

Nokia Customer Care

Service Manual

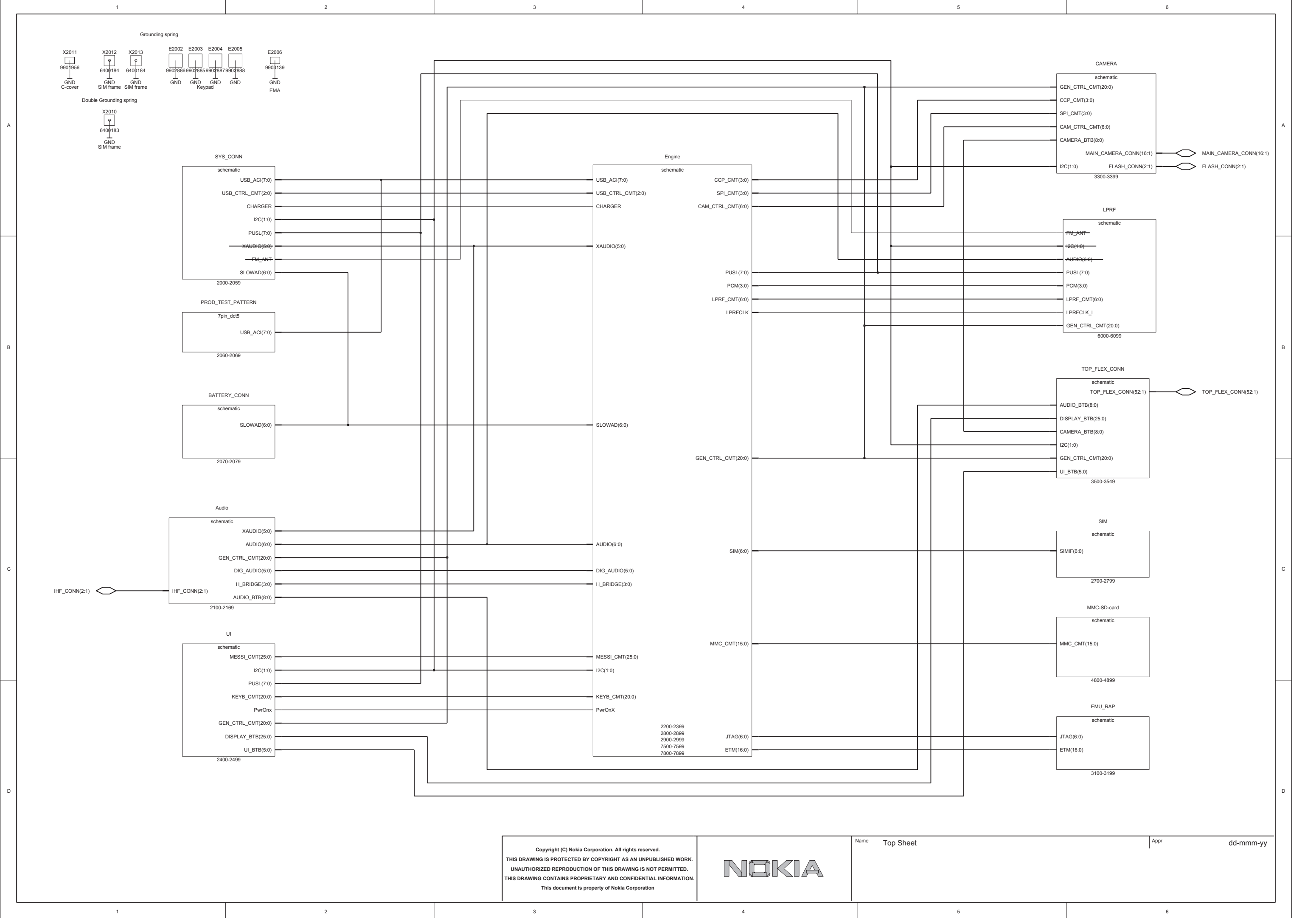
RM-325 (Nokia 6600 fold)

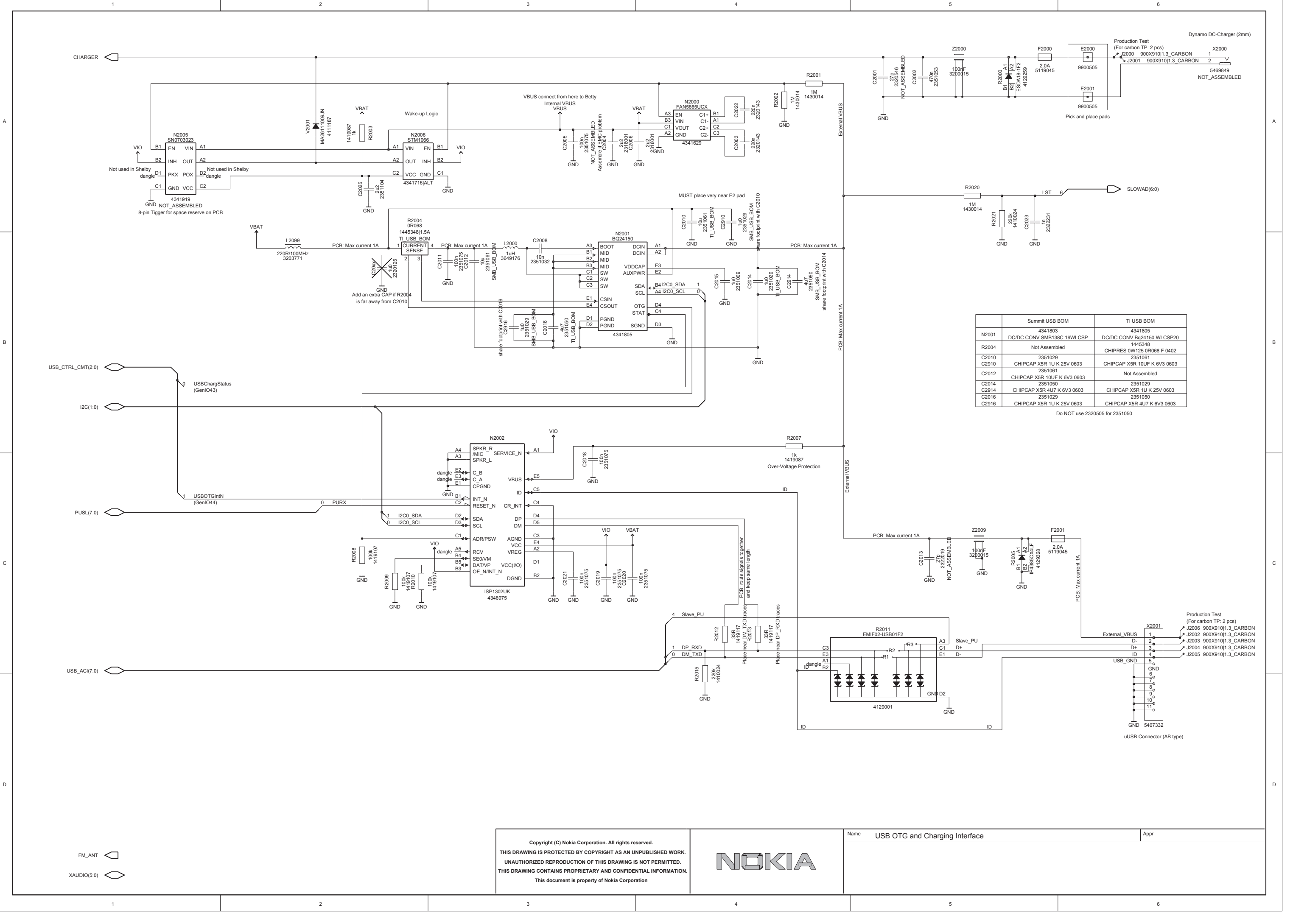
Schematics

Part No: (Issue 1)

COMPANY CONFIDENTIAL







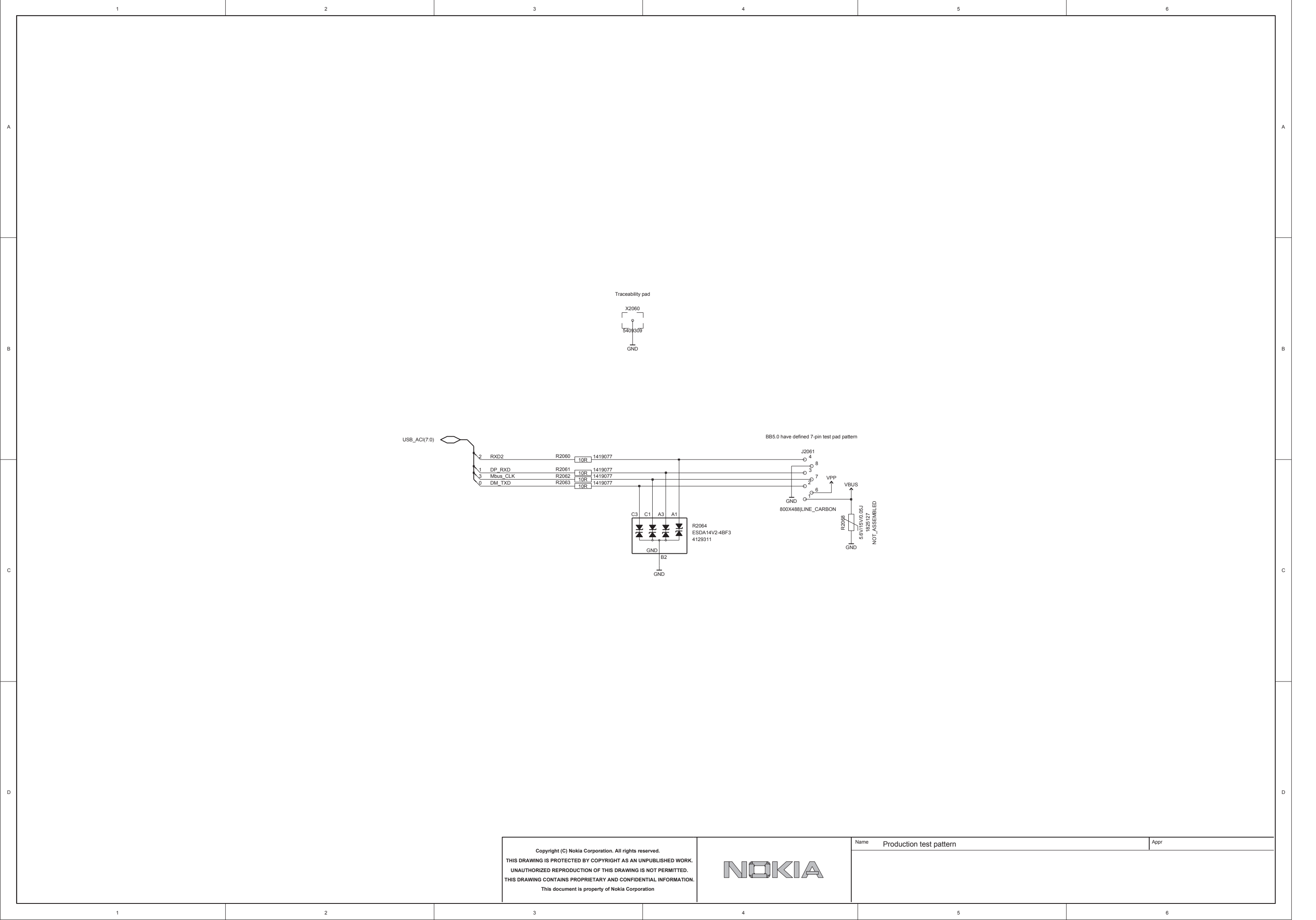
	Summit USB BOM	TI USB BOM
N2001	4341803 DC/DC CONV SMB138C 19WLCSP	4341805 DC/DC CONV Bq24150 WLCSP20
R2004	Not Assembled	CHIPRES 0W125 0R068 F 0402
C2010	2351029	2351061
C2910	CHIPCAP X5R 1U K 25V 0603	CHIPCAP X5R 10UF K 6V3 0603
C2012	2351061	Not Assembled
C2014	CHIPCAP X5R 10UF K 6V3 0603	2351029
C2914	CHIPCAP X5R 4U7 K 6V3 0603	CHIPCAP X5R 1U K 25V 0603
C2016	2351029	2351050
C2916	CHIPCAP X5R 1U K 25V 0603	CHIPCAP X5R 4U7 K 6V3 0603

Do NOT use 2320505 for 2351050

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Name	USB OTG and Charging Interface	Appr



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NOKIA

Name

Production test pattern

Appr

1

2

3

4

5

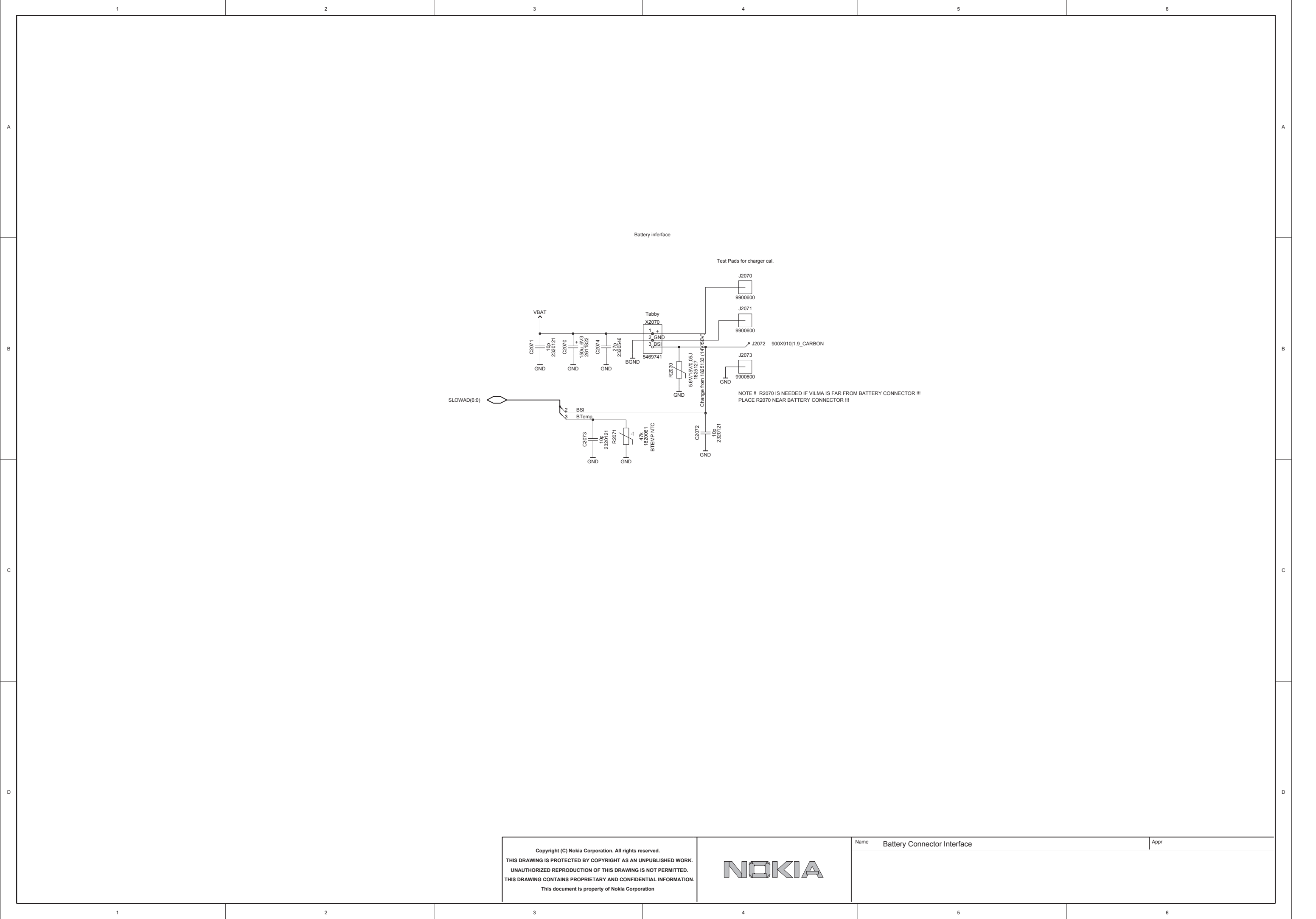
6

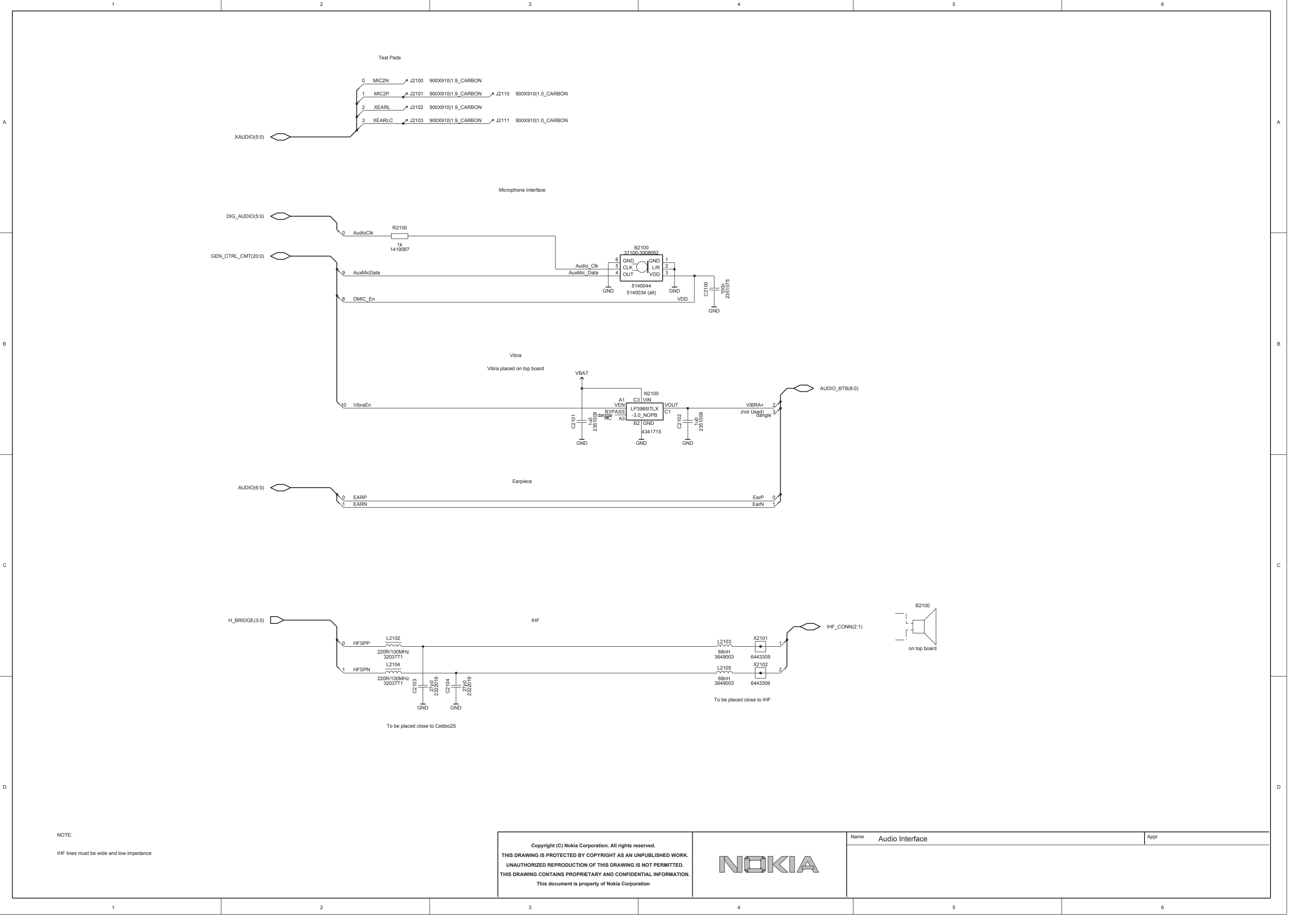
A

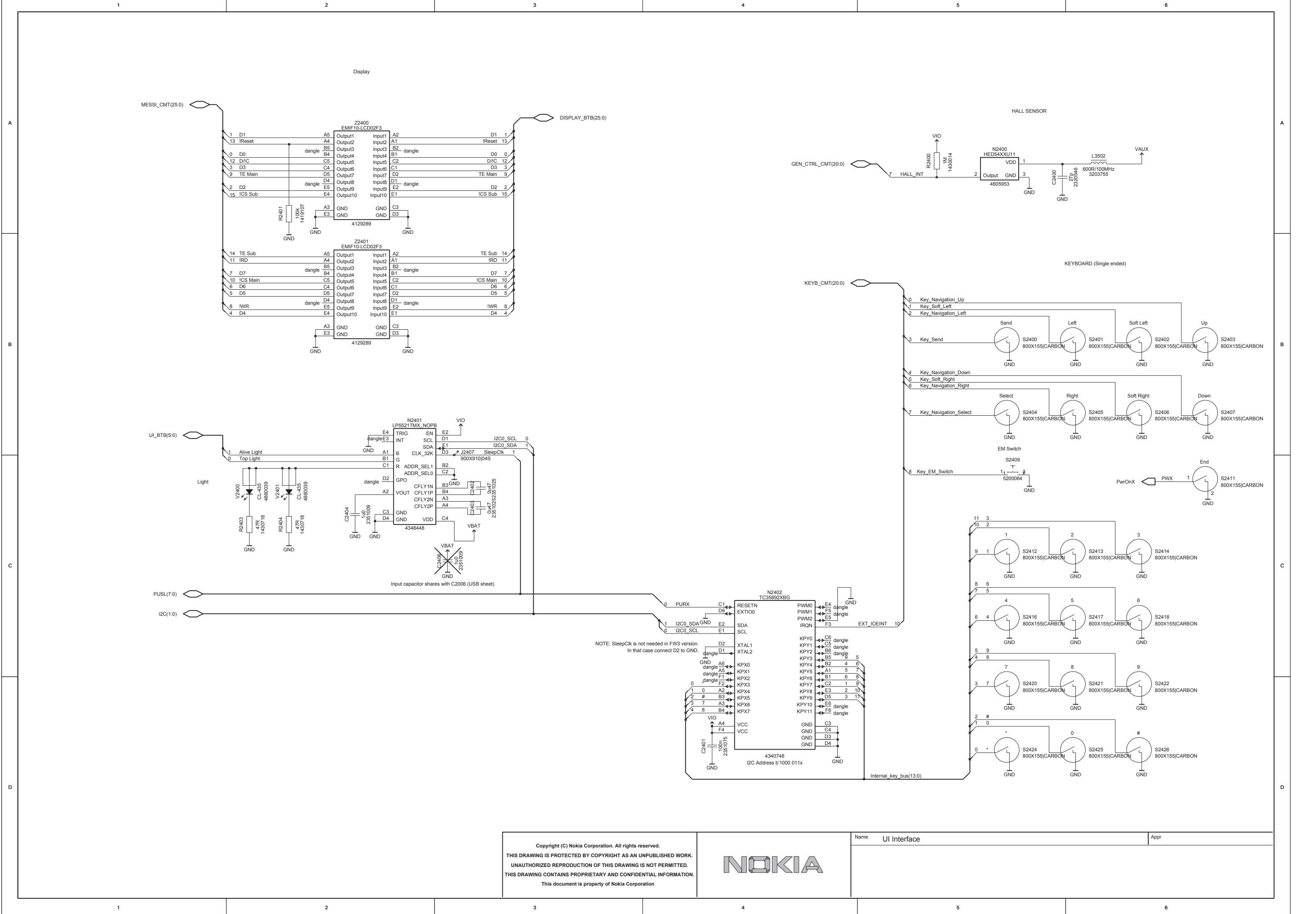
B

C

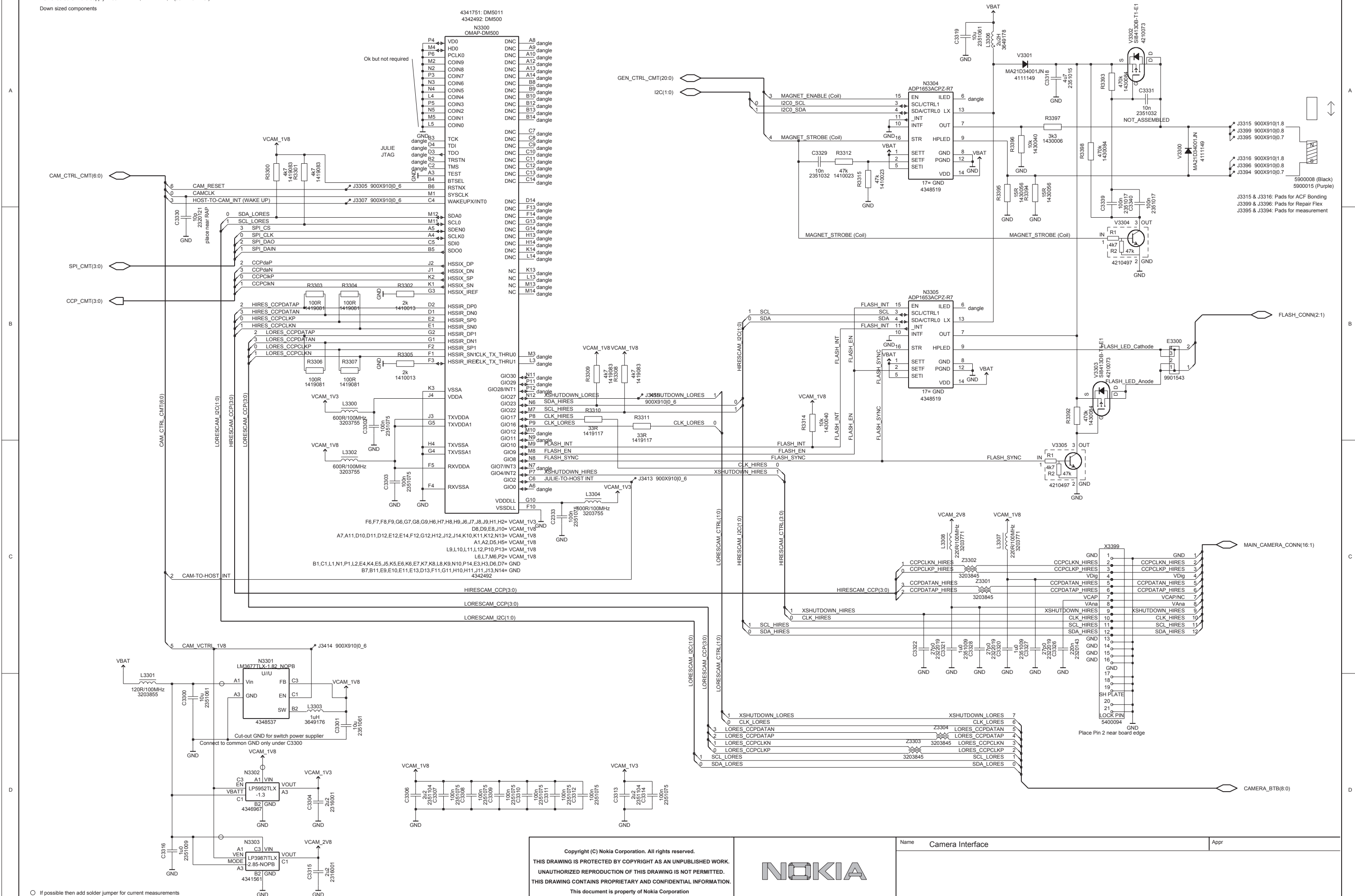
D







Added R3411 to Clik Lozes
Removed coils in the supply lines TXVDDA, TXVDDA1, ...(as in Hammer)
Down sized components



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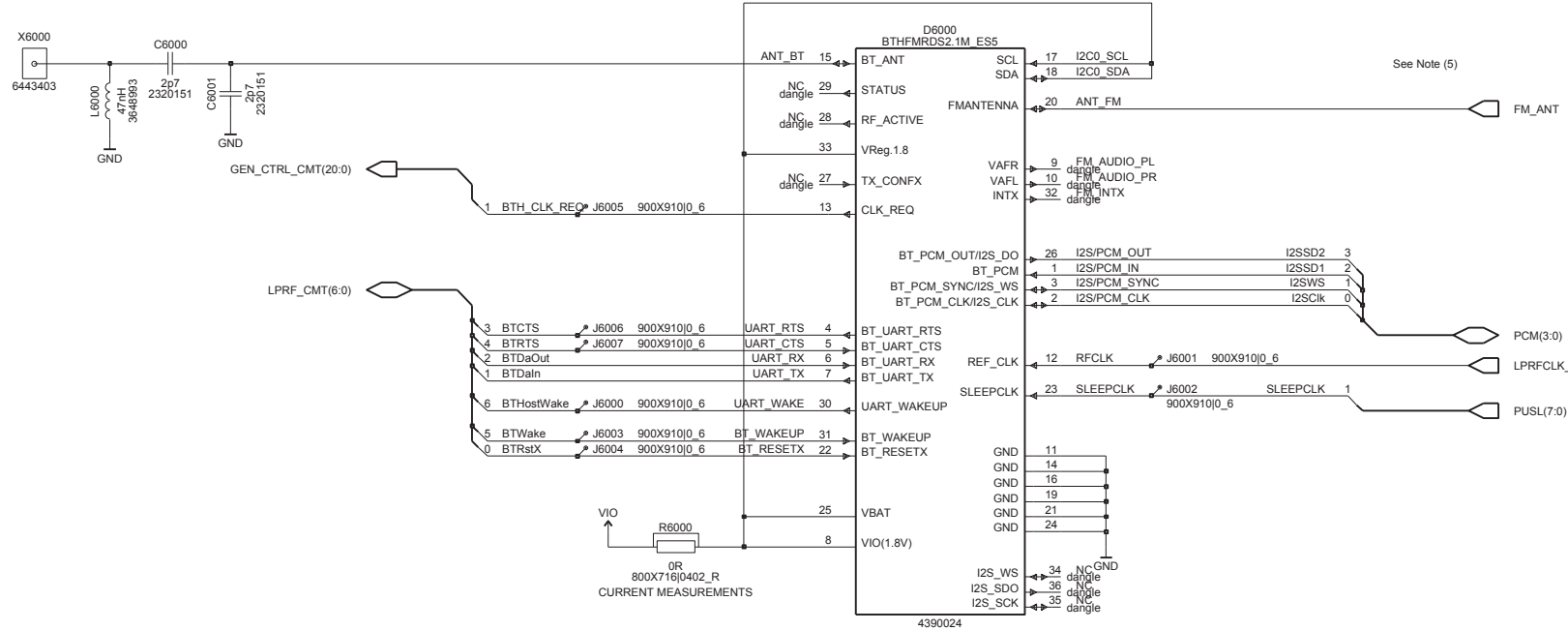
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Name	Camera Interface	Appr
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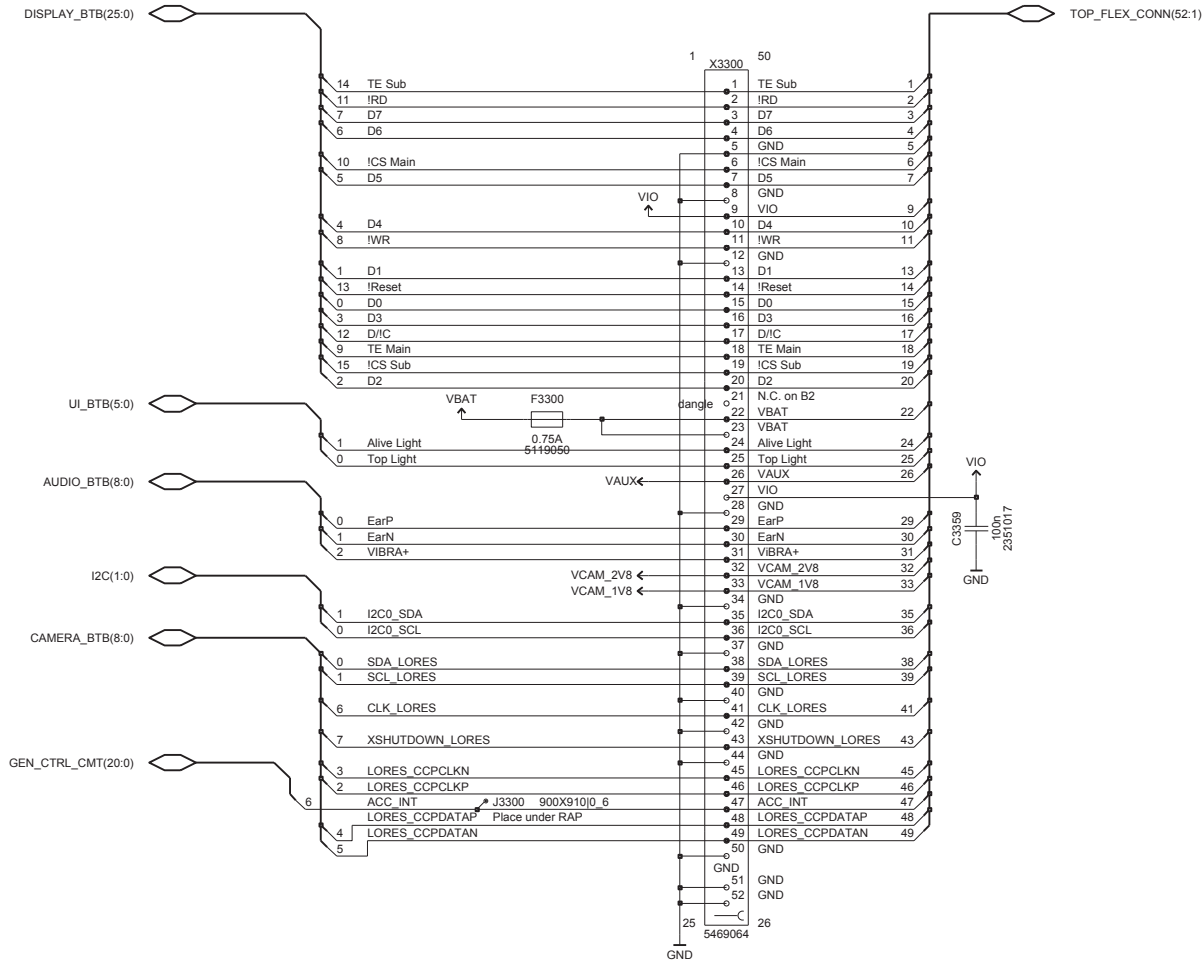
BLUETOOTH & FM RADIO MODULE INCLUDING RF FILTER



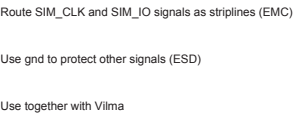
Notes

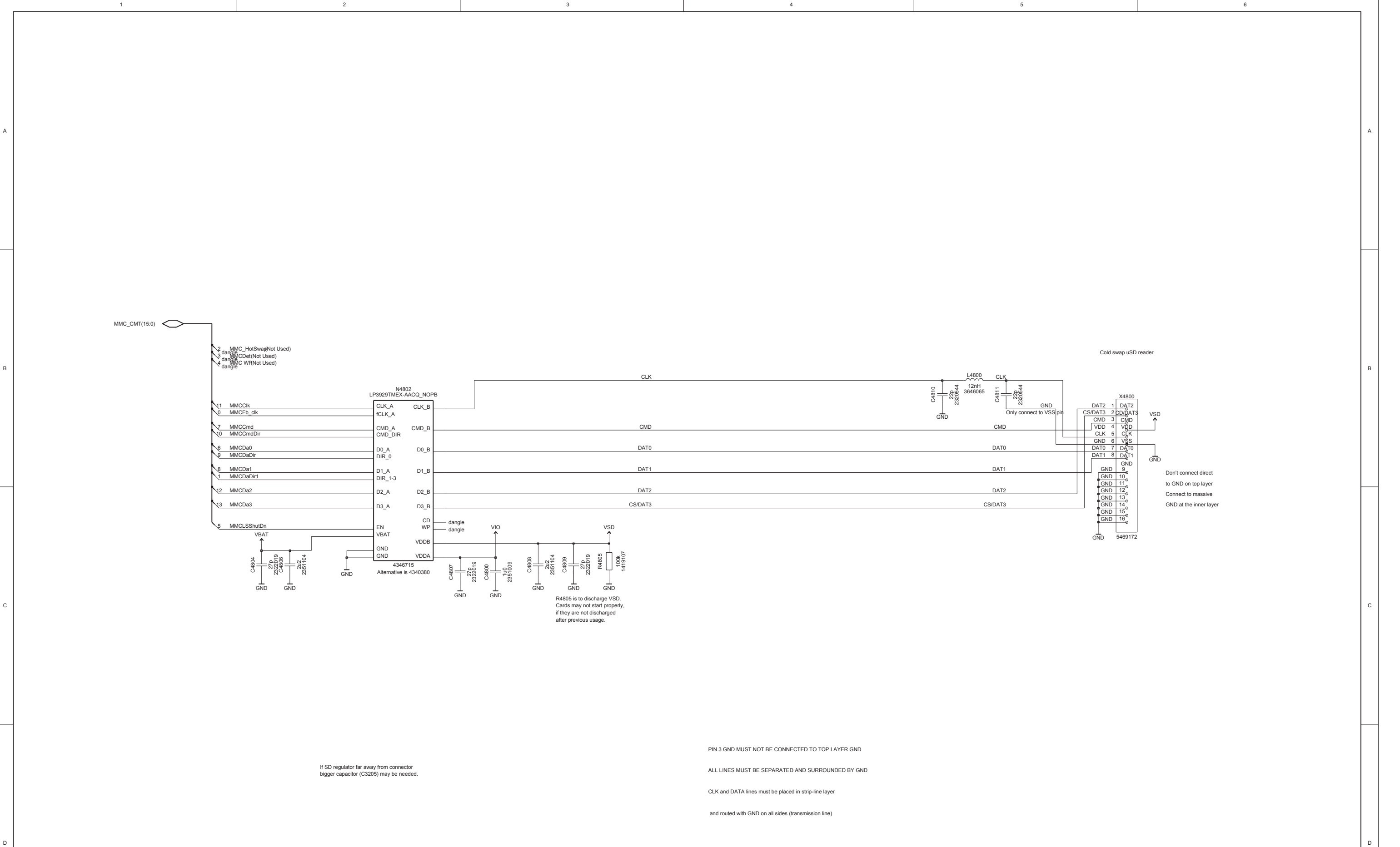
- (5) 3k3 Pull-up Resistors are required on I2C_SCL, I2C_SDA.
(7) Pins marked NC should be Not Connected.





NOTE:
Earpiece lines must be wide and low impedance





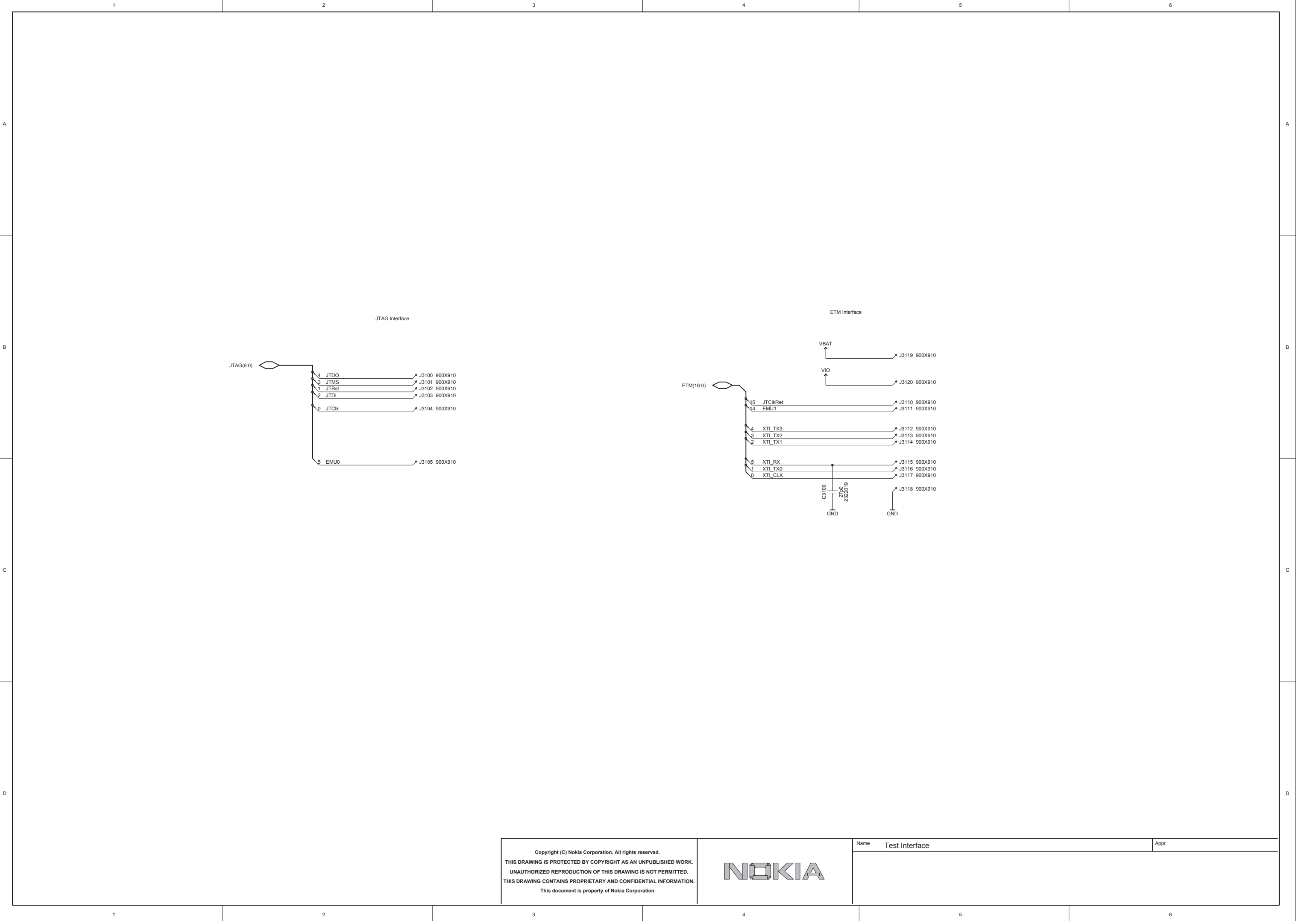
If SD regulator far away from connector
bigger capacitor (C3205) may be needed.

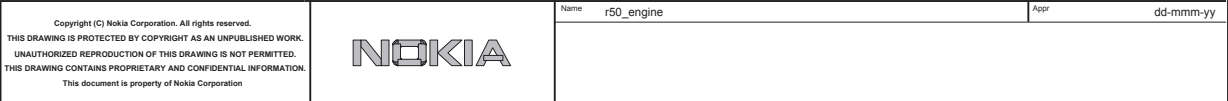
PIN 3 GND MUST NOT BE CONNECTED TO TOP LAYER GND

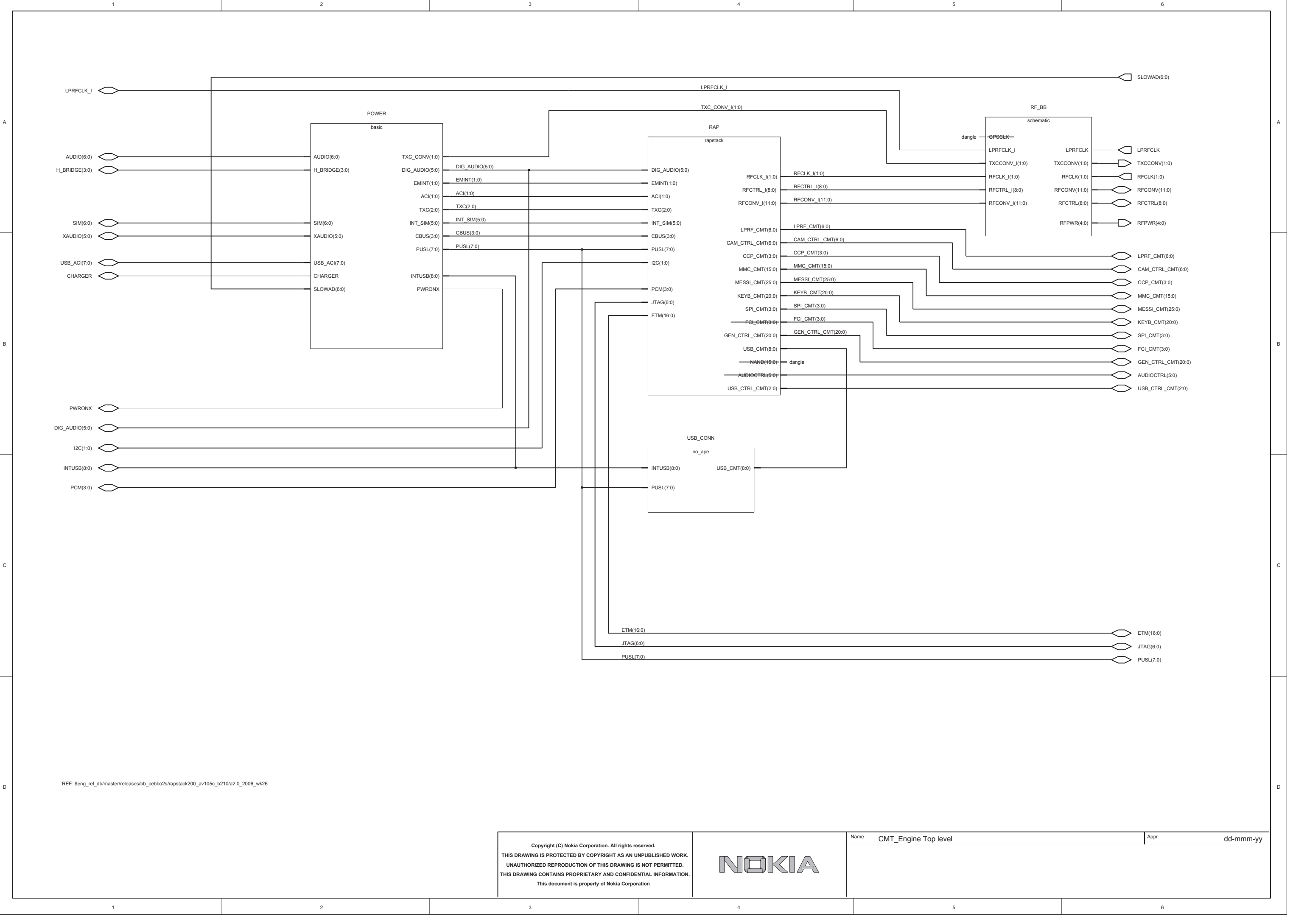
ALL LINES MUST BE SEPARATED AND SURROUNDED BY GND

CLK and DATA lines must be placed in strip-line layer

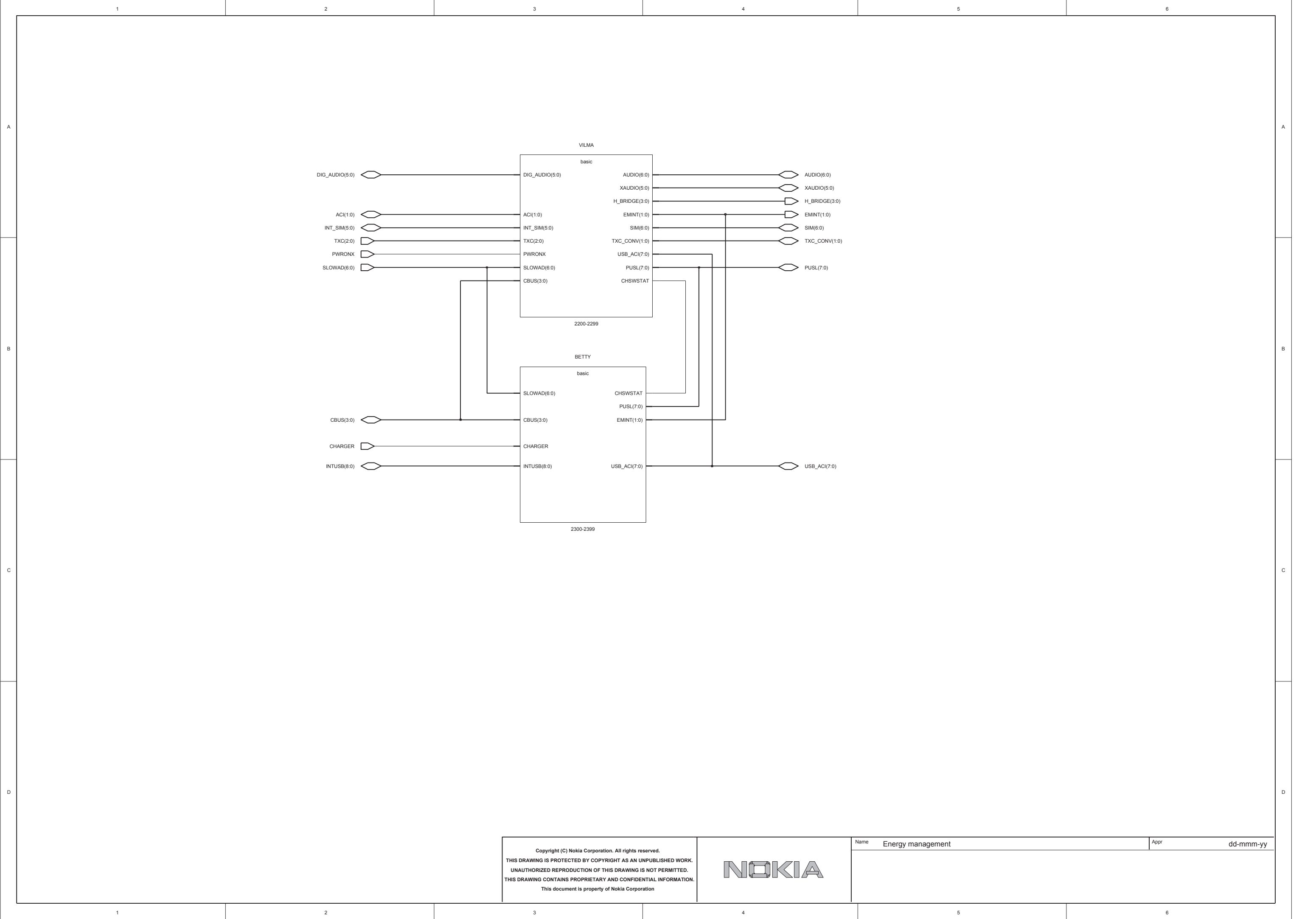
and routed with GND on all sides (transmission line)

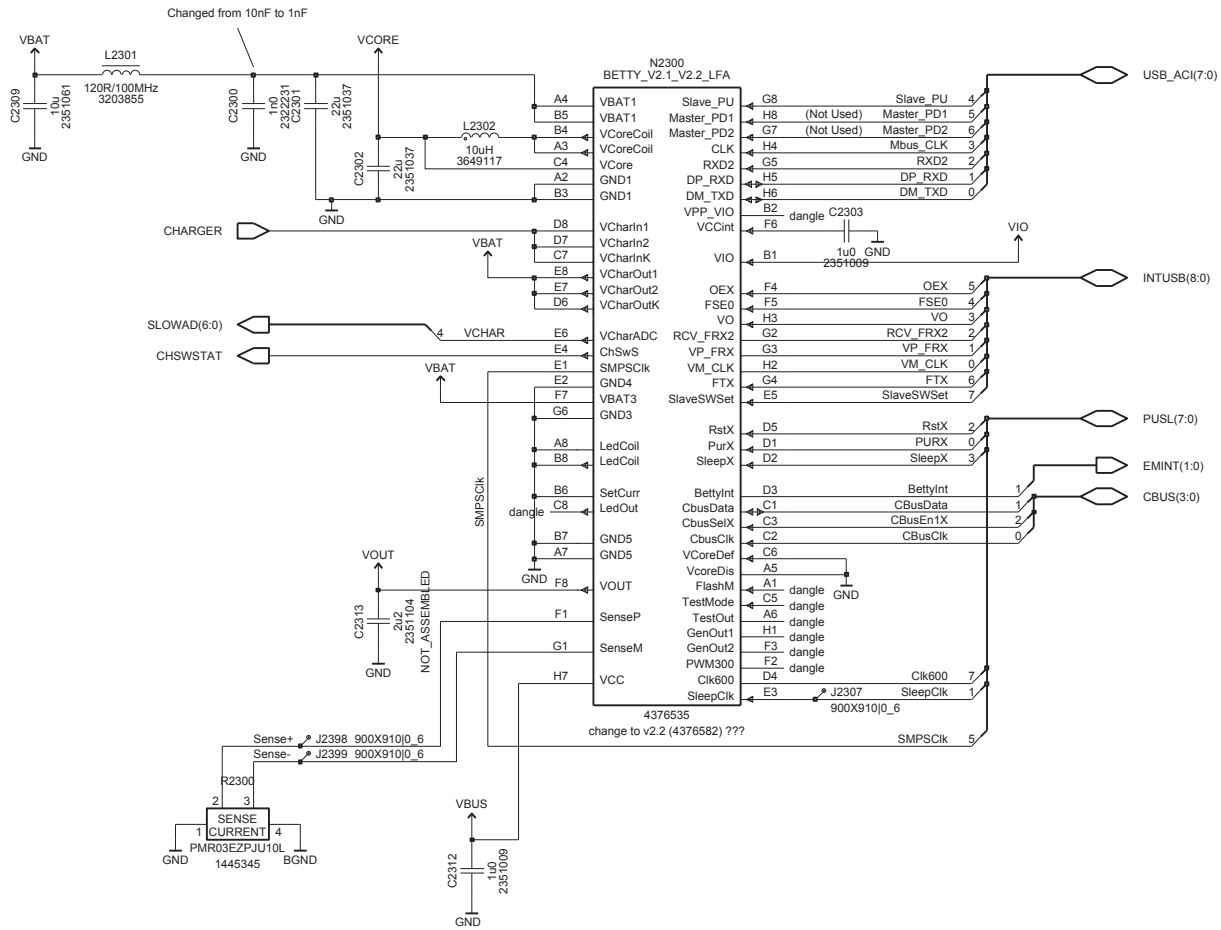






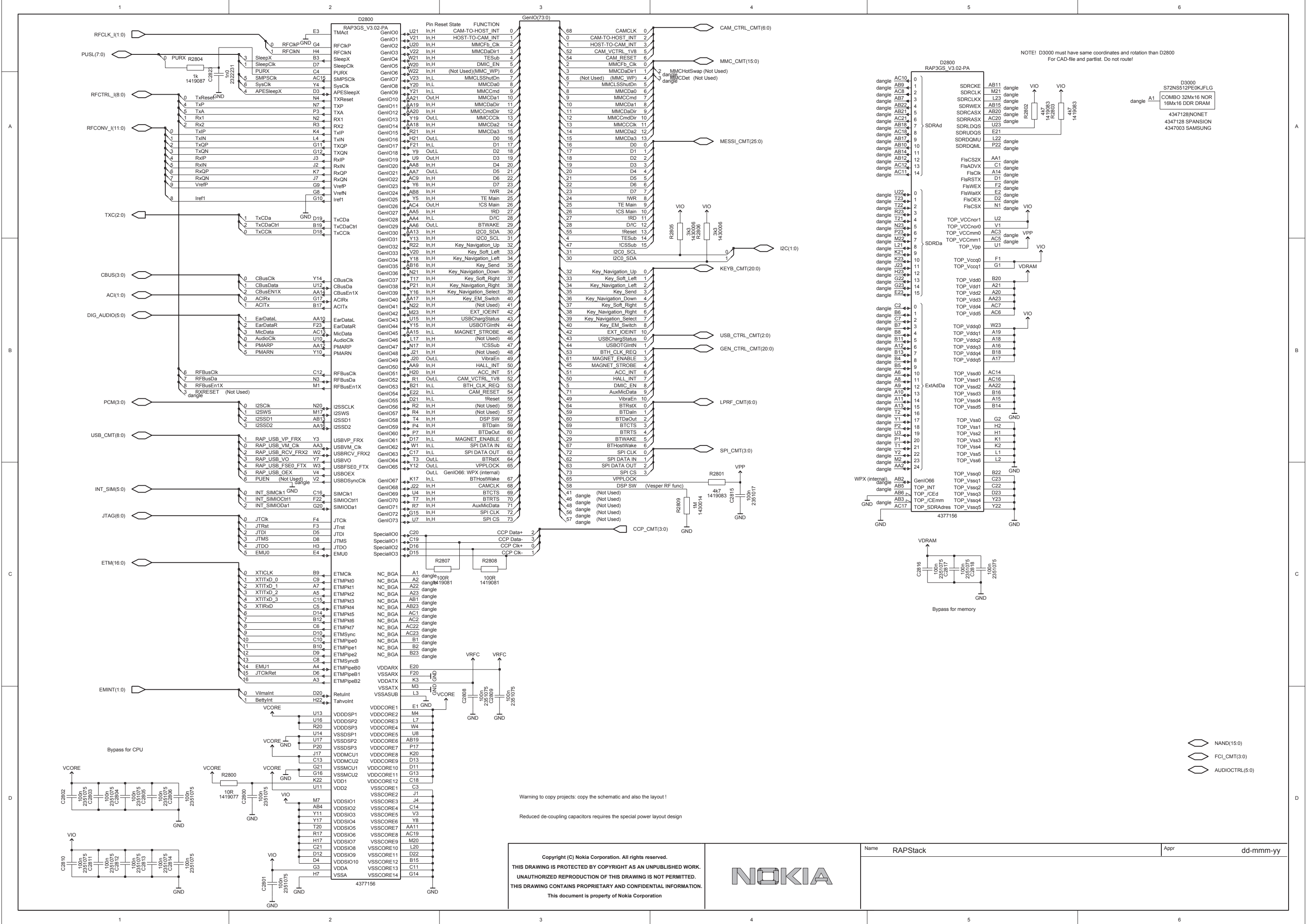
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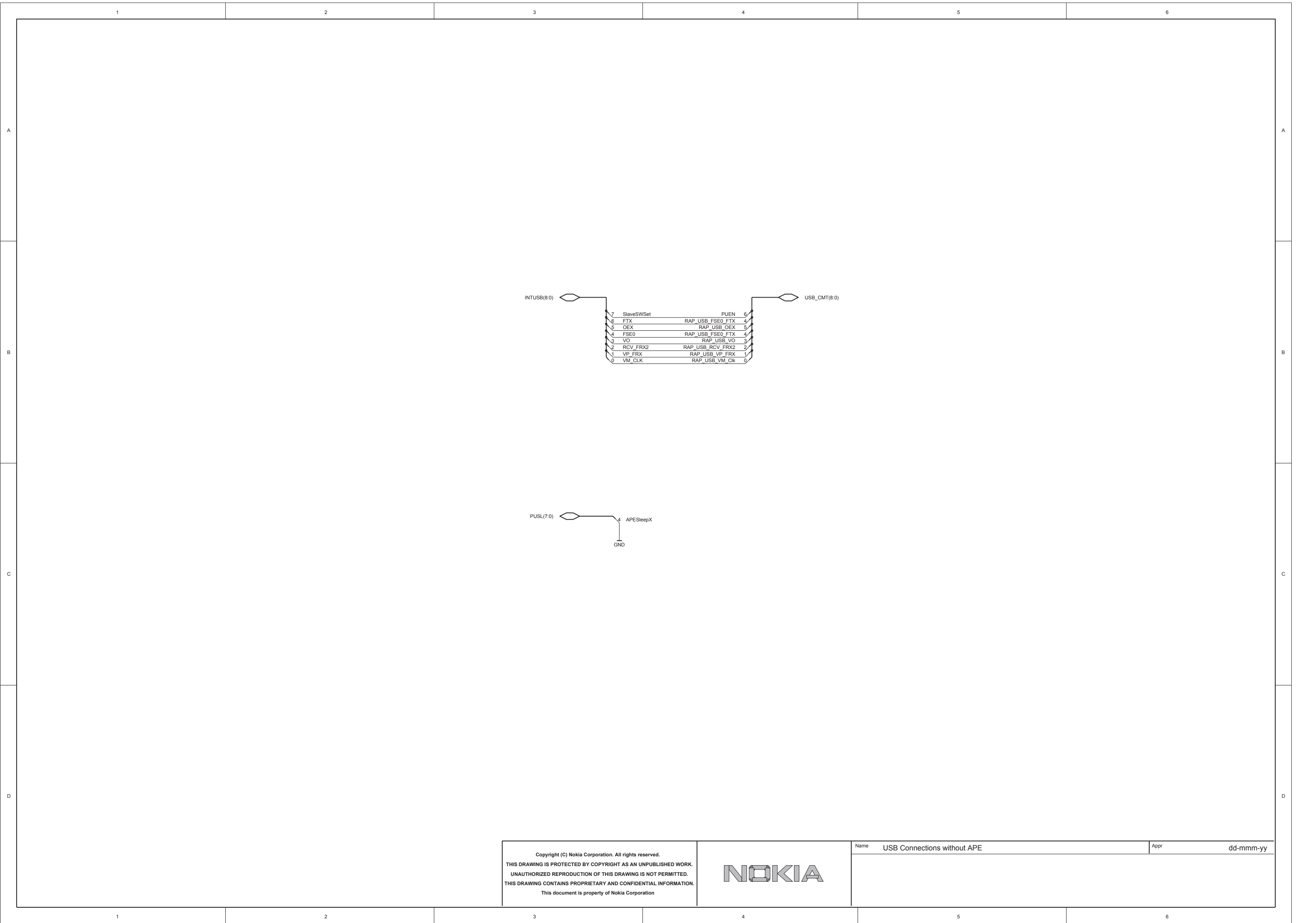




Warning to copy projects: copy the schematic and also the layout !

Reduced de-coupling capacitors requires the special power layout design





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NOKIA

Name

USB Connections without APE

Appr

dd-mmm-yy

A

B

C

D

1

2

3

4

5

6

A

B

C

D

CBB5X

TOP SHEET

RFCLK_I(1:0)

0: RFCLKP
1: RFCLKN

RFCLK(1:0)

LPRFCLK_I

LPRFCLK

RFCONV_I(11:0)

0: TxIP
1: TxIN
2: TxQP
3: TxQN
4: RxIP
5: RxIN
6: RxQP
7: RxQN
8: Iref1
9: VrefP
10: DRXIP (Not Used)
11: DRXIN (Not Used)

RFCONV(11:0)

RFCTRL_I(8:0)

0: TxReset
1: Rx1 (Not Used)
2: Rx2 (Not Used)
3: RXRESET ? (Not Used)
4: TxP (Not Used)
5: TxA (Not Used)
6: RFBUSclk
7: RFBUSda
8: RFBUSen1X

RFCTRL(8:0)

TXCCONV_I(1:0)

0: AFC
1: TxCl

TXCCONV(1:0)

GPSCLK

VBAT
VRCP1
VR1
VREF
0
1
2
3

RFPWR(4:0)

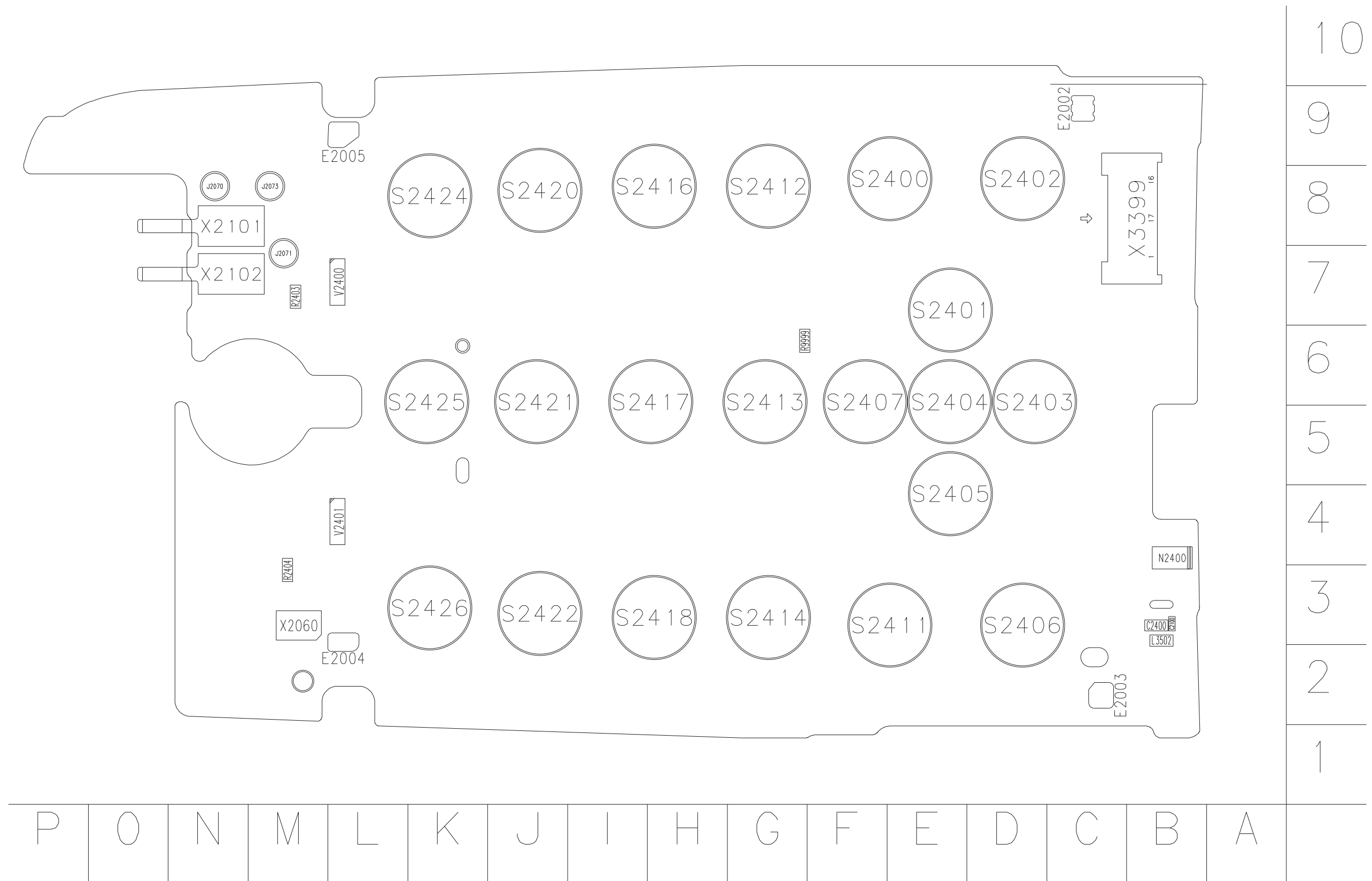
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NOKIA

Name RF IF

Appr

dd-mmm-yy



10

9

8

7

6

5

4

3

2

1

