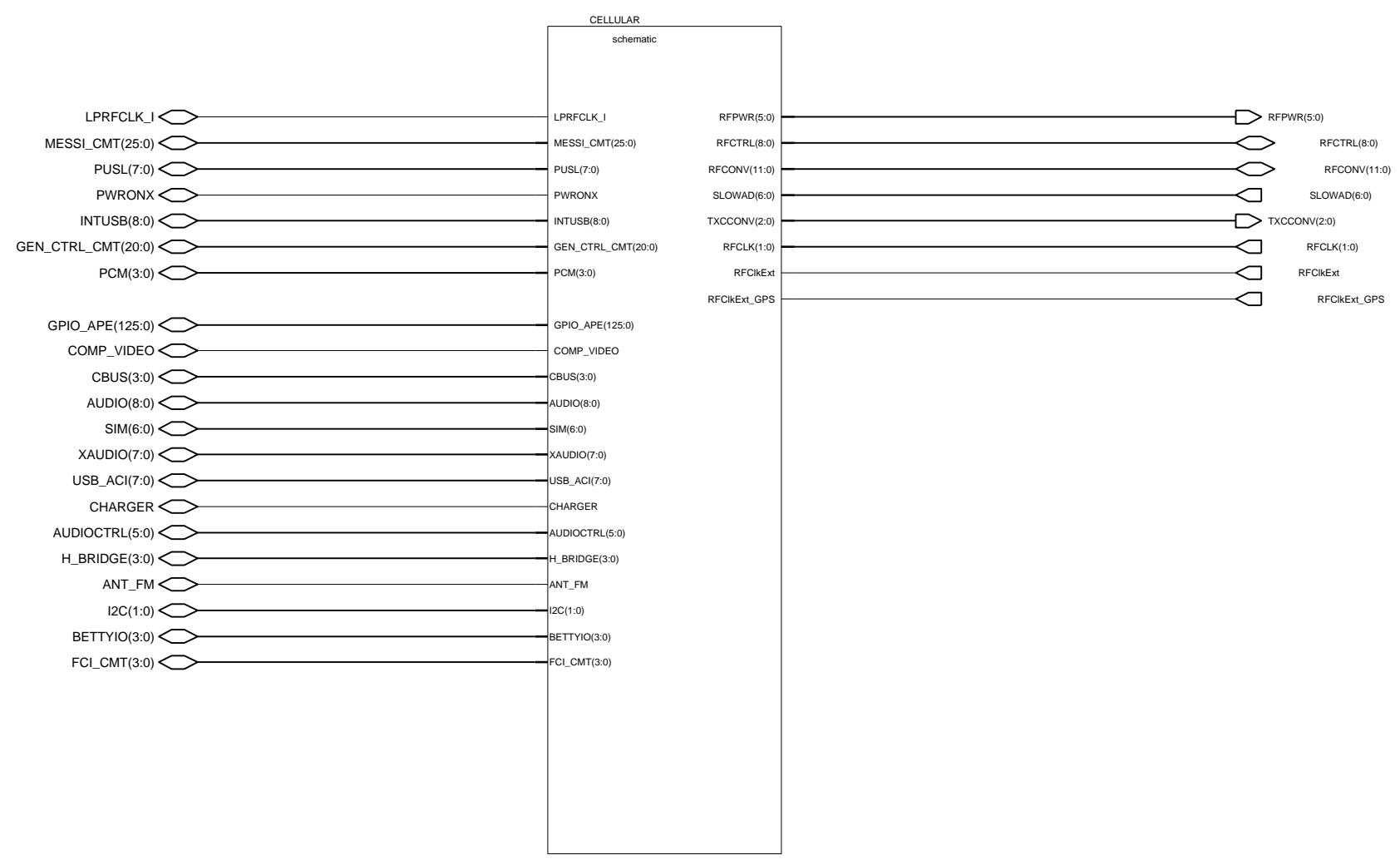
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Assoc		Des	22-Jun-05
File		Ch	26-Feb-08
Proj		Sheet	xx of yy
		Print	Yes
		Ver	0.0
		Edt	222



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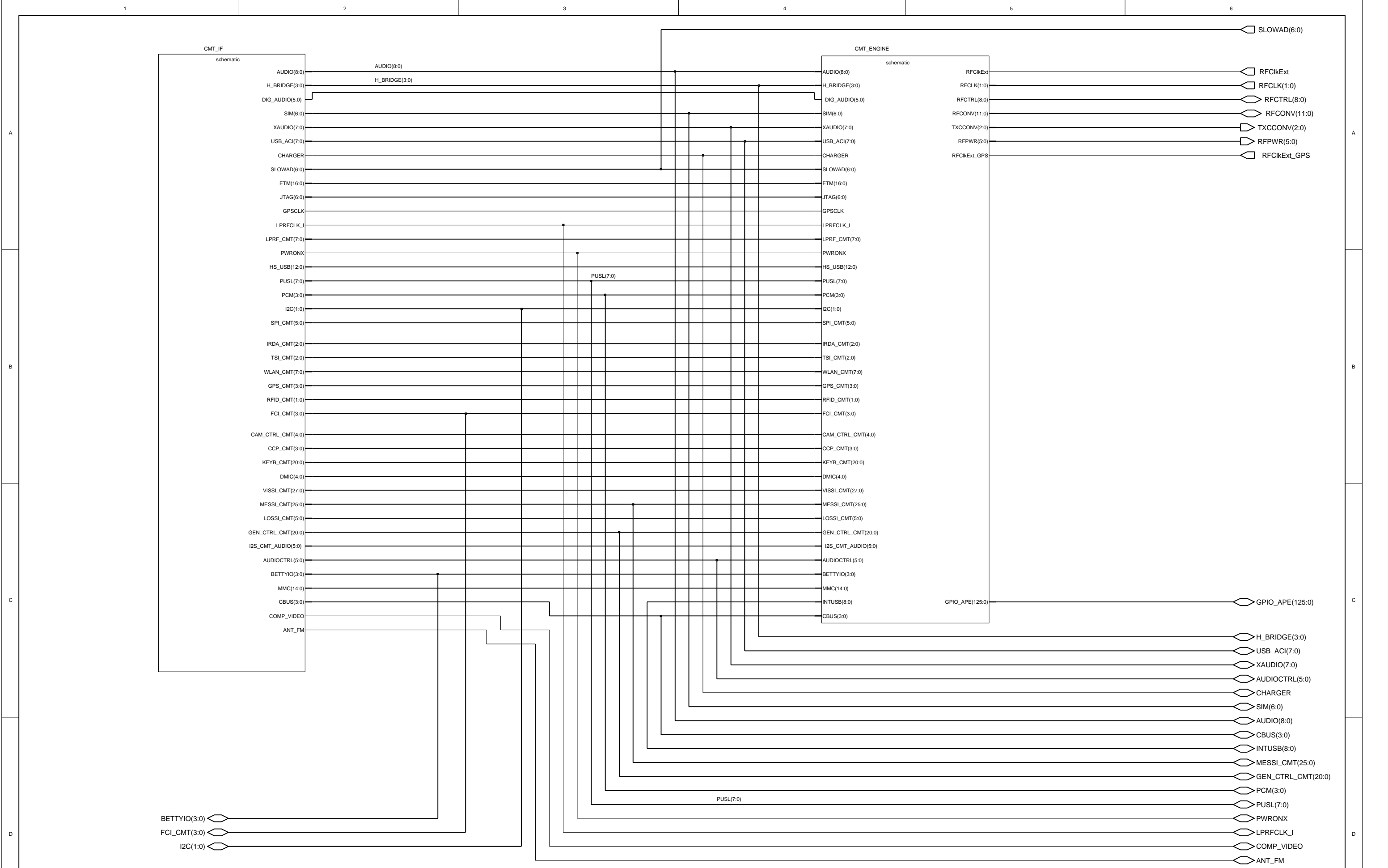
Name		Appr	dd-mmm-yy
Assoc		Des.	08-Nov-05
		Dr.	12-Mar-08
File		Sheet	xx of yy 01
Proj	Drw.	Print	Yes V. 0.0 Edit 30



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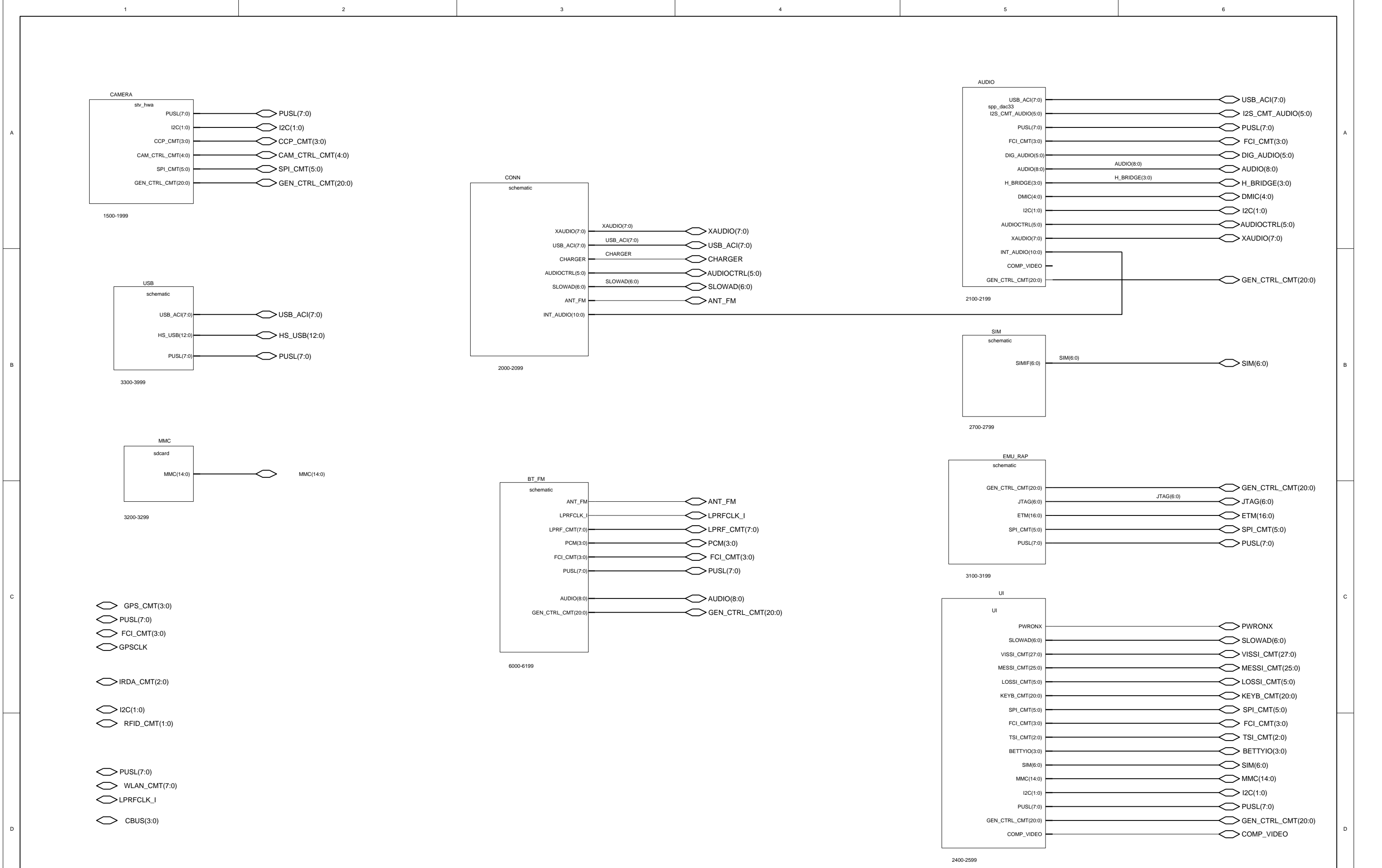
Name BB Top Level		Appr dd-mmm-yy	
Assoc	Build	Des. 24-Sep-04	
File		Dr. 24-Sep-07	
Proj		Sheet xx of yy	0 (01)
Print Yes		V. 02	Edit 7



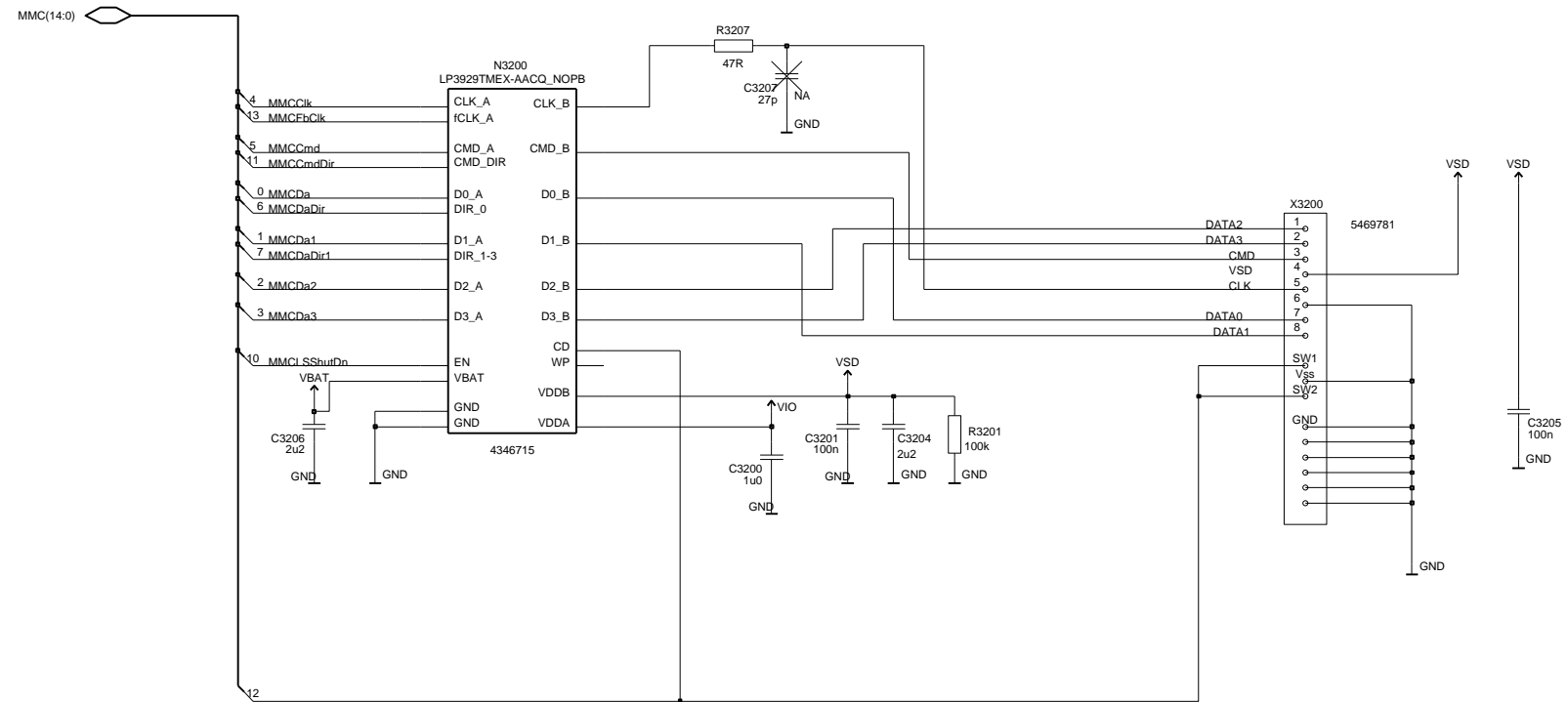
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Name	Cellular Top Level	Appr	dd-mmm-yy
Assoc		Des.	24-Sep-04
File		Dr.	17-Sep-07
Proj		Sheet	xx of yy
		Print	Yes
		v.	0
		Edit	6



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				Assoc		Des. 27-May-03	
				File		Dr. 15-Dec-07	
				Proj		Sheet xx of yy 0 (01)	
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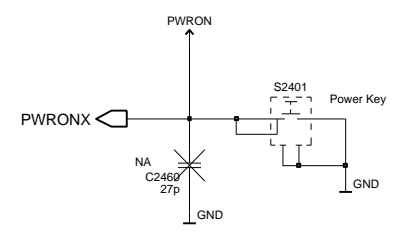


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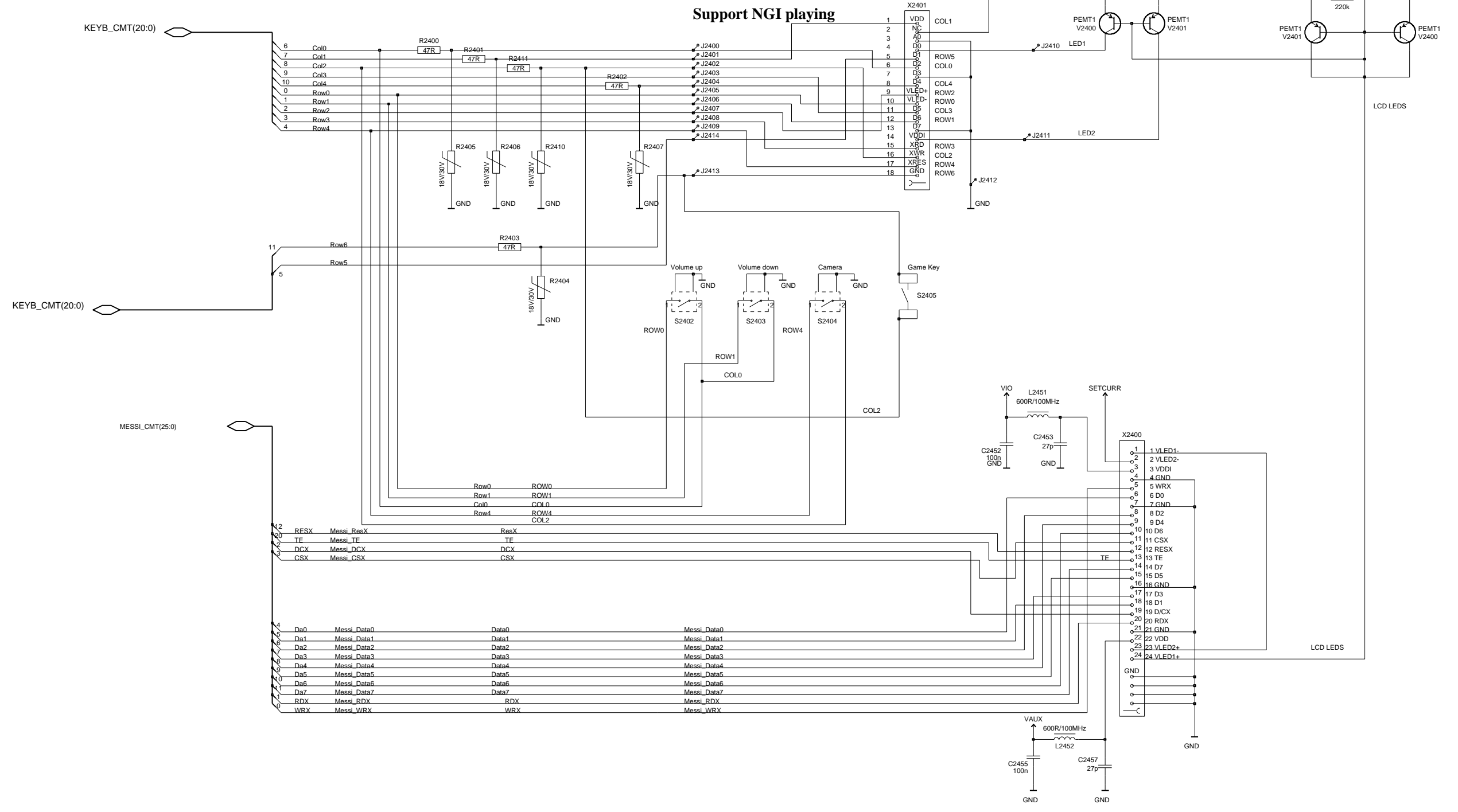


Name	SD card	Appr	dd-mmm-yy
Assoc		Des.	11-Apr-05
File		Dr.	20-Feb-08
Proj		Sheet xx of yy	0 (01)
		Print Yes	v. 0.0 Edit 10

- I2C(1:0)
- COMP_VIDEO
- VISSI_CMT(27:0)
- LOSSI_CMT(5:0)
- FCL_CMT(3:0)
- SPL_CMT(5:0)
- PUSL(7:0)
- GEN_CTRL_CMT(20:0)
- PWRONX
- SLOWAD(6:0)
- SIM(6:0)
- MMC(14:0)
- BETTYIO(3:0)
- MESSI_CMT(25:0)



	Col0	Col1	Col2	Col3	Col4
Row0	Vol UP	1	2	3	RSK
Row1	Vol Down	4	5	6	LSK
Row2		7	8	9	Clear
Row3		*	0	#	Menu
Row4	Up	SEND	Camera	END	Down
Row5	Right				Left
Row6	Play	Previous/ Game	Game key	Select	Next

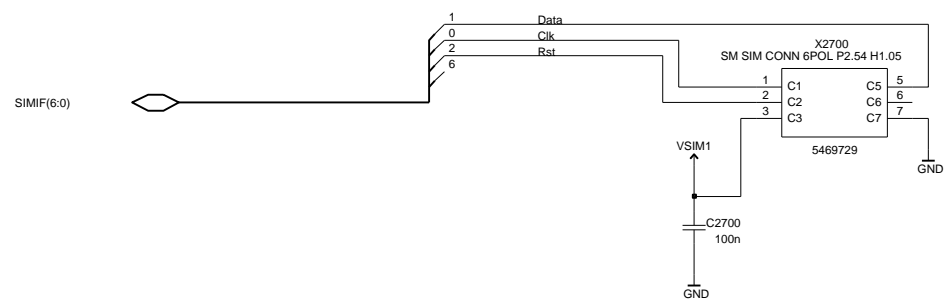


Support NGI playing

Pin	Signal
1	VDD
2	NC
3	AG
4	CG
5	D0
6	D1
7	D2
8	D3
9	VLED+
10	VLED-
11	D5
12	D6
13	D7
14	VDDI
15	XRD
16	XWR
17	XRES
18	GND

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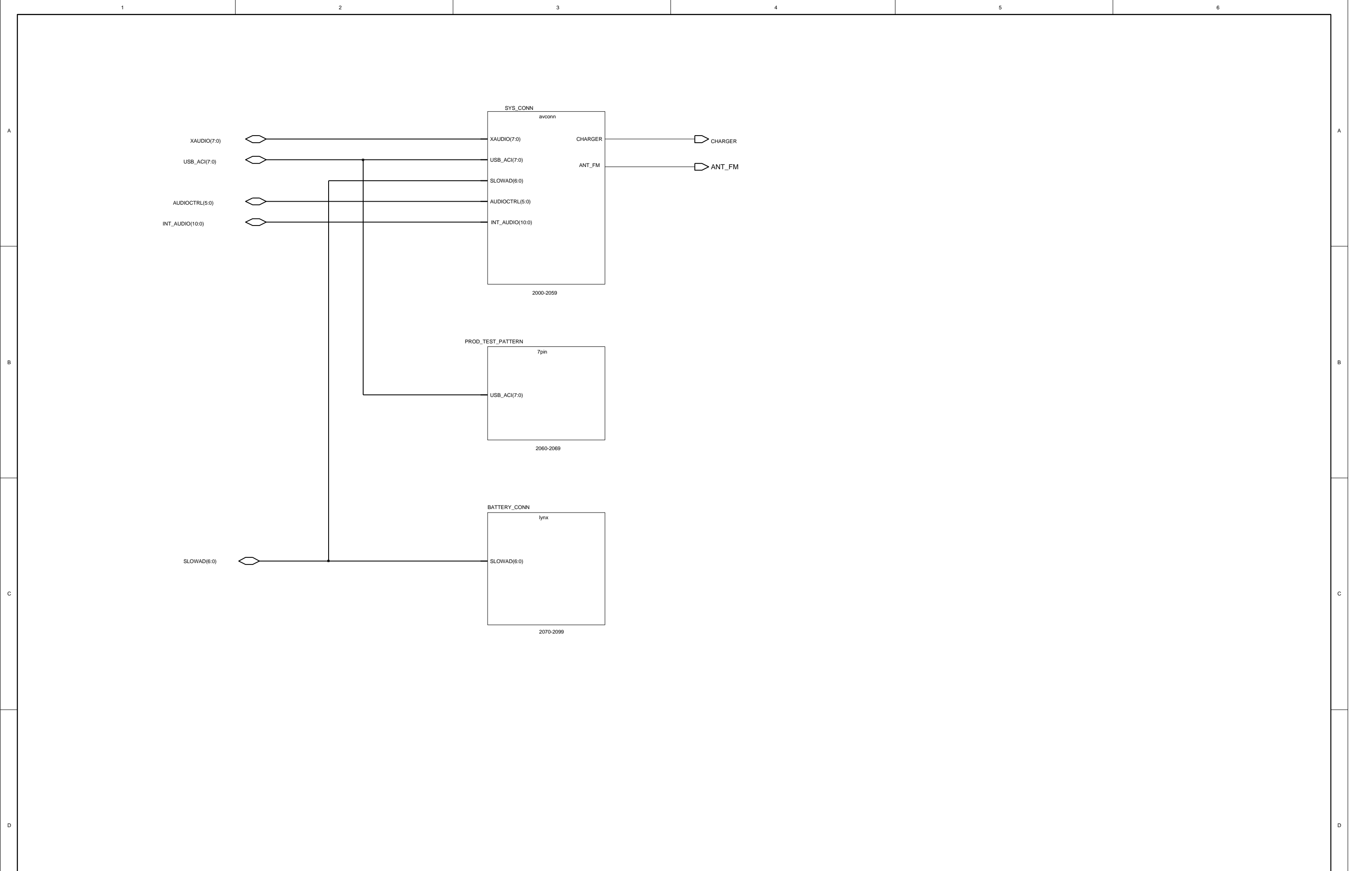
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Assoc:		Des: 21-Apr-05	
		Dr: 28-Mar-08	
File:		Sheet xx of yy: 0 (01)	
Pro:		Print Yes v. 0.0 Edit 48	



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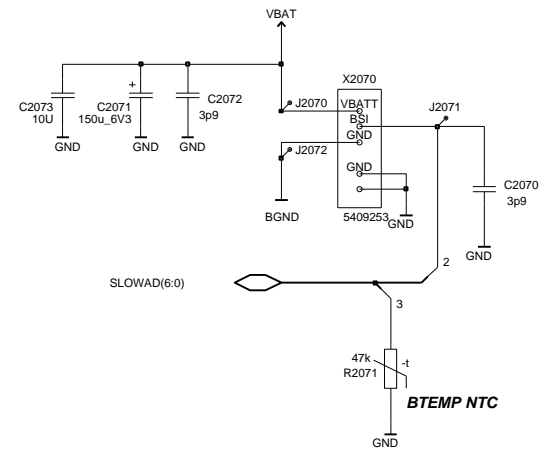
Name	SIM interface	Appr	10-Aug-00
Assoc		Des.	10-May-04
File		Dr.	16-Dec-07
Proj		Sheet	xx of yy
		Print	Yes v. Edit
			1 (01) 5



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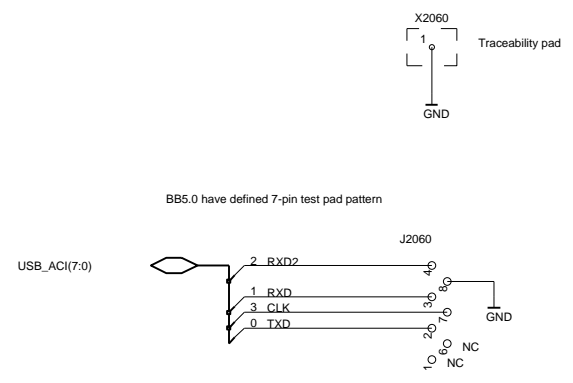
Name	System and battery connector		Appr	10-Aug-00
Assoc			Des.	18-Jan-02
File			Dr.	17-Sep-07
Proj		Drw.	Sheet xx of yy	1 (01)
			Print Yes	V. 0,1 Edit 6



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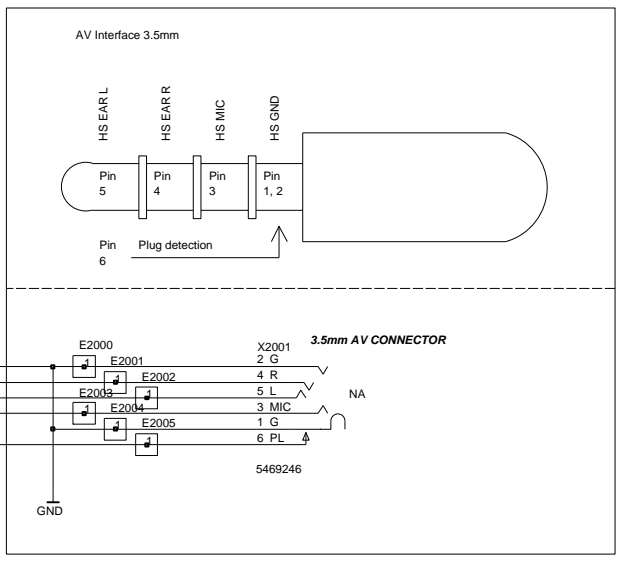
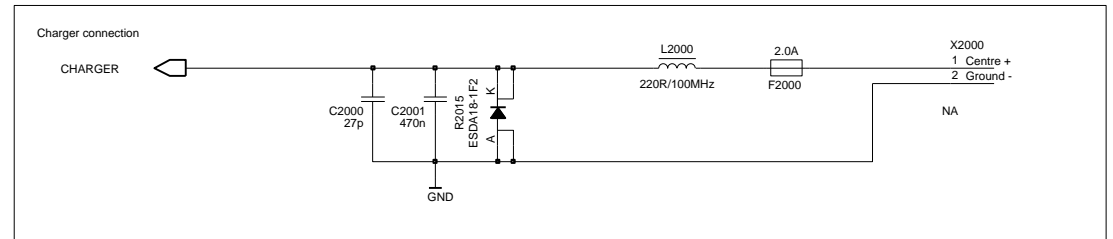
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Assoc	BUILD	Des.	18-Aug-03
File		Dr.	28-Mar-08
Proj	Drw.	Sheet XX of yy	1 (01)
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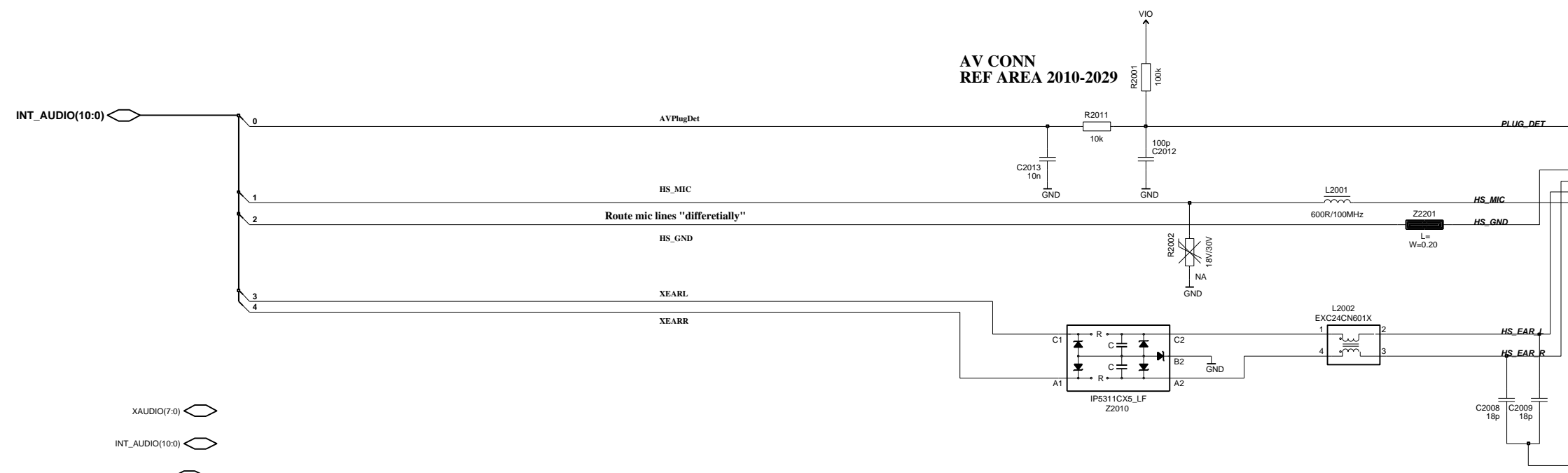
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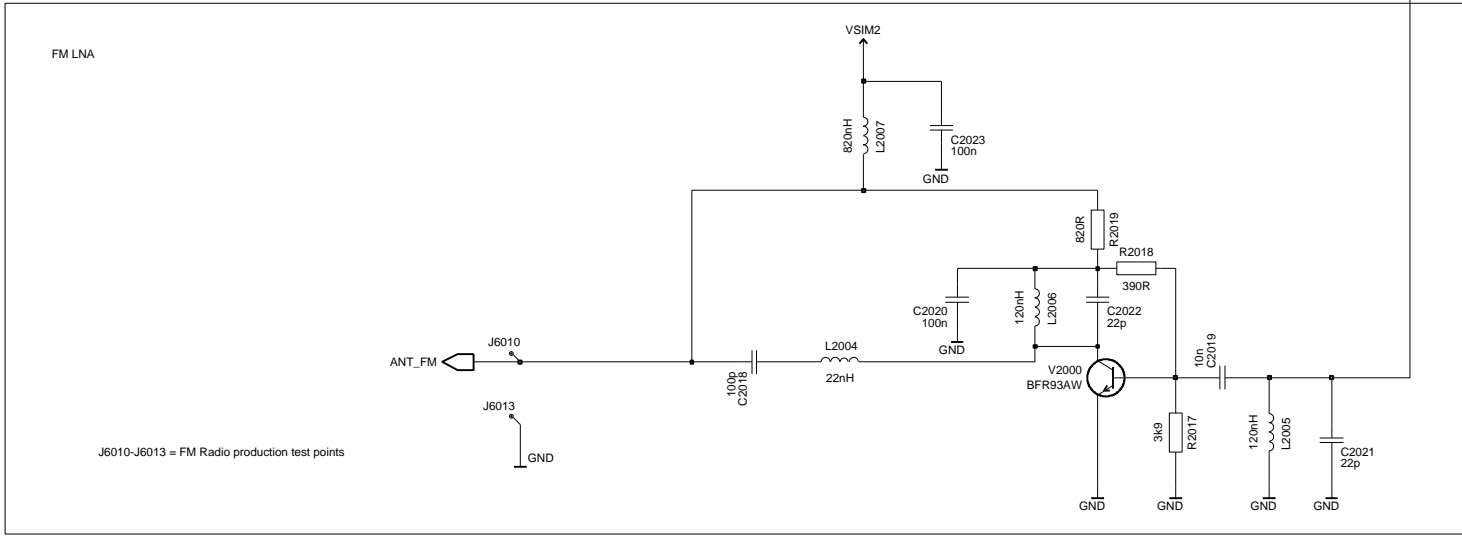
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Assoc		Des.	18-Jan-02
File		Dr.	15-Dec-07
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		Edit	4
			1 (01)



**AV CONN
REF AREA 2010-2029**



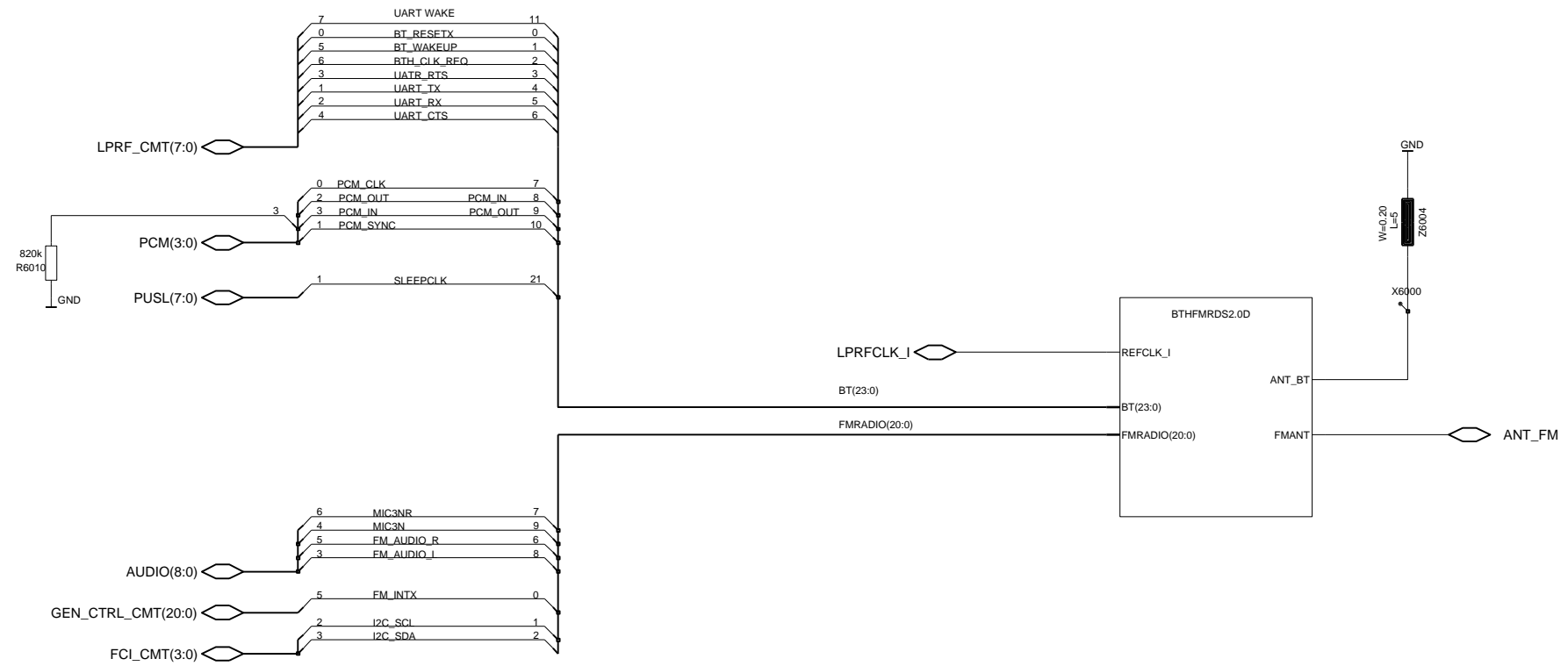
- XAUDIO(7:0)
- INT_AUDIO(10:0)
- AUDIOCTRL(5:0)
- SLOWAD(6:0)
- USB_ACI(7:0)



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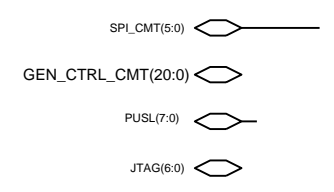
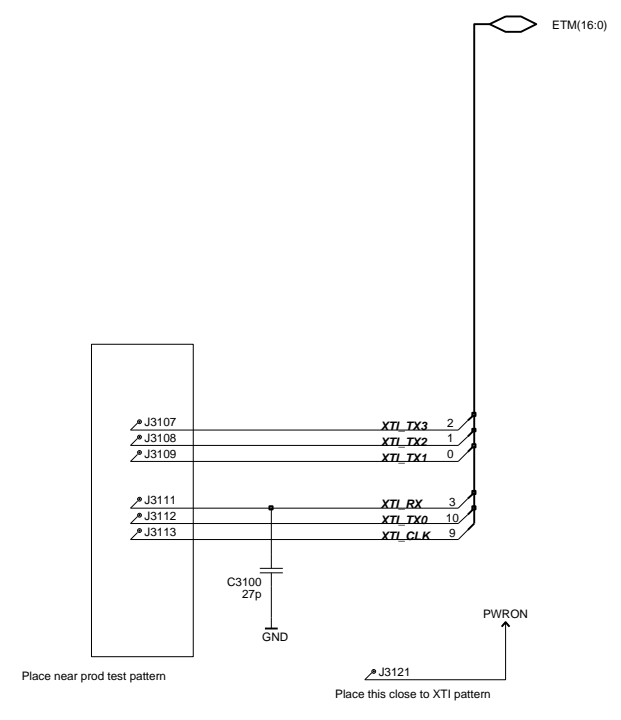
Name	AV connector, Audio, Video and ECI control	Appr	dd-mmm-yy
Assoc		Des.	18-Apr-05
File		Dr.	15-Dec-07
Proj		Sheet	xx of yy
		Print	Yes
		V.	2.0
		Edit	27



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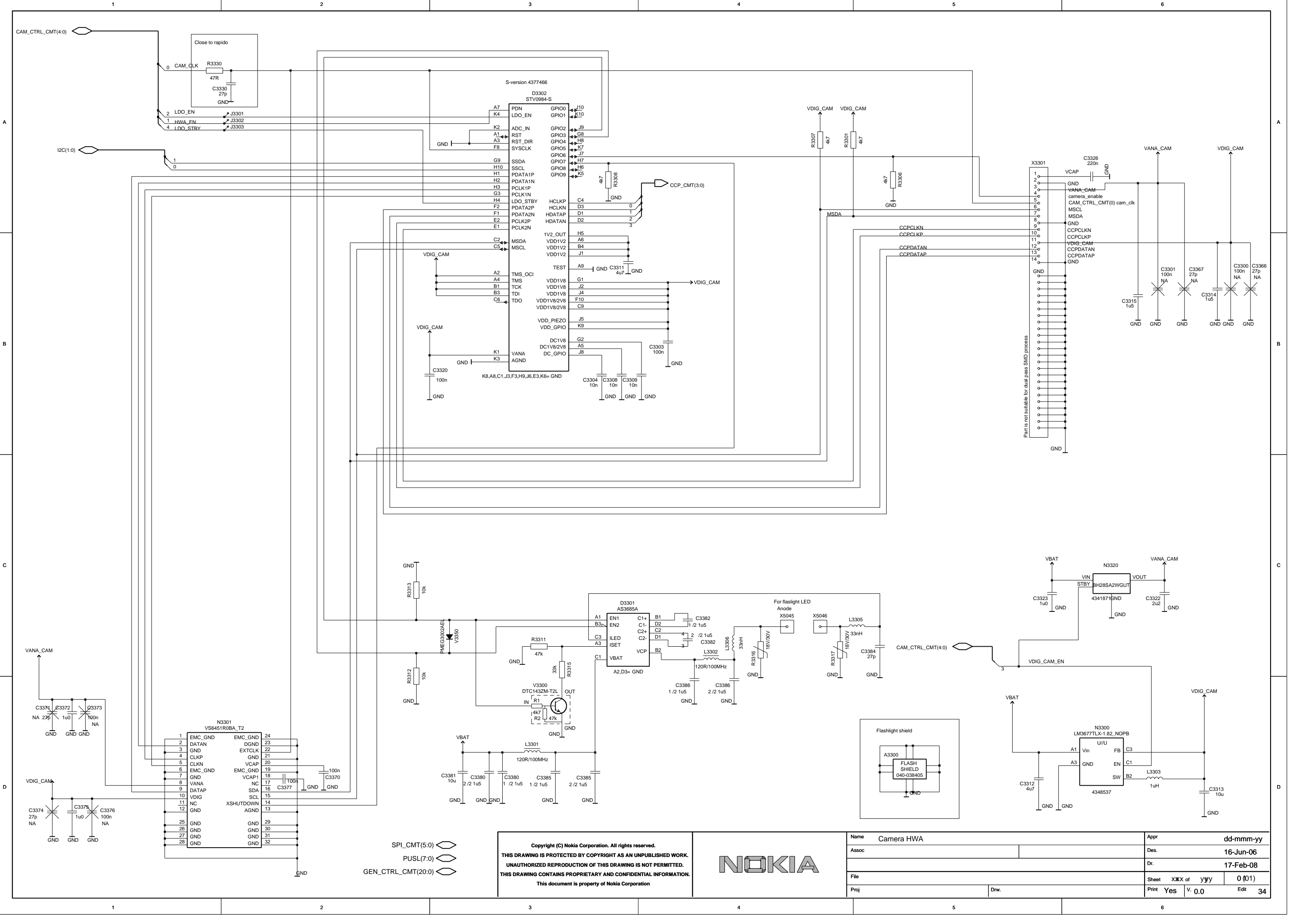
Name	Bluetooth - FM	Appr	dd-mmm-yy
Assoc		Des.	13-May-05
File		Dr.	16-Jan-08
Proj		Sheet xx of yy	0 (01)
		Print Yes	v. 0.0 Edit 7



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Name		EMU:RAP Test Interface		Appr		dd-mmm-yy	
Assoc				Des.		04-Jun-98	
File				Dr.		15-Dec-07	
Proj		Drw.		Sheet xx of yy		1 (01)	
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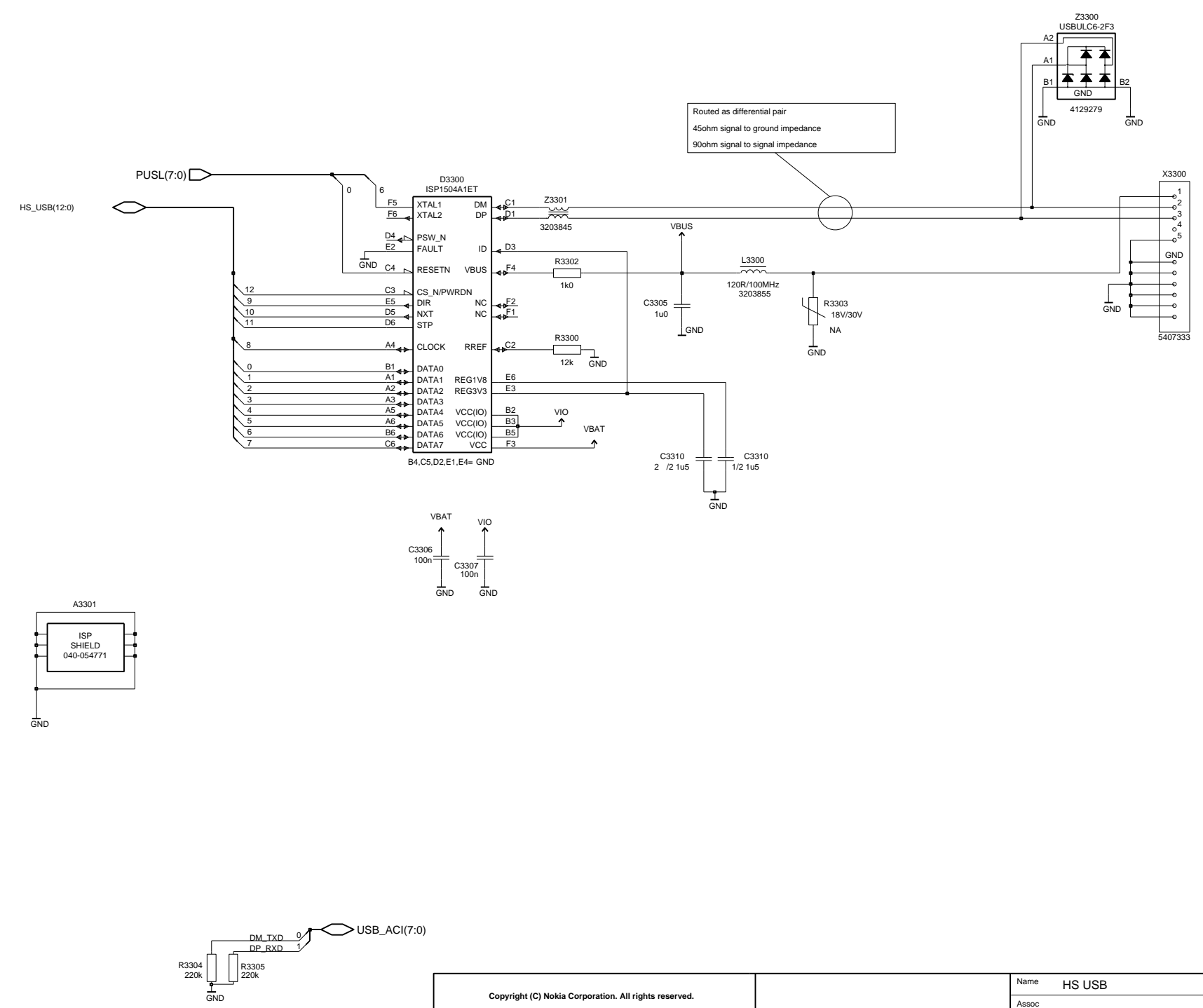


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Name	Camera HWA	Appr	dd-mmm-yy
Assoc		Des.	16-Jun-06
File		Dr.	17-Feb-08
Proj		Sheet	XXX of yyy
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		V.	0.0
		Draw.	34

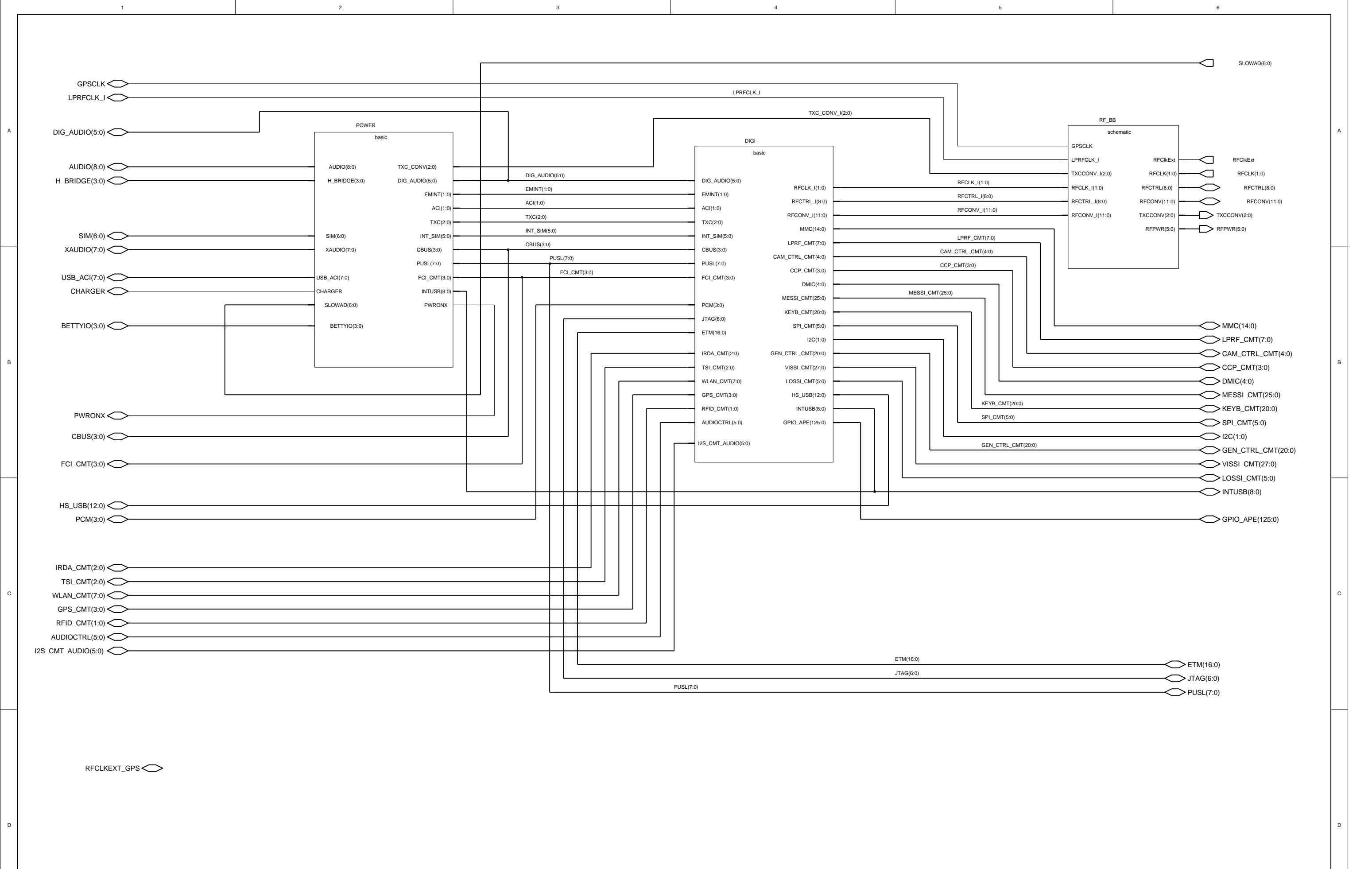
THIS SETUP IS DEVICE MODE ONLY!!!



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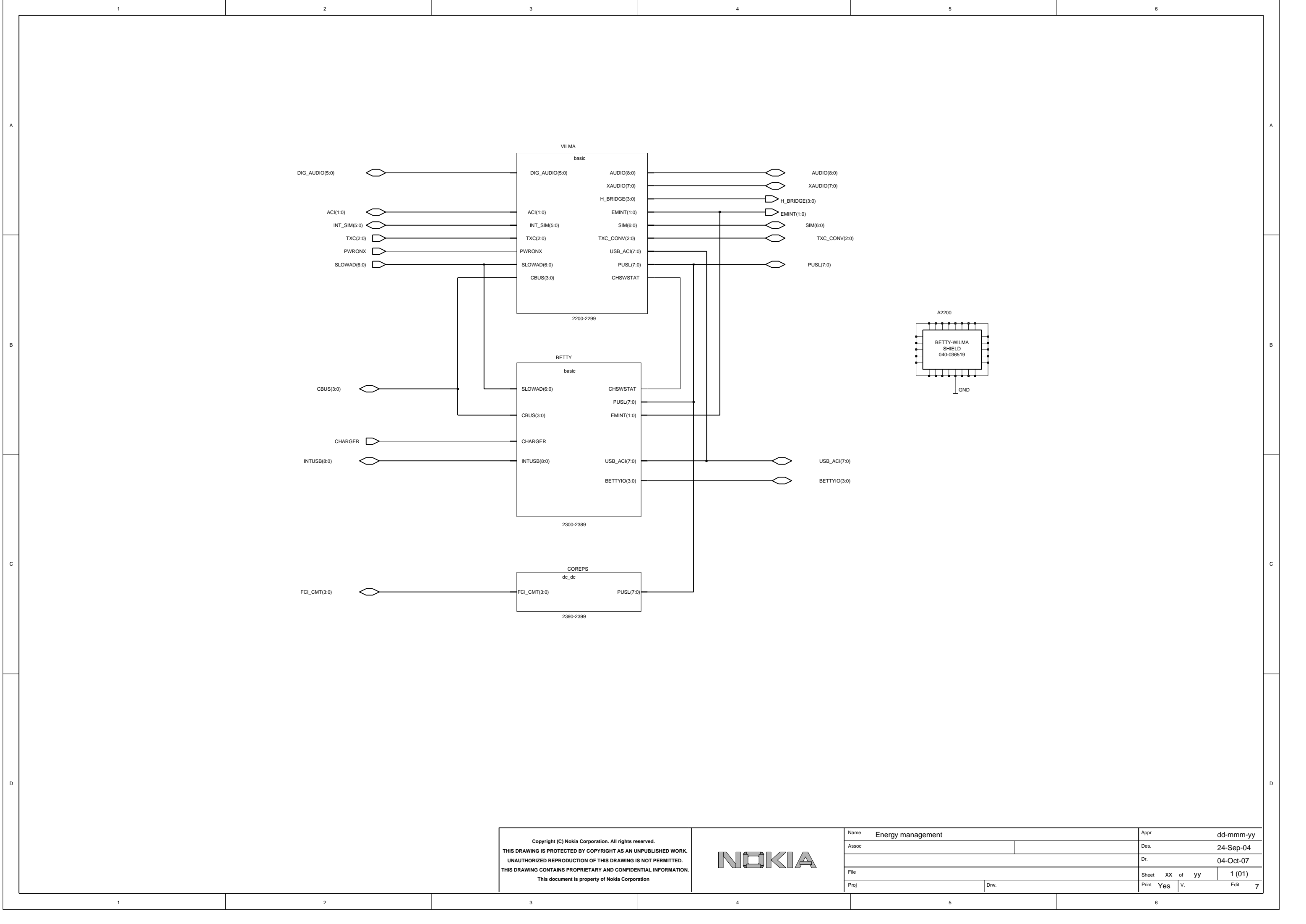
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Assoc		Des.	07-Apr-05
File		Dr.	15-Dec-07
Proj		Sheet	xx of yy
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		V.	0.0
		Edit	13



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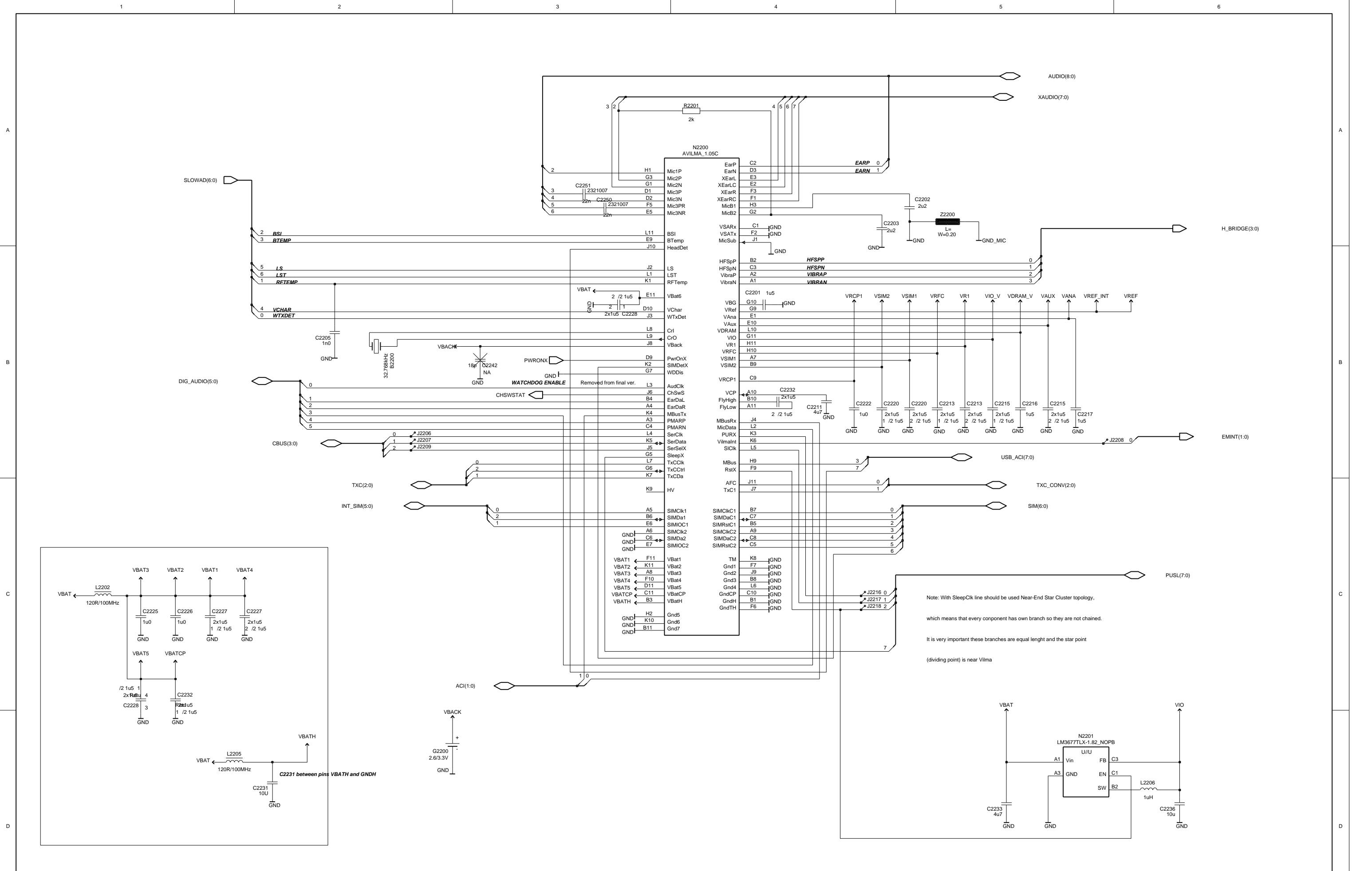
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Assoc		Des.	24-Sep-04
File		Dr.	24-Sep-07
Proj		Sheet	xx of yy
		Print	Yes
		v.	0,0
		Edit	7



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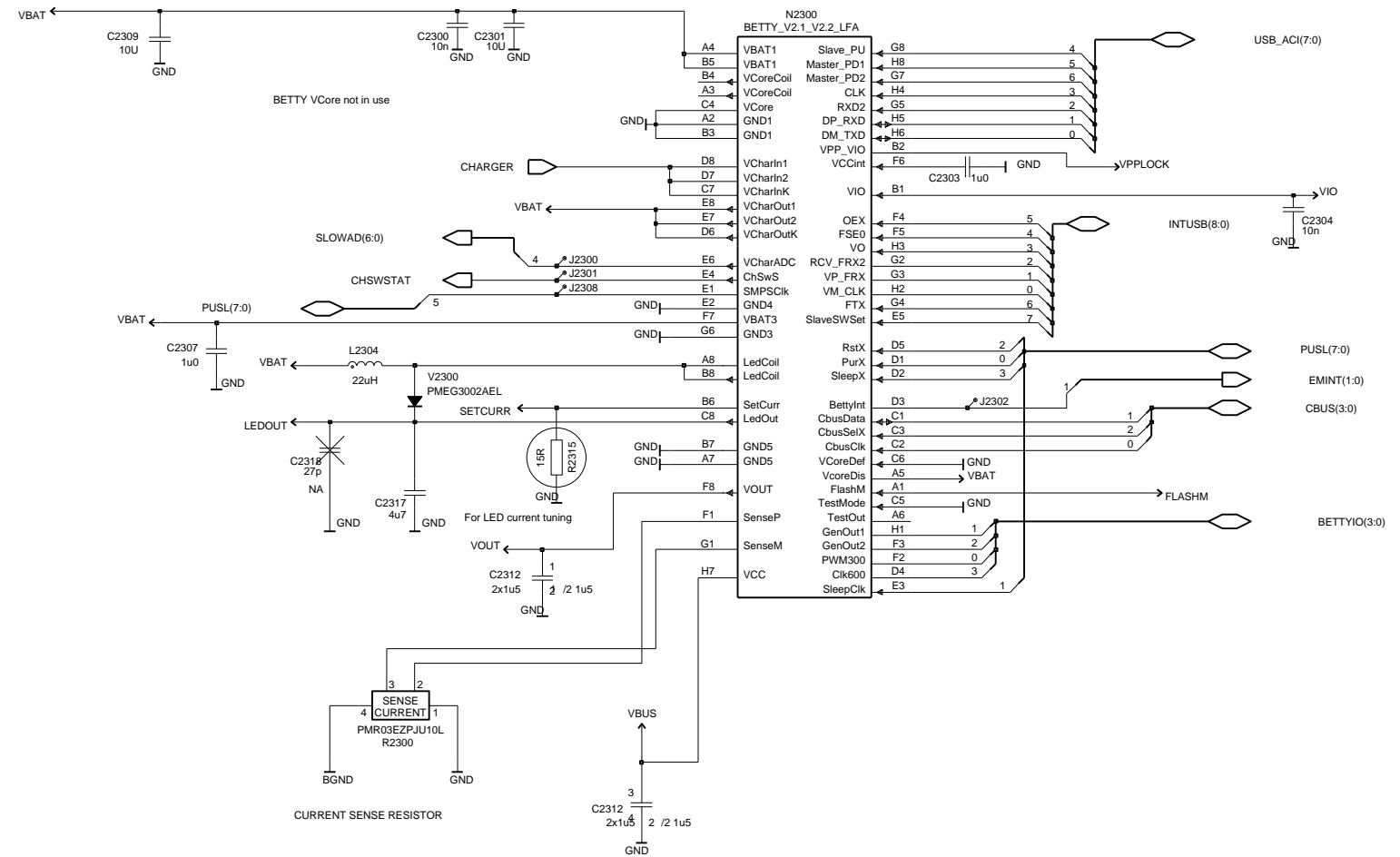
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Assoc		Des. 24-Sep-04	
File		Dr. 04-Oct-07	
Proj		Sheet xx of yy 1 (01)	
Proj		Print Yes v. Edit 7	



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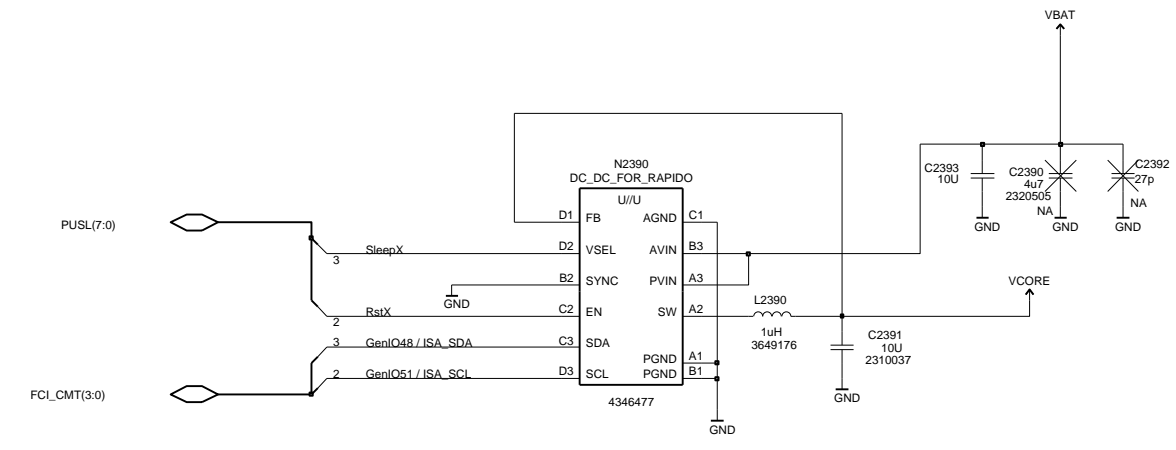
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		V.	0.0
		Edit	28



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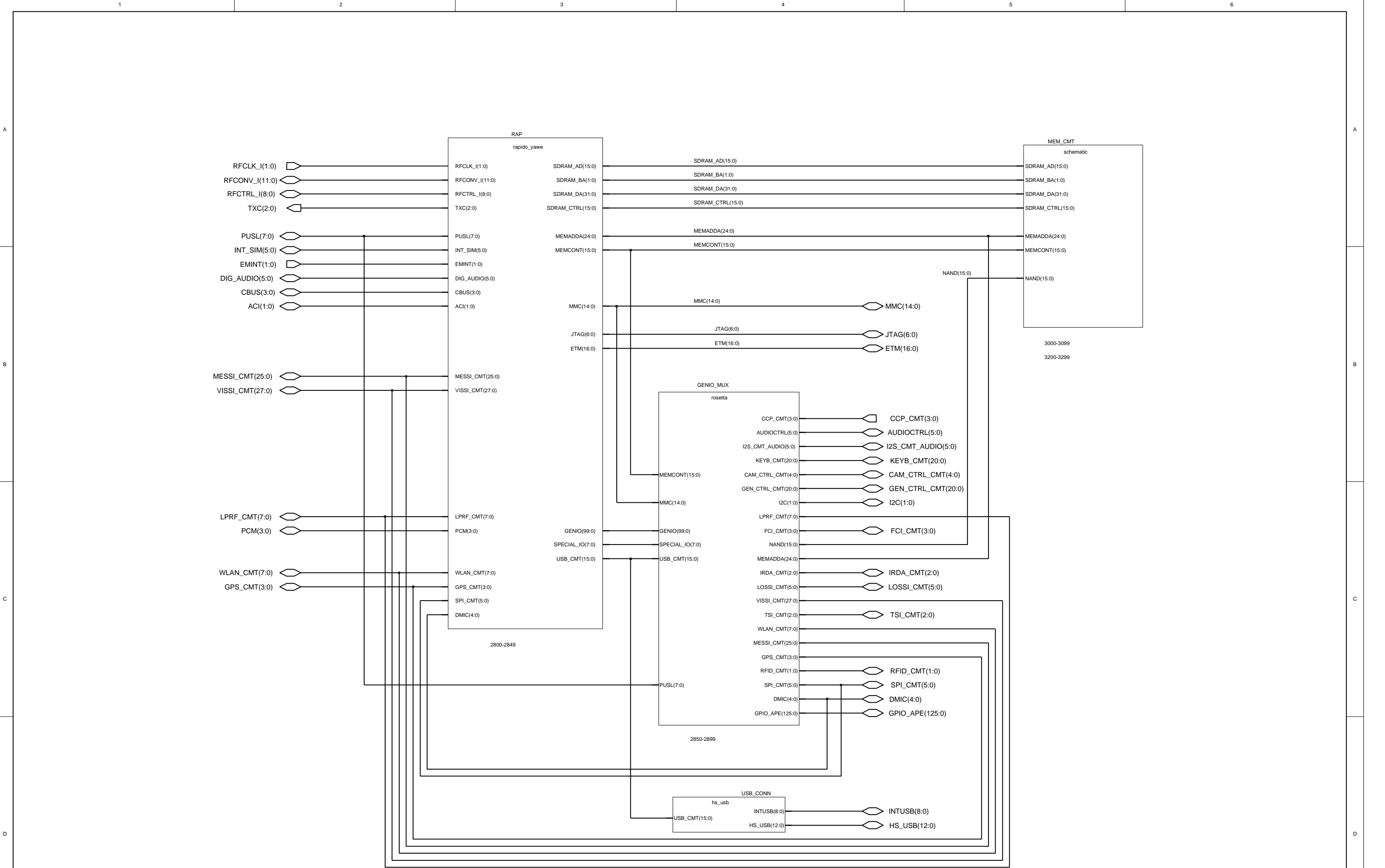
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Assoc		Des.	06-May-04
		Dr.	18-Dec-07
File		Sheet	xx of yy
Proj		Print	Yes v. Edit
			22



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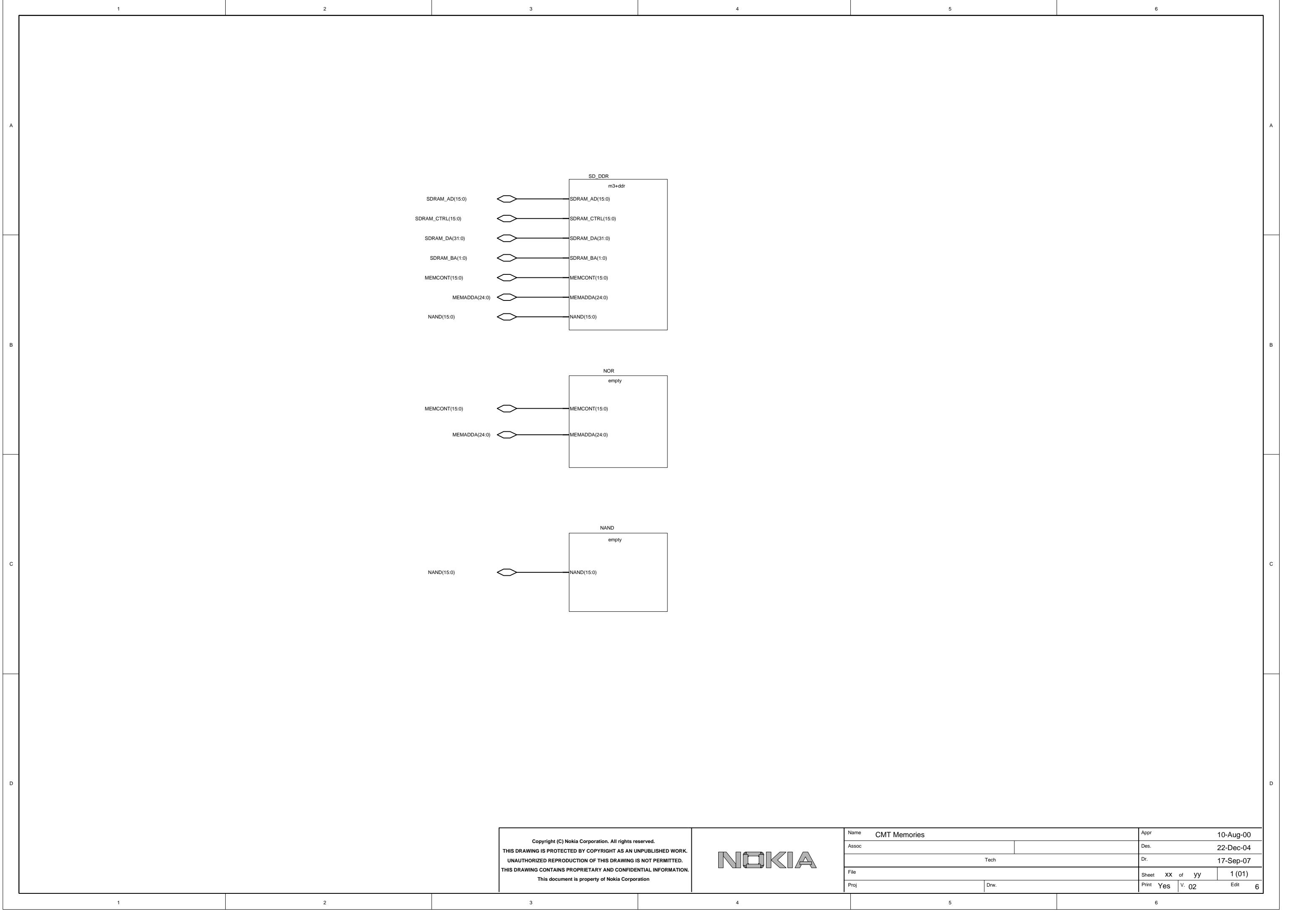
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Assoc		Des.	20-Sep-04
File		Dr.	16-Nov-07
Proj		Sheet	xx of yy
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Name		CMT SUBSYSTEM		Appr		dd-mmm-yy	
Assoc				Des.		22-Sep-03	
File				Dr.		04-Oct-07	
Proj				Sheet xx of yy		0 (01)	
		Print Yes		v. 0		Edit 7	



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Name	CMT Memories	Appr	10-Aug-00
Assoc		Des.	22-Dec-04
	Tech	Dr.	17-Sep-07
File		Sheet	xx of yy 1 (01)
Proj	Drw.	Print	Yes v. 02 Edit 6

A

B

C

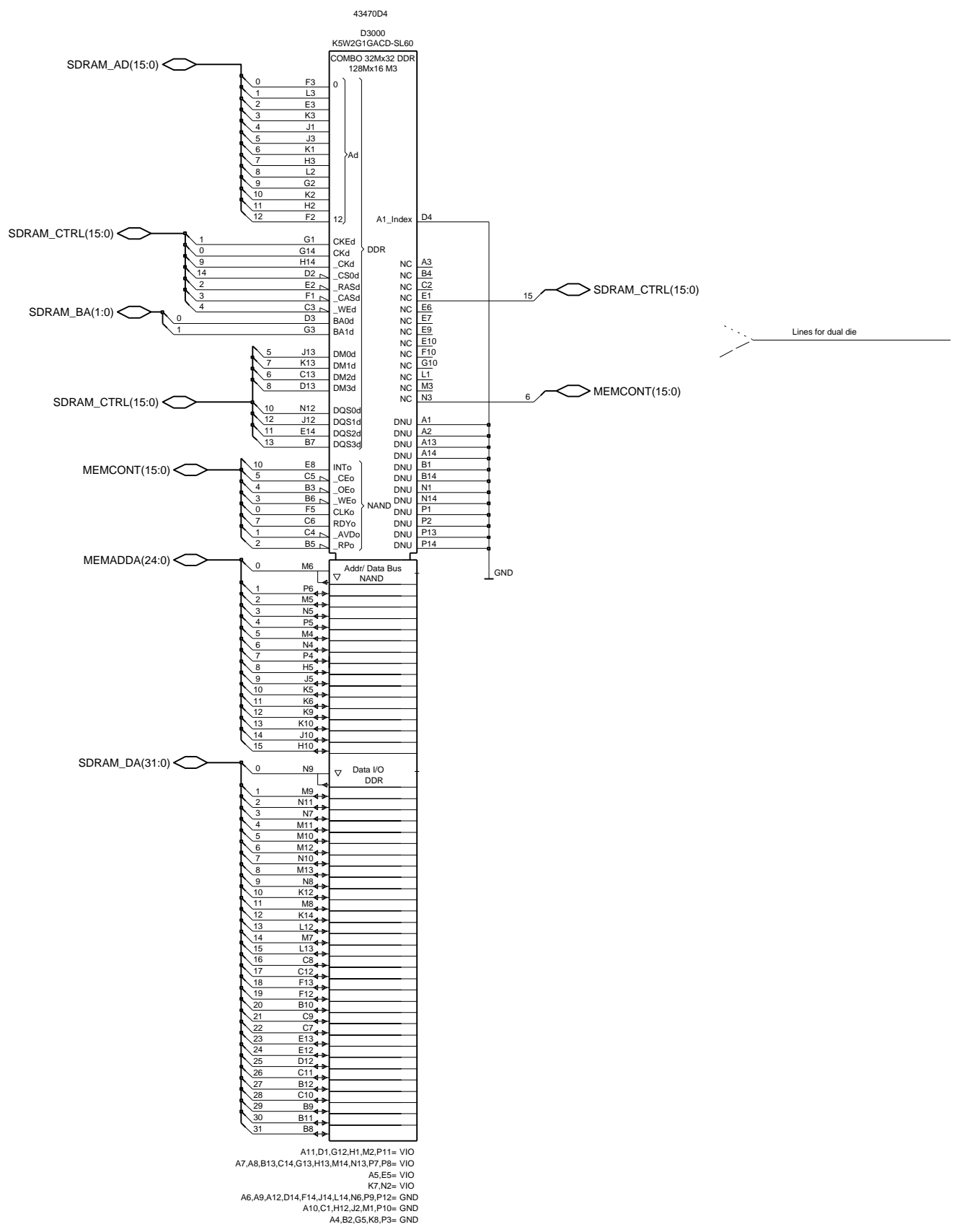
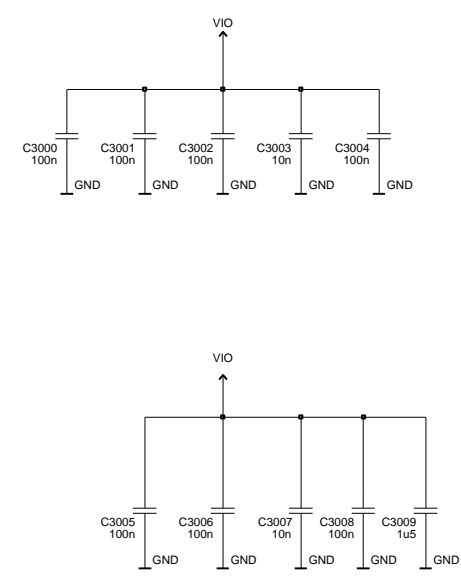
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A

B

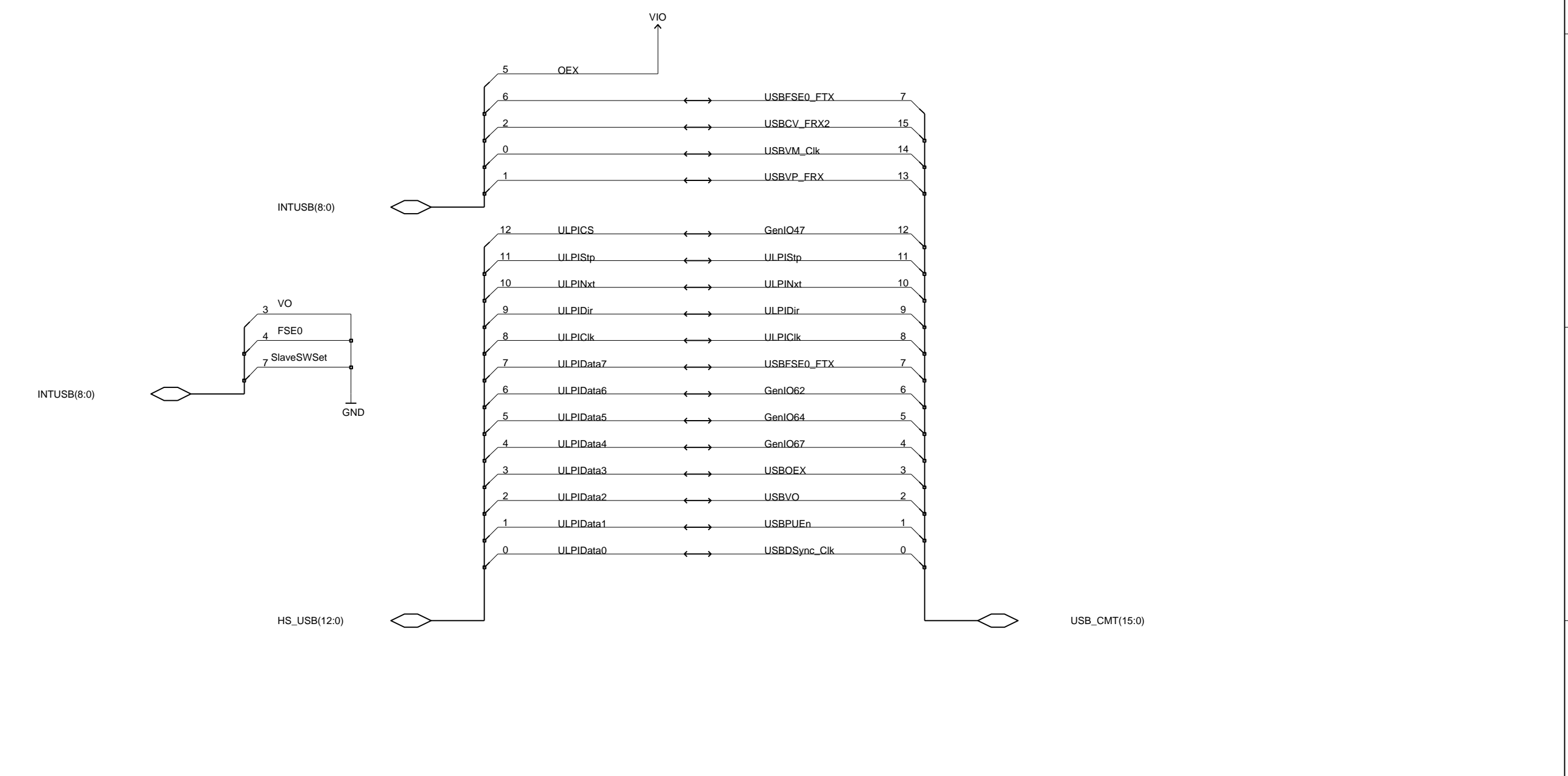
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D

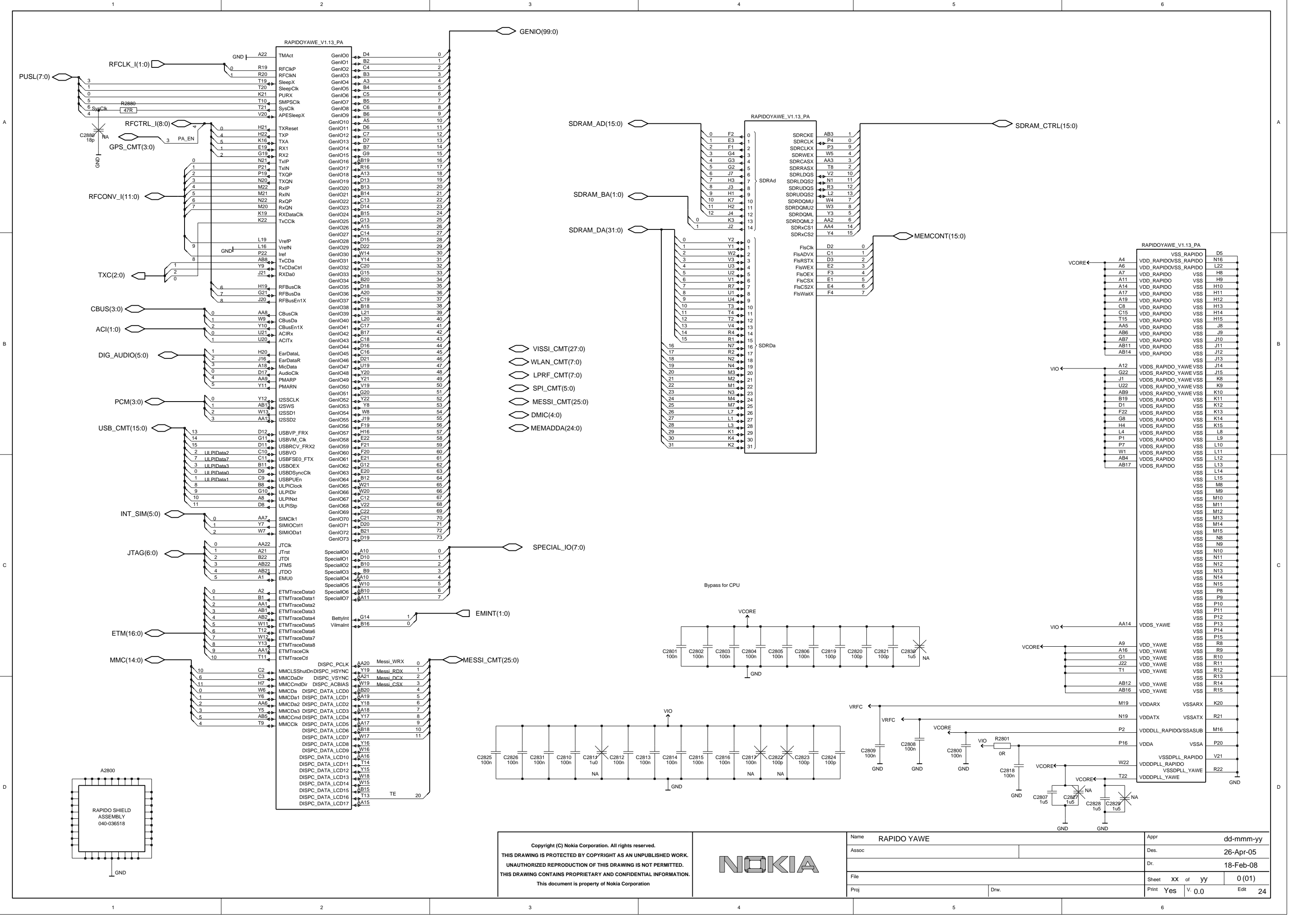


NAND(15:0)

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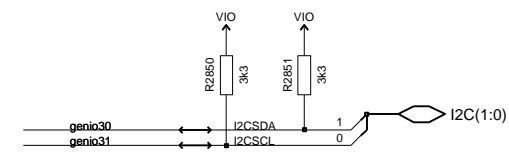
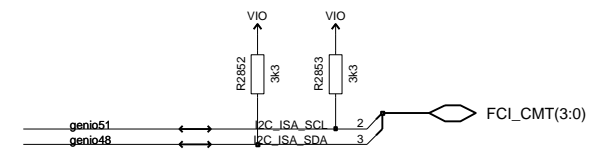
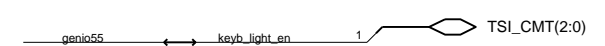
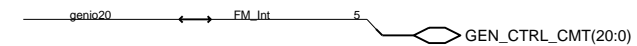
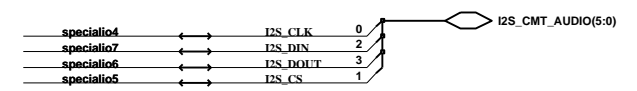
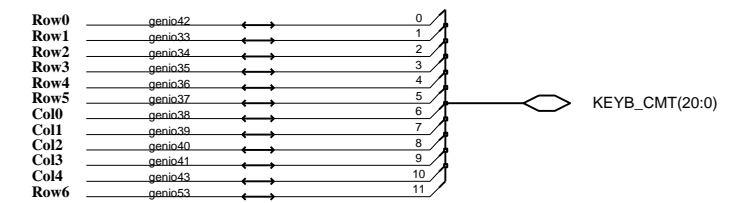
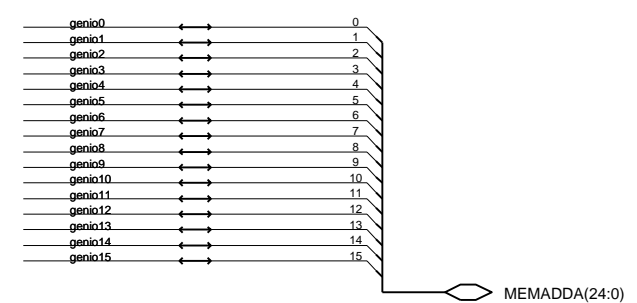
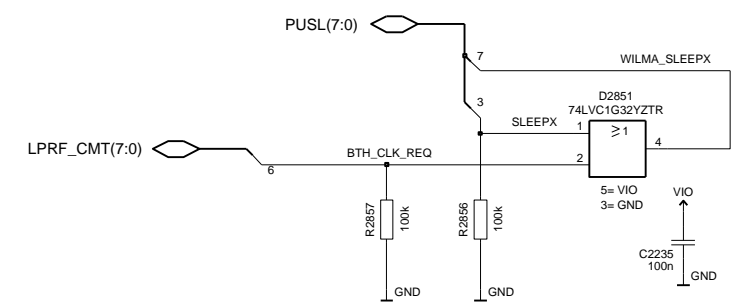
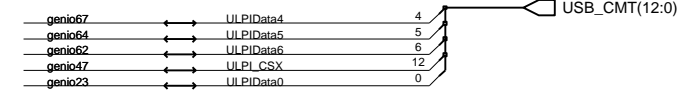
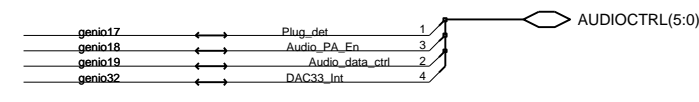
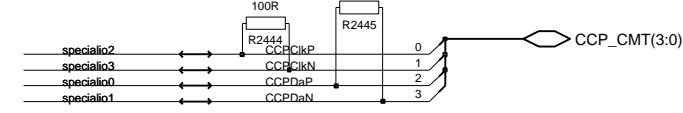
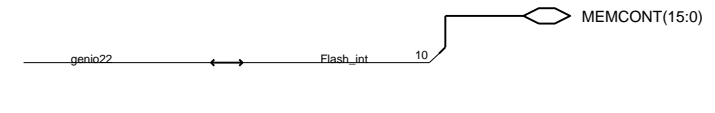
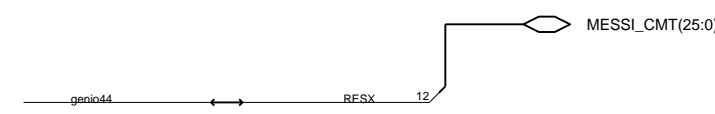
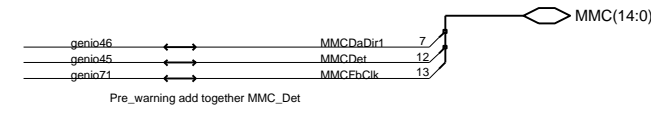
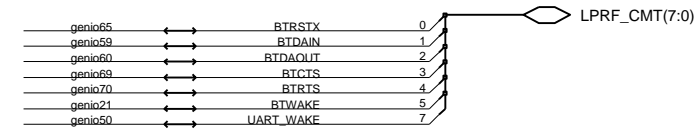
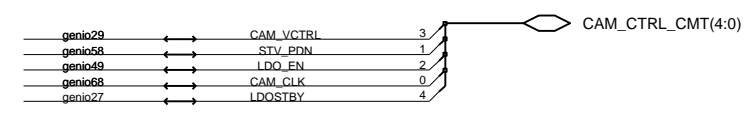
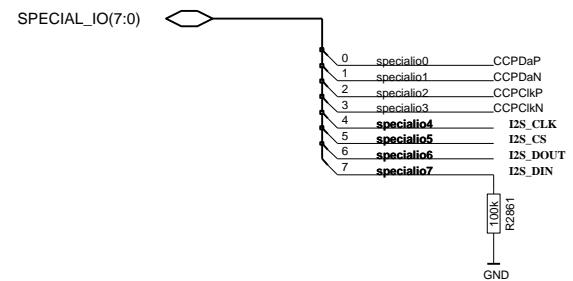
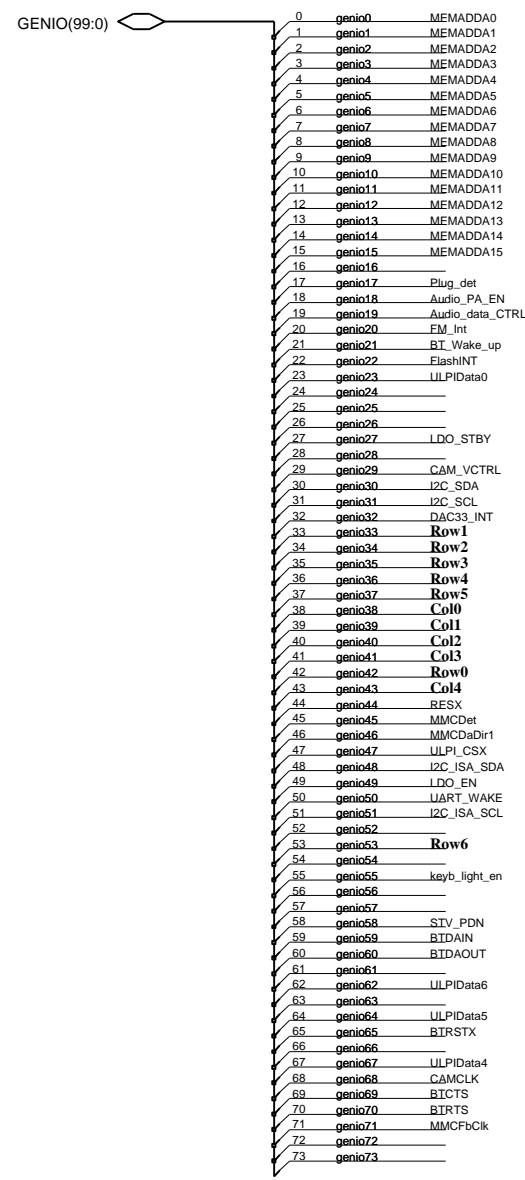
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		Assoc		Des.	04-Jun-03	
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		File		Sheet	XX of yy	0 (01)
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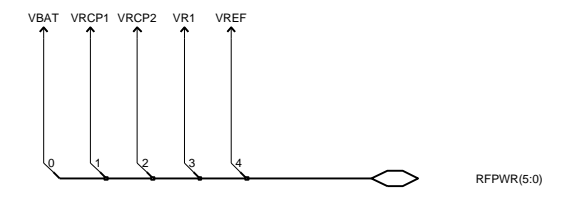
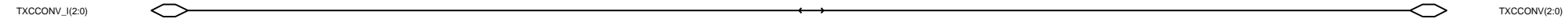
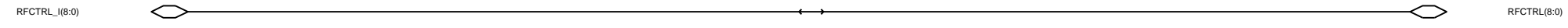
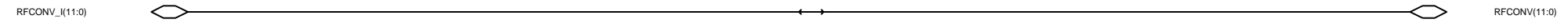
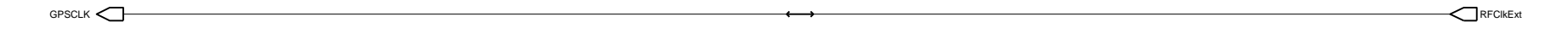
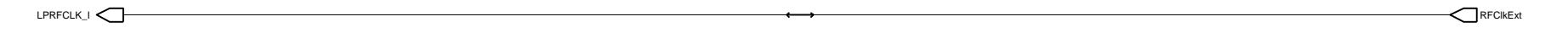
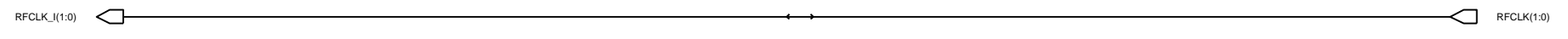
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TOP SHEET



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Name	RF IF	Appr	dd-mmm-yy
Assoc		Des.	15-Jan-03
File		Dr.	12-Sep-07
Proj		Sheet xx of yy	0 (01)
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