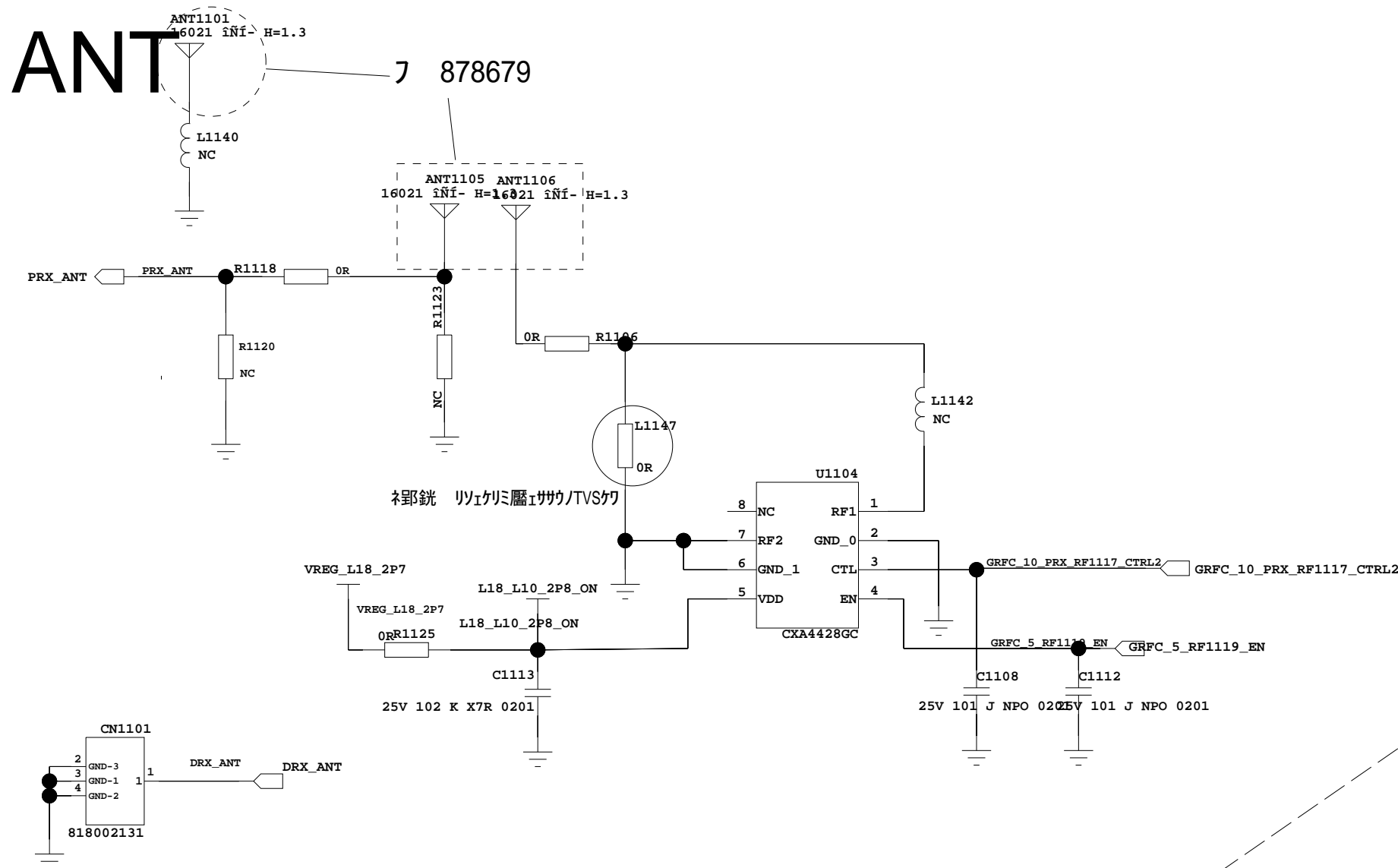
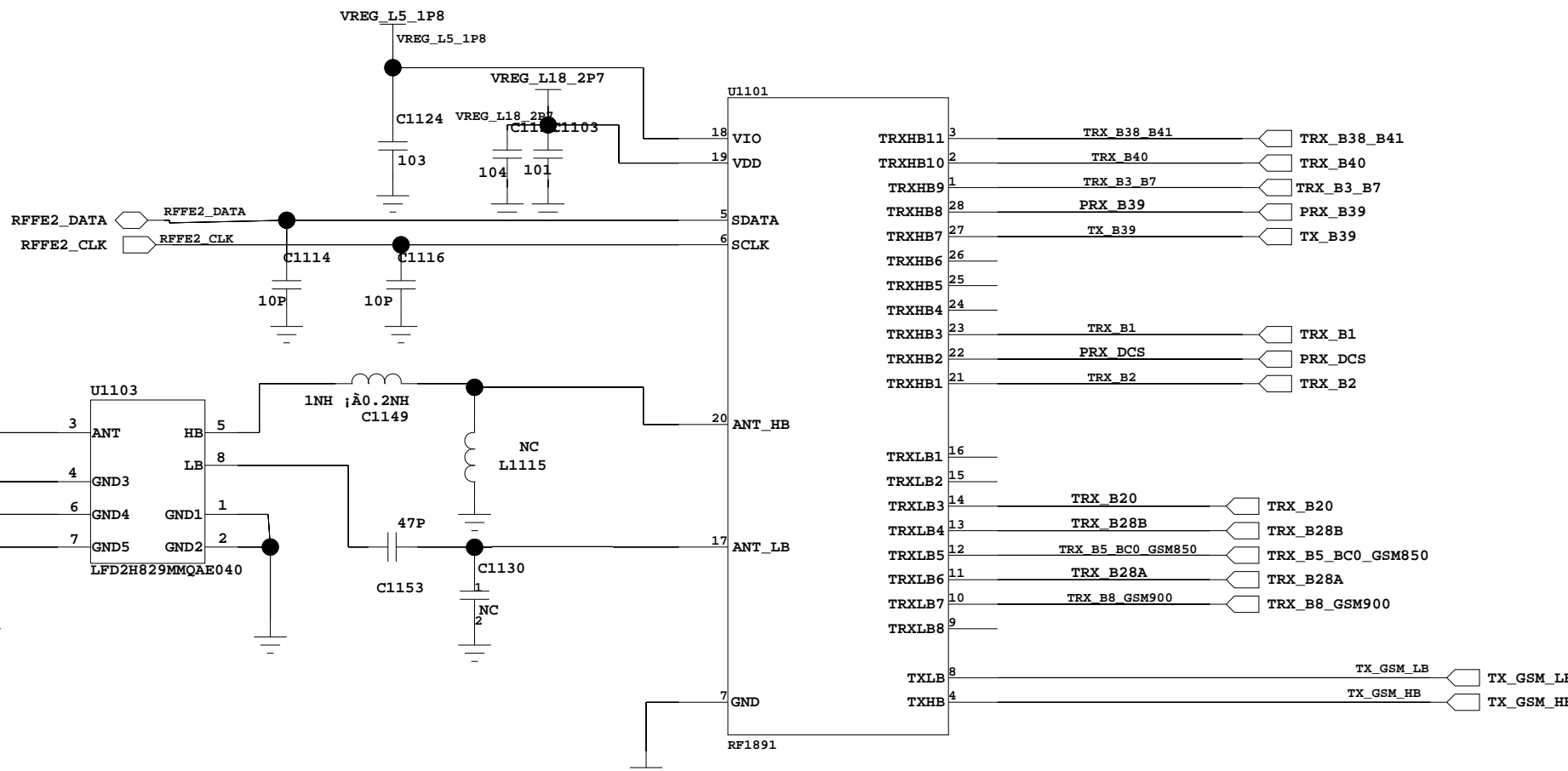
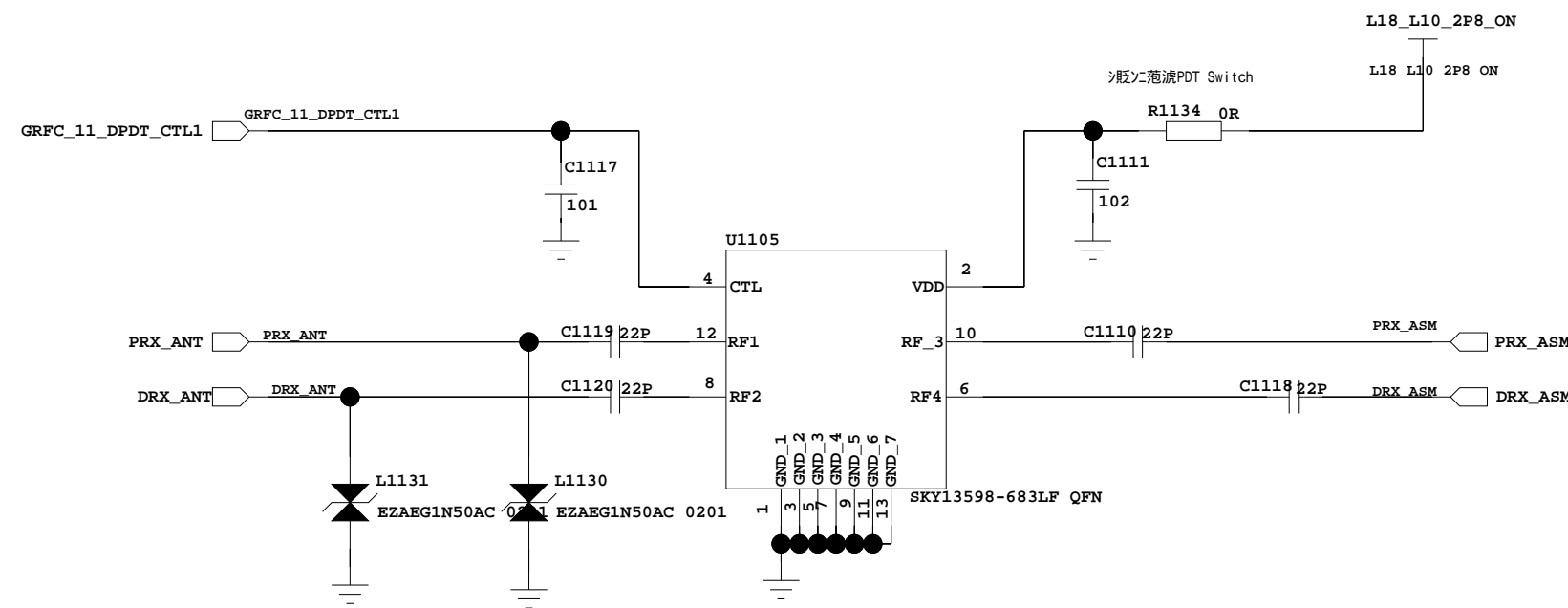


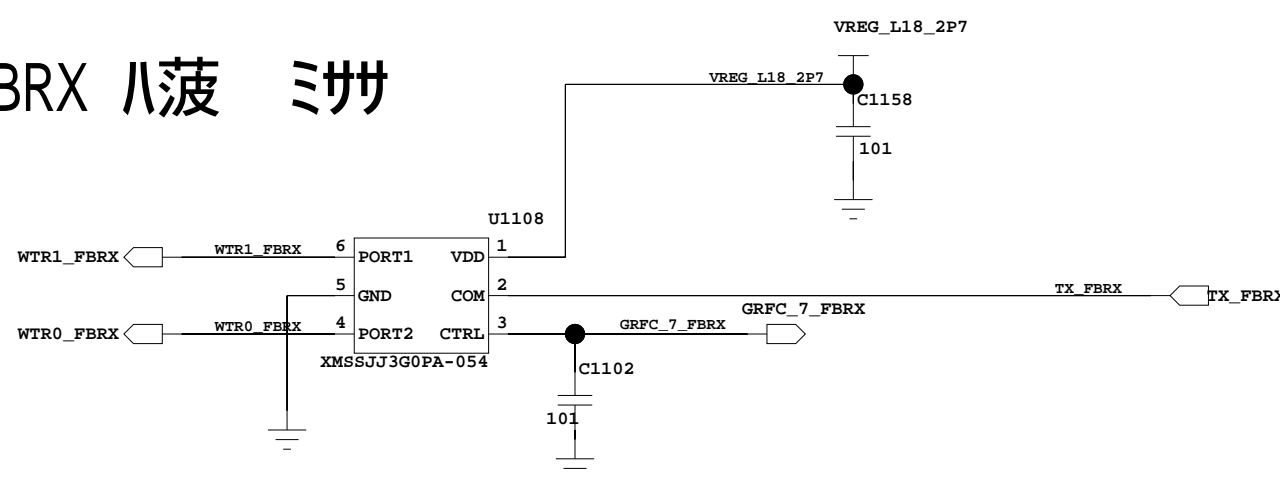
ANT



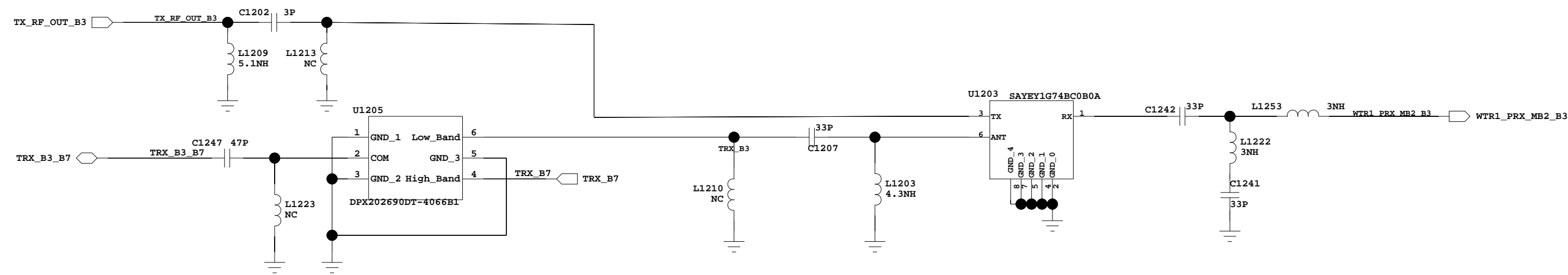
ÉïïÂîîïßÇÐ»»·½°,DPDT



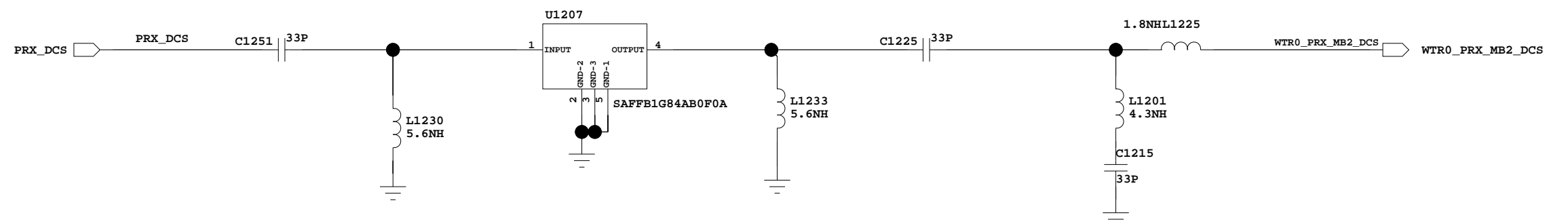
FBRX ハ波 ミサ



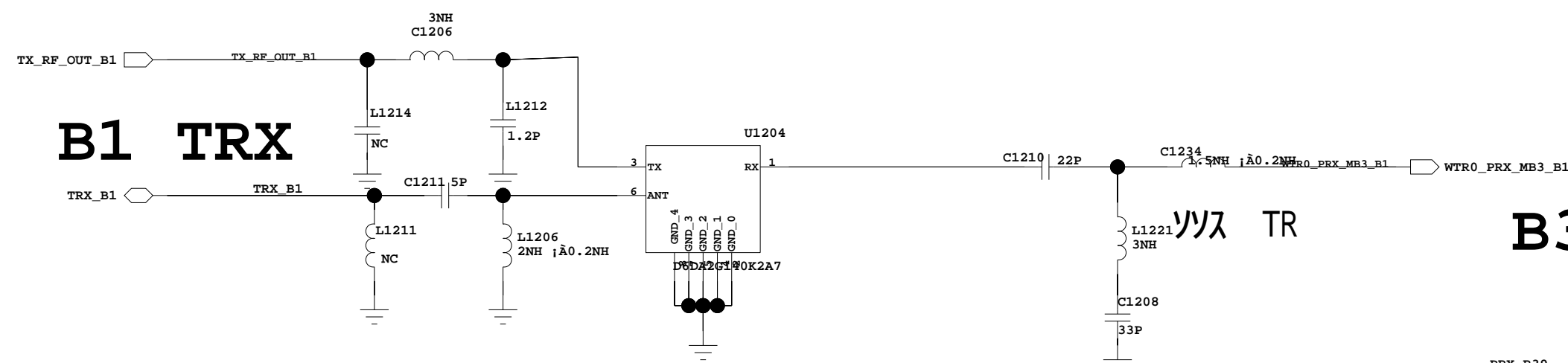
B3 TRX



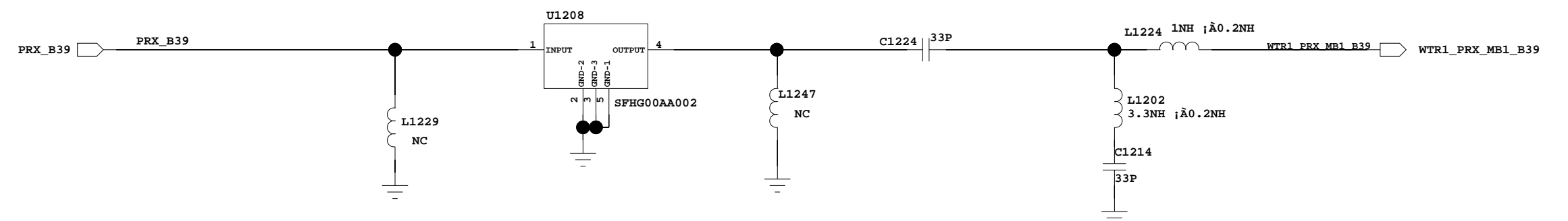
DCS RX SAW



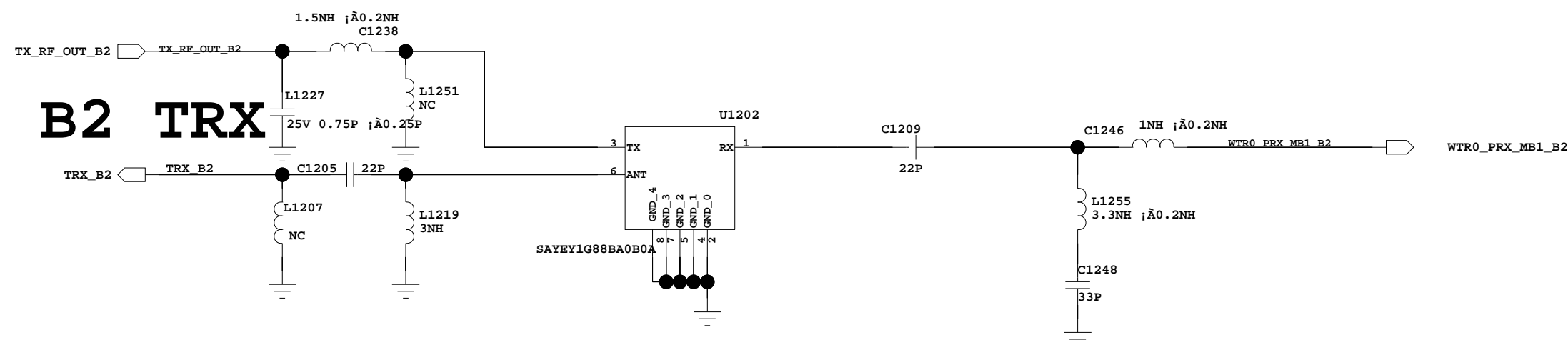
B1 TRX

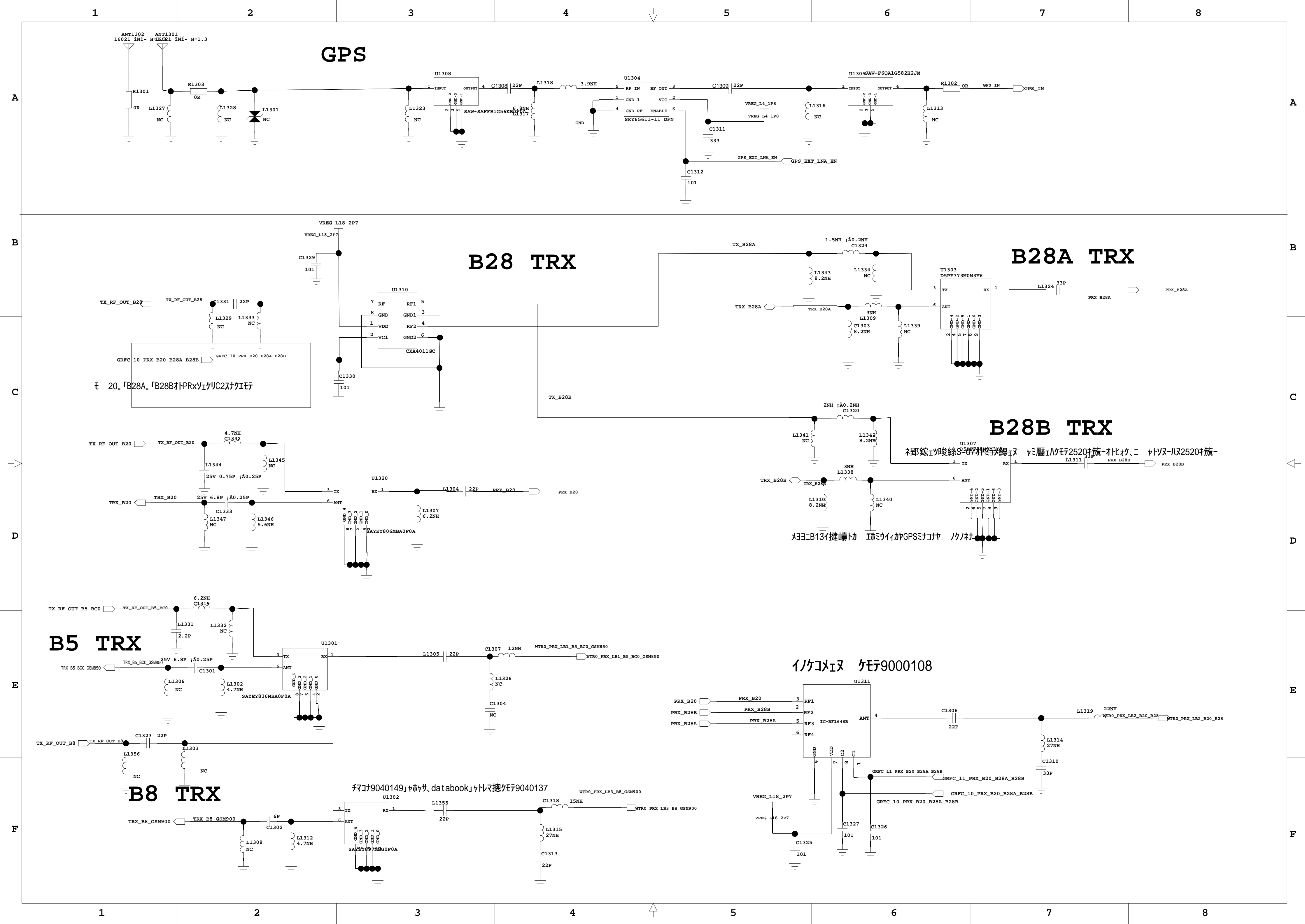


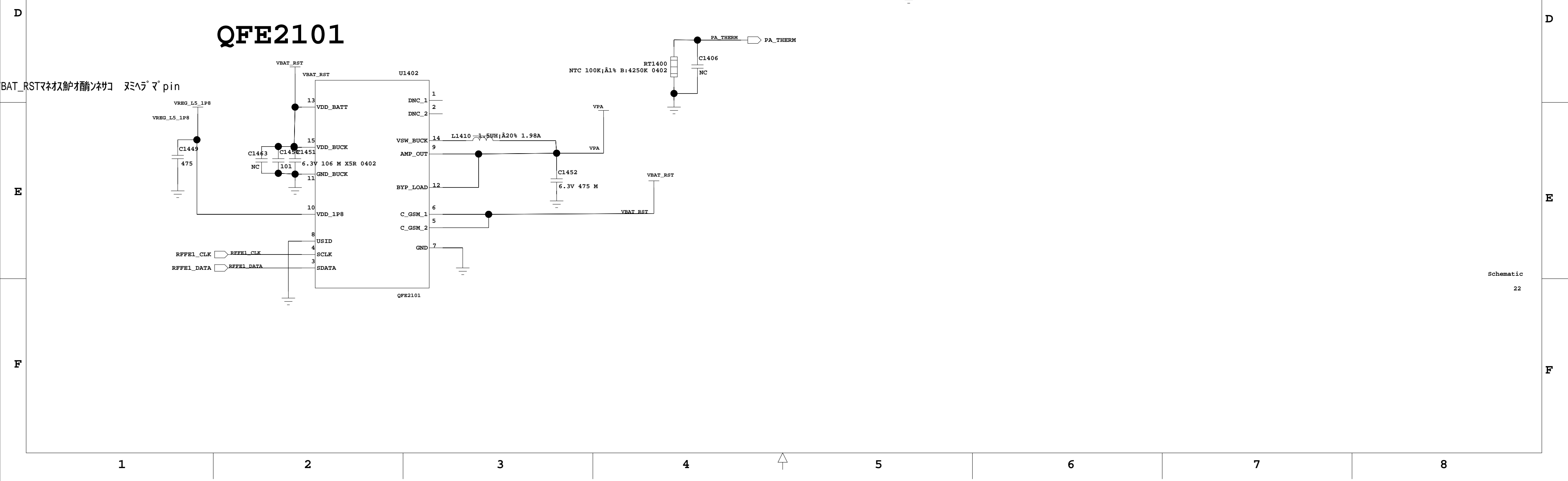
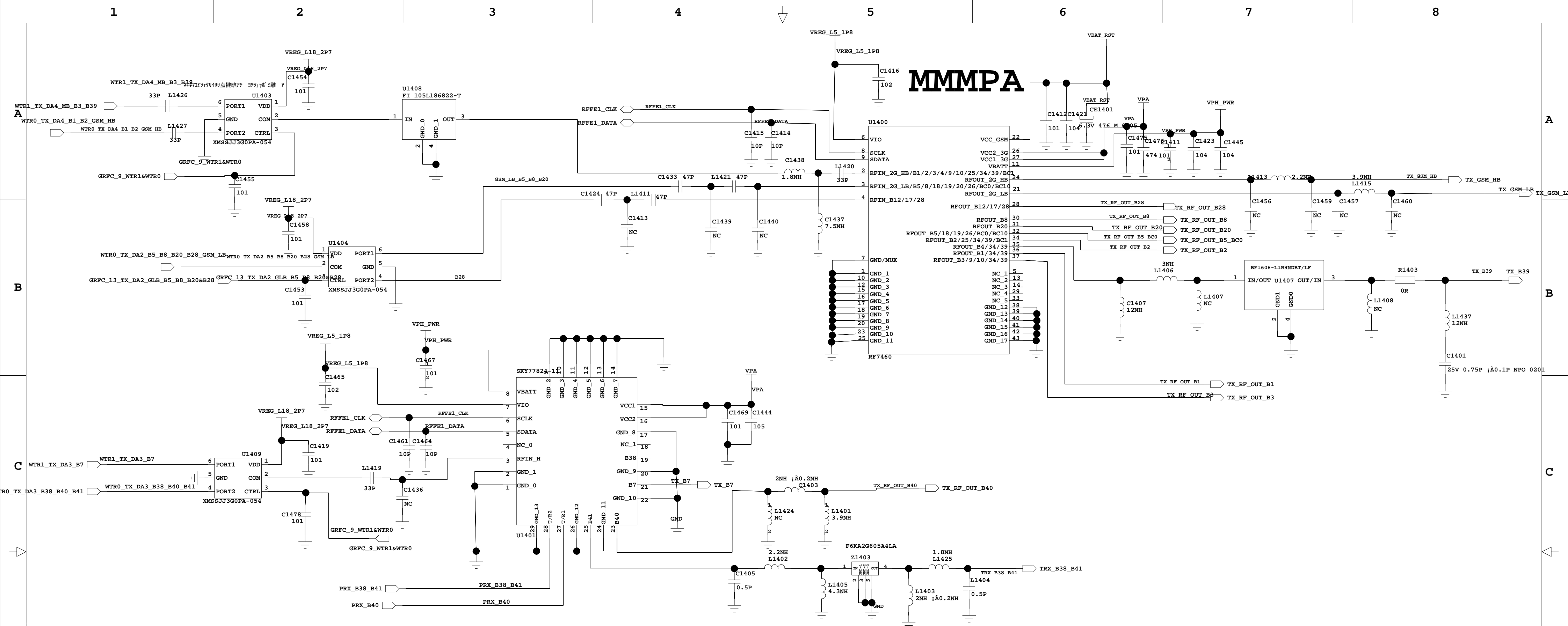
B39 RX SAW



B2 TRX:





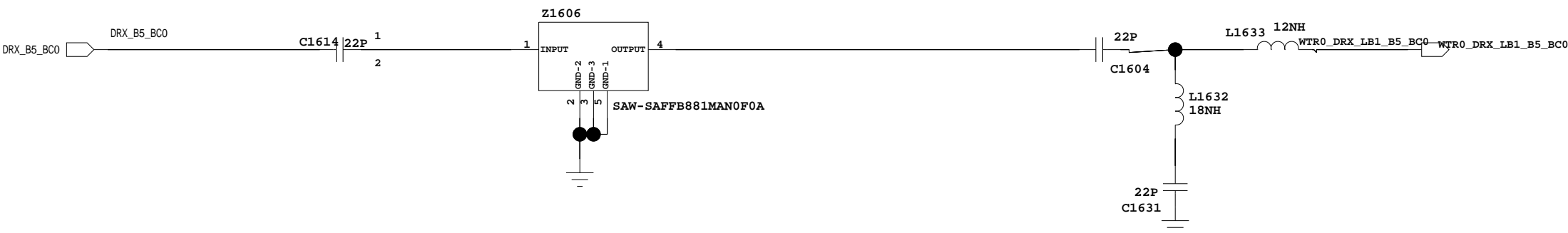


A

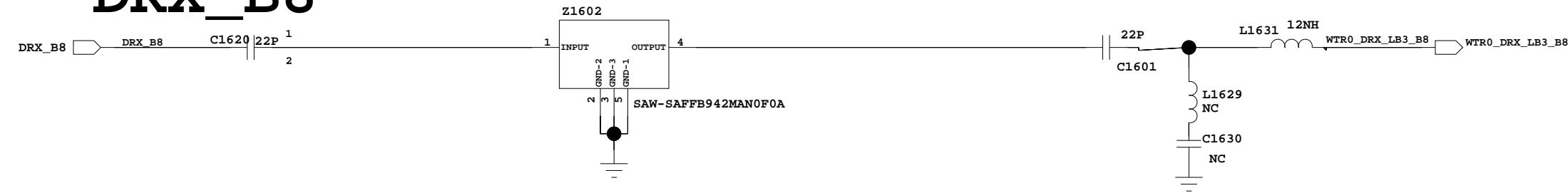


DRX_MLB

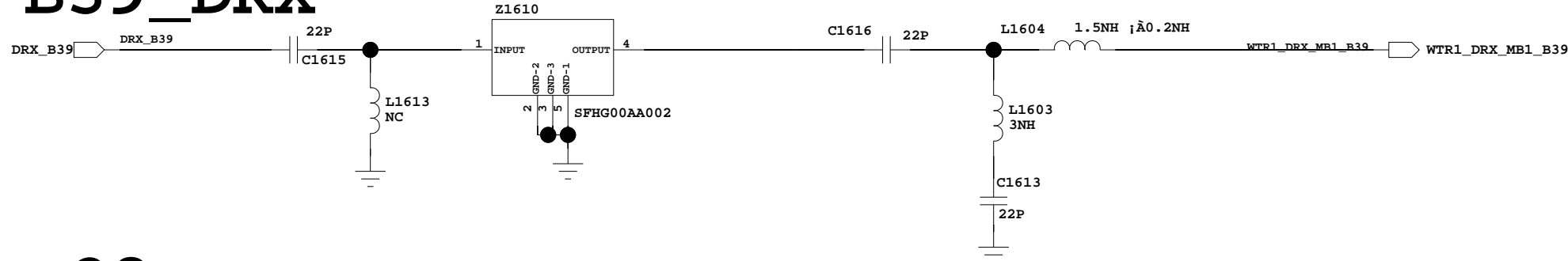
B5 DRX



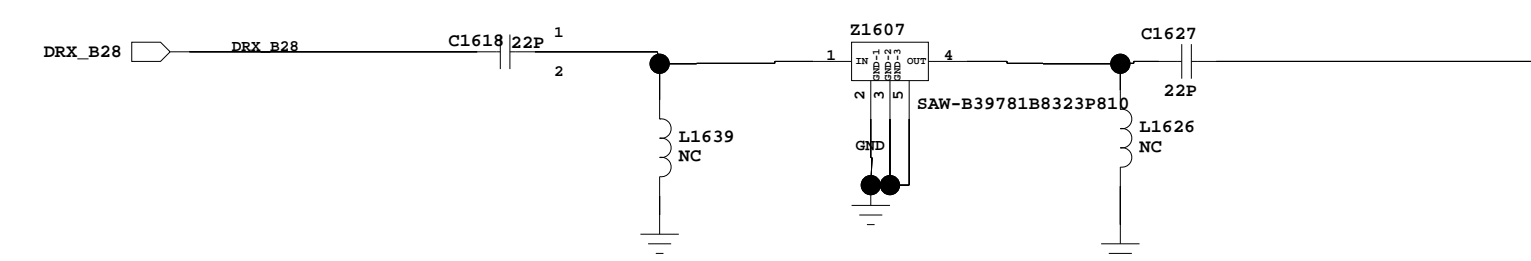
DRX_B8



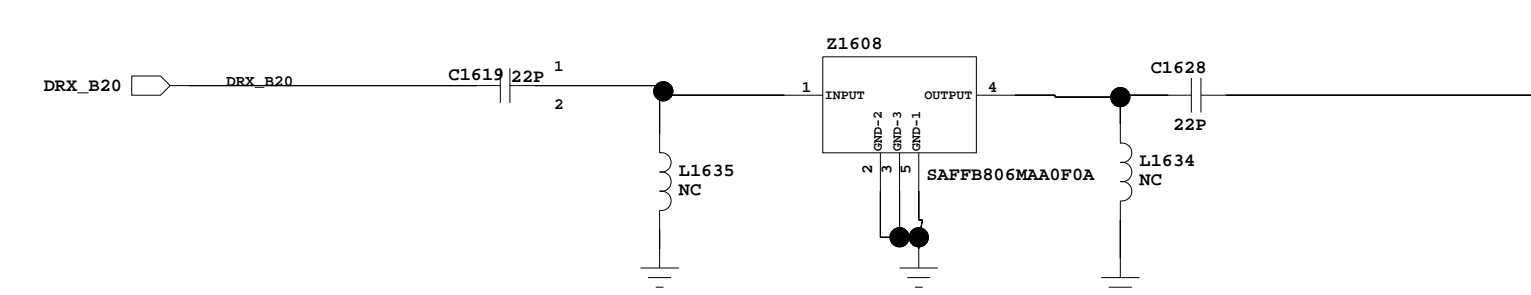
B39_DRX



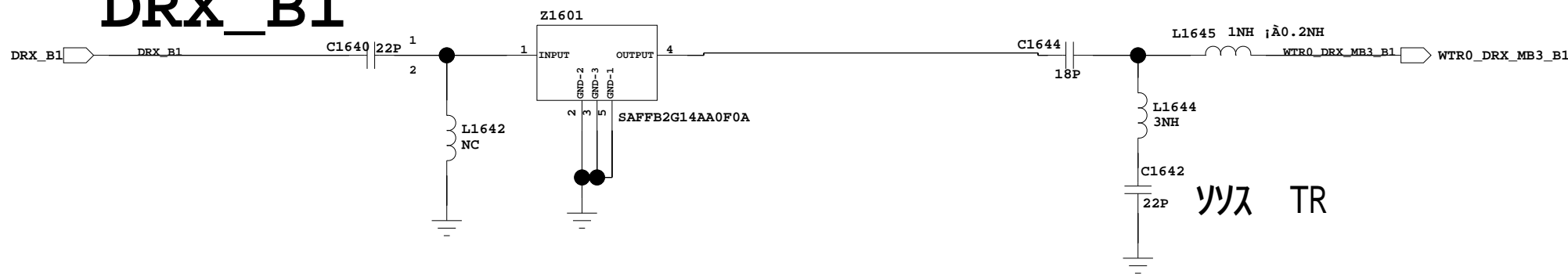
B28_DRX



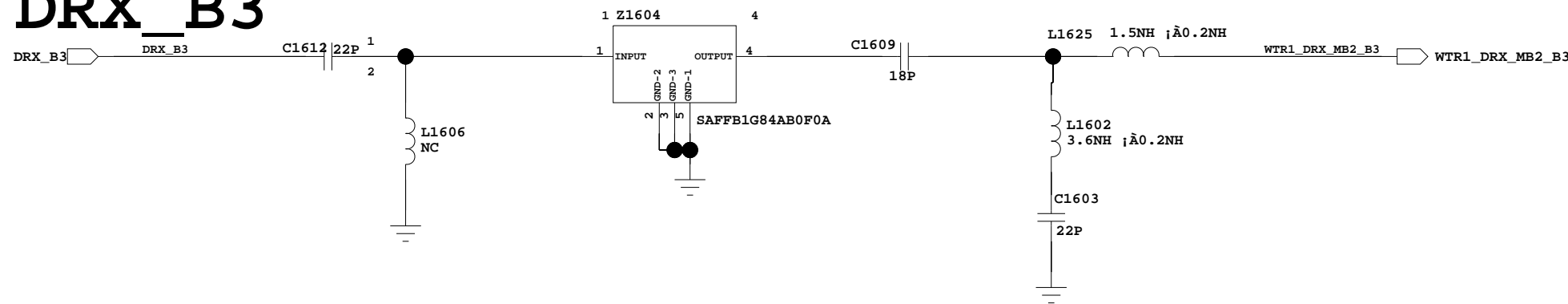
B20_DRX



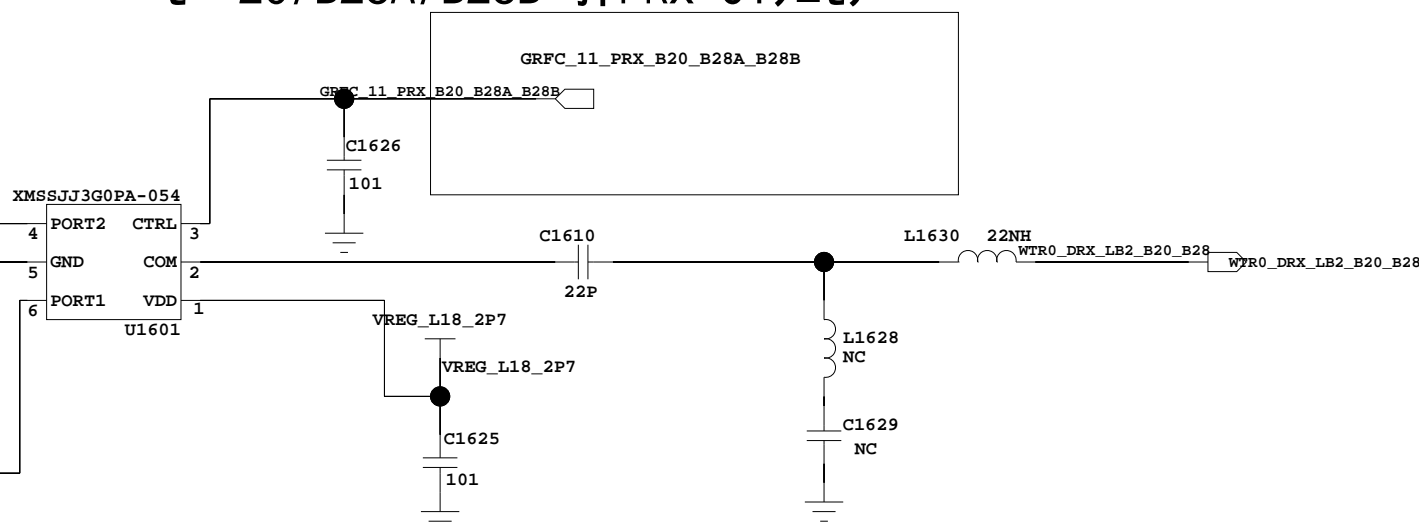
DRX_B1



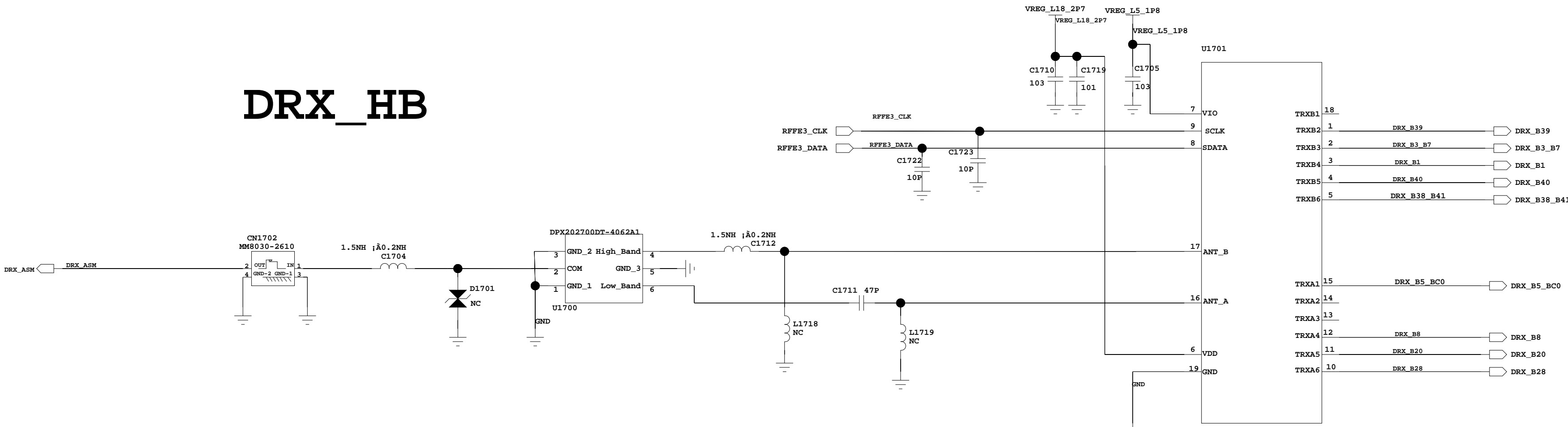
DRX_B3



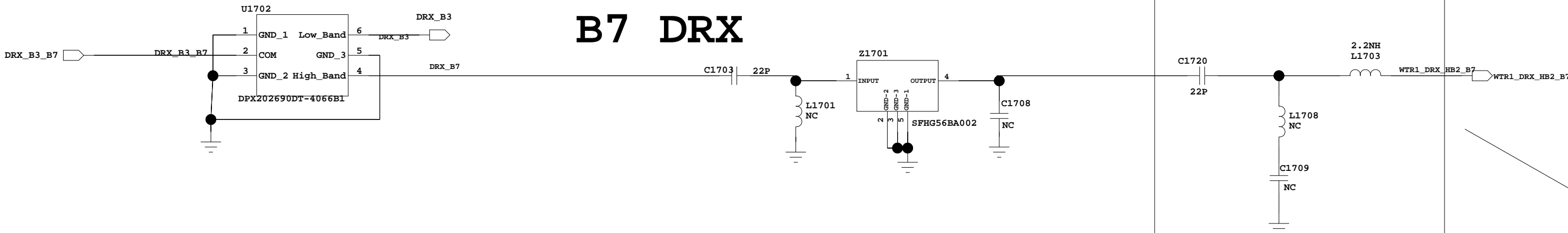
20/B28A/B28B 朴PRx C171E7



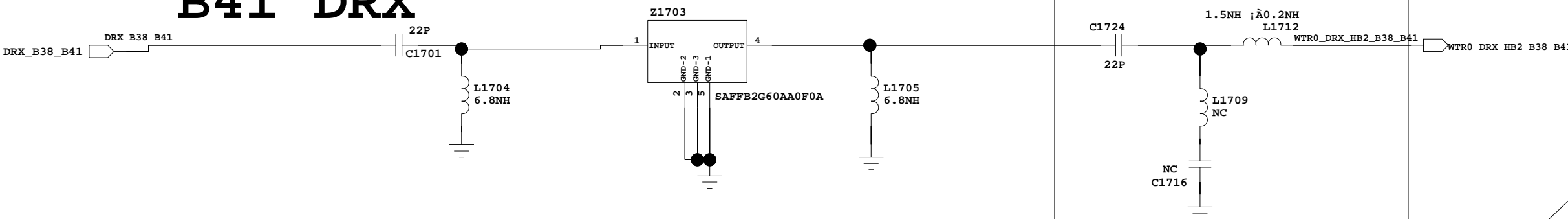
DRX_HB



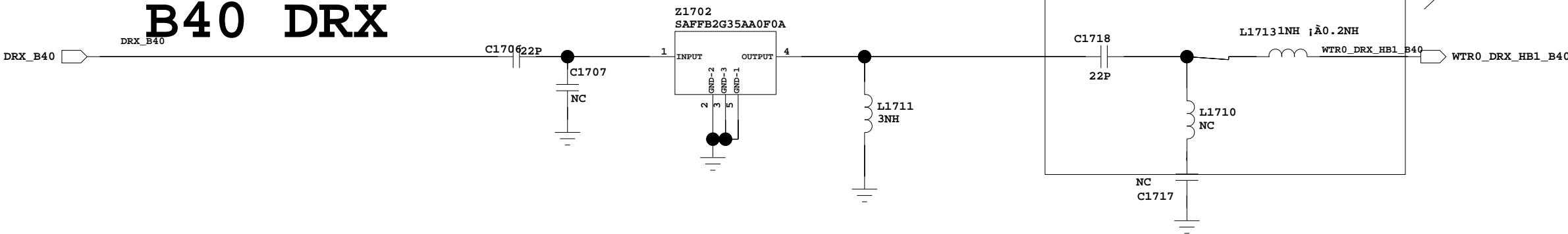
B7 DRX



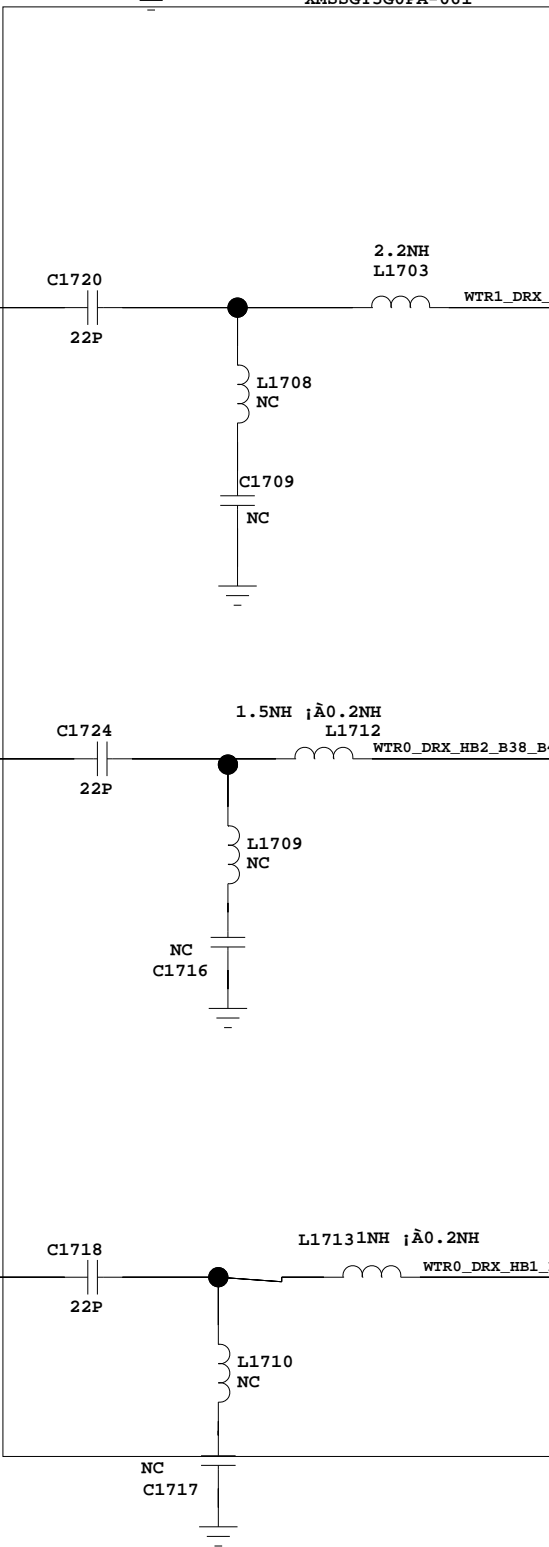
B41 DRX



B40 DRX



TR



A

B

C

D

E

F

A

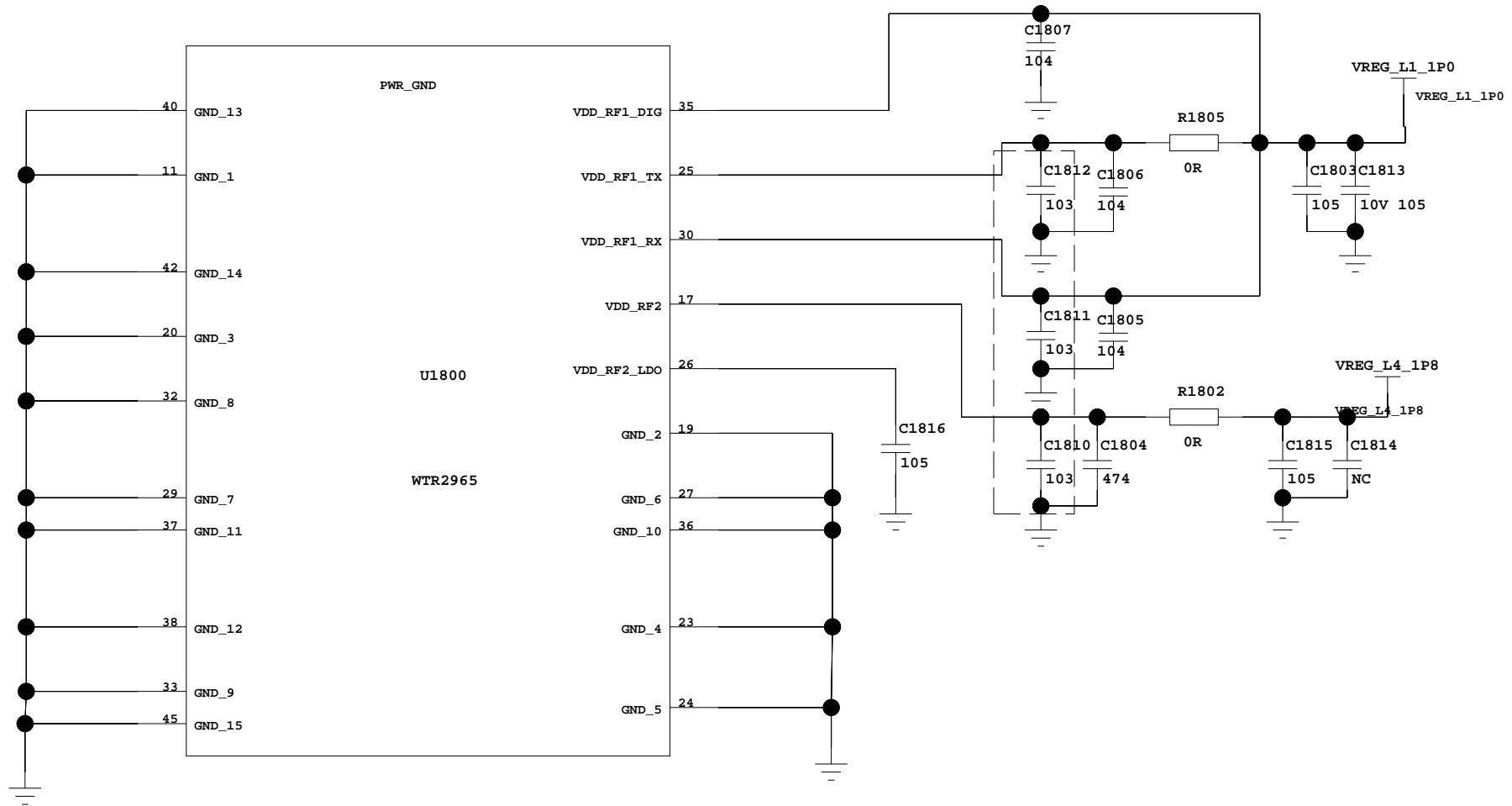
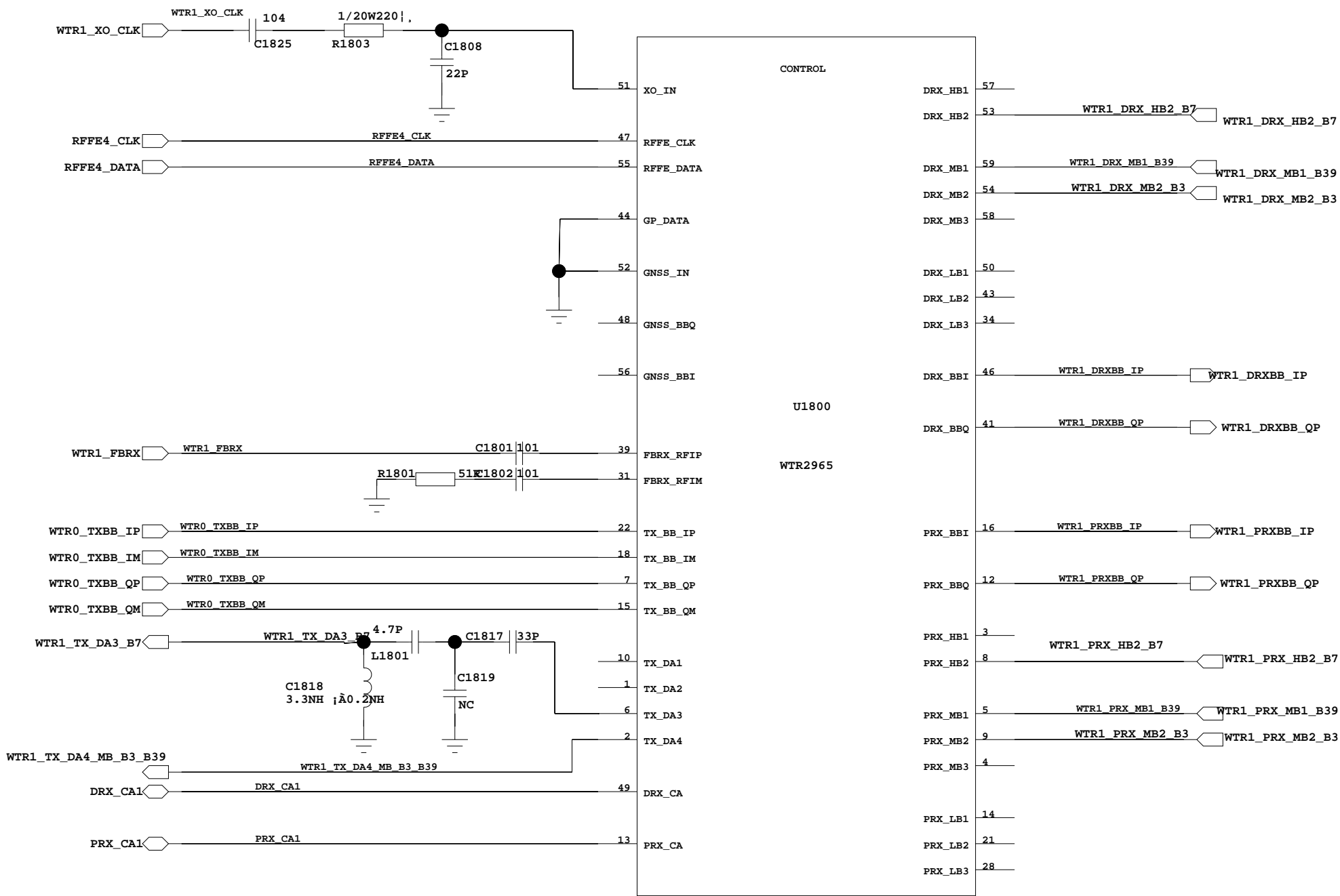
B

C

D

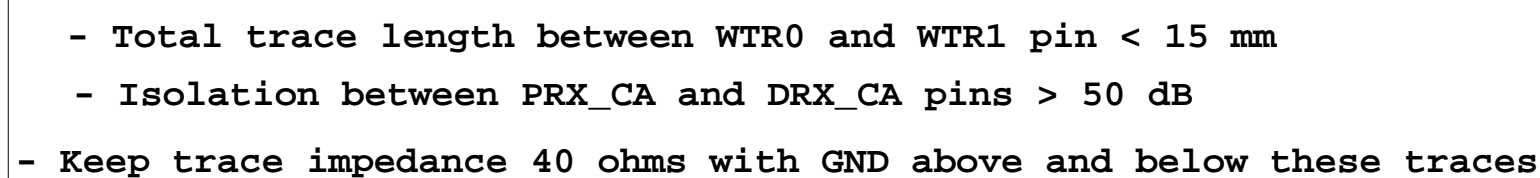
E

F



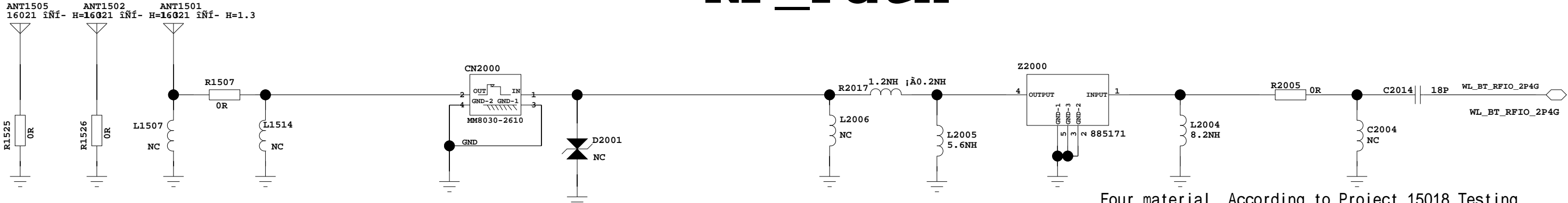
Design requirements for PRX_CA interconnections and DRX_CA interconnections: $B3+B7 \text{ CA}, B3 \pm \varnothing \text{D} \ddot{\text{e}} \times \beta \text{MB} 2 \text{f} \neg B7 \pm \varnothing \text{D} \ddot{\text{e}} \times \beta \text{HB} 2$

- Total trace length between WTR0 and WTR1 pin < 15 mm
- Isolation between PRX_CA and DRX_CA pins > 50 dB
- Keep trace impedance 40 ohms with GND above and below these traces



WIFI+BT

RF_Path

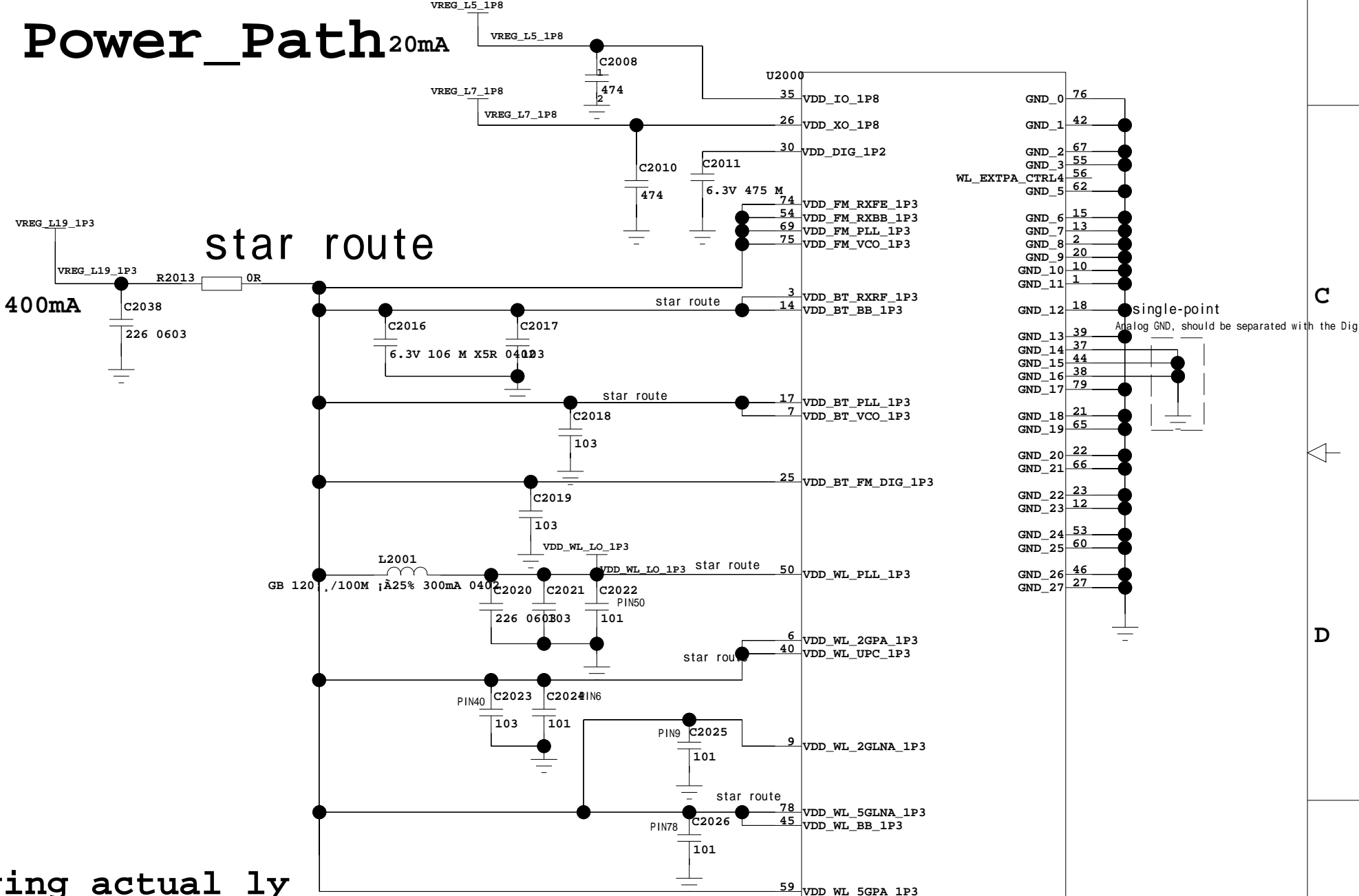


Four material, According to Project 15018 Testing
8040273 8040274 8030125 8040088

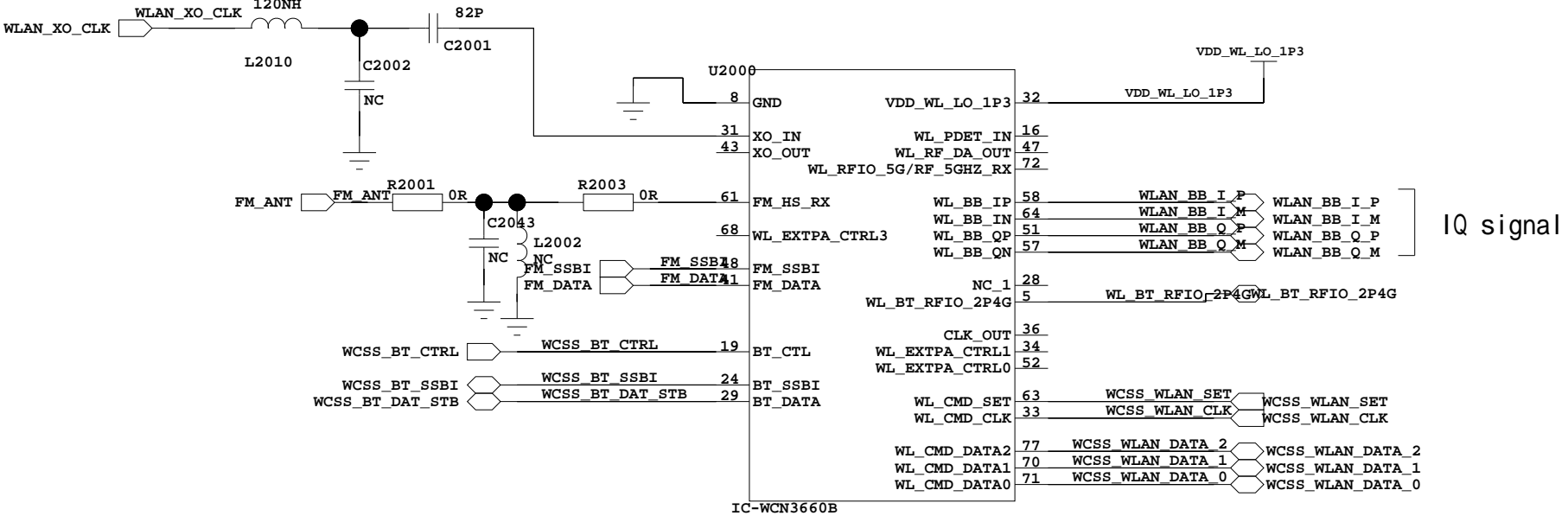
FEM

WCN3660B, and WCN3680B are P2P, and IC ident:

Power_Path



WIFI_HOST_PORT/TCXO



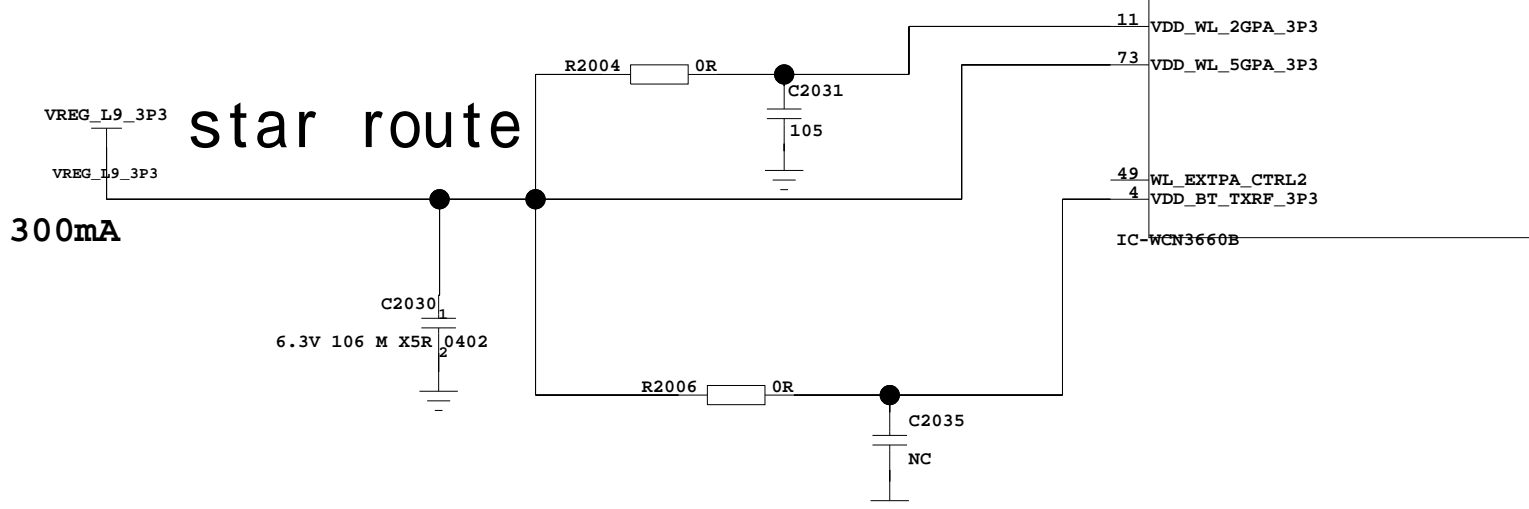
Two filter capacitors placed on the sides of 48 MHz crystal need debugging actual ly
C2041 should be bigger than C2040 to make sure TCXO ramp up time is short.

Power_Path_Width***

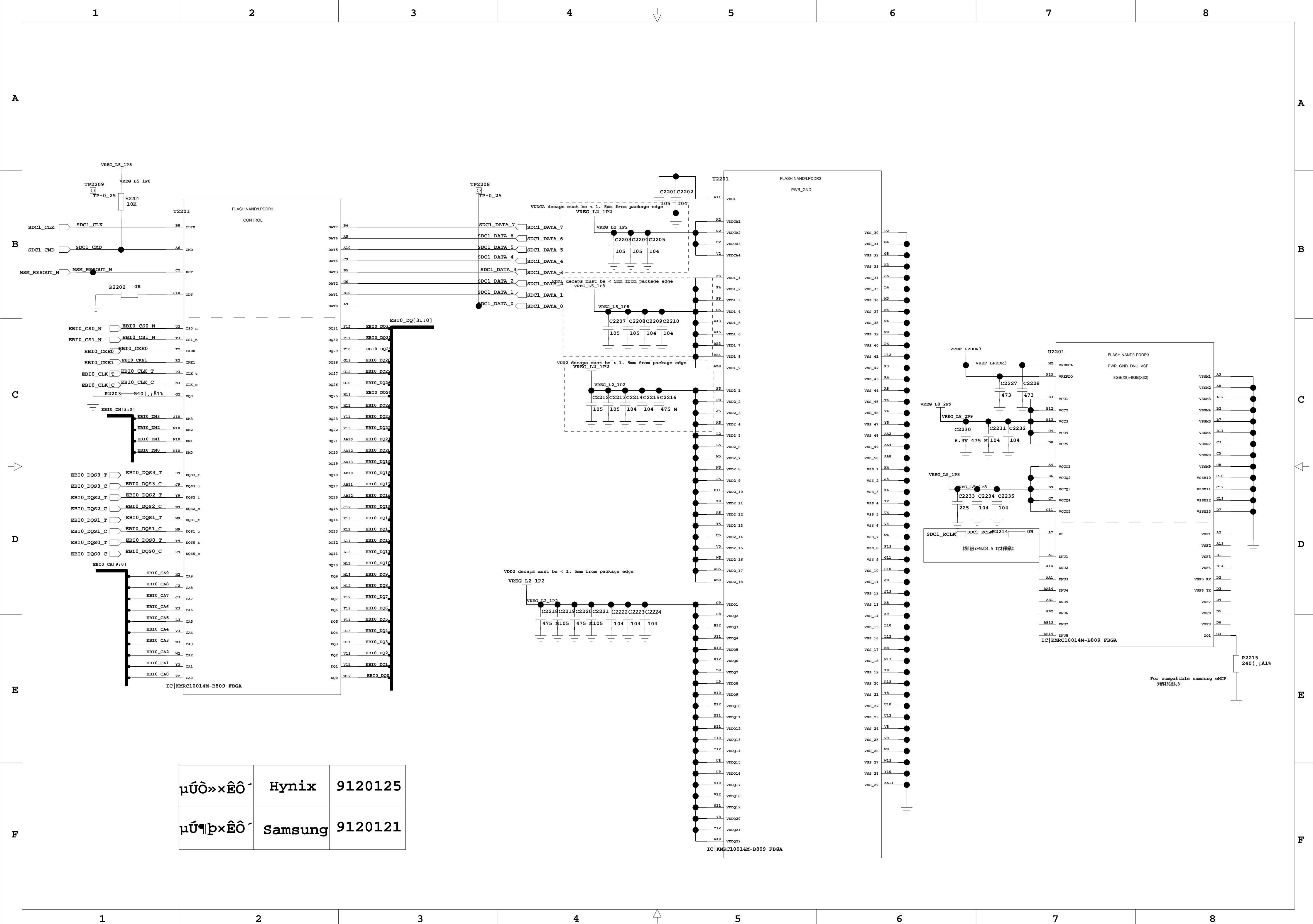
Power Trace name	Trace width
VREG_L19_2P9 (3.3 V)	0.3 mm
VREG_L11_1P25 (1.3 V)	0.4 mm
VBATT to 5G PA	0.3 mm
VDD_WL_2GPA_2P9	0.25 mm
VDD_WL_5GPA_1P3	0.2 mm
VDD_WL_2GPA_1P3	0.2 mm
VDD_BT_TXRF_2P9	0.15 mm

MSM8939 carry WCN3680B or WCN3660B
FM power rails must remain connected,but
decoupling caps may be removed.
L2001: Qualcomm use BLM03AX241SN1B
240Ohm@100MHz 0.35A DCR<0.38Ohm

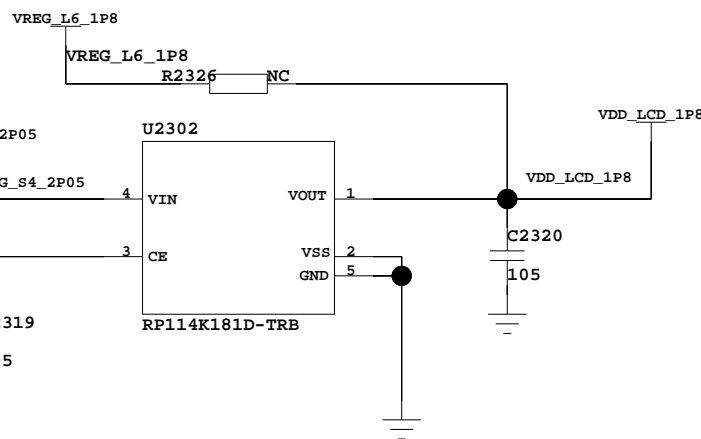
For "B" version devices do not connect pin 49 to the 3.3V rail
Refer: 80-WL005-43 WCN3660-A-B, WCN3680-B REFERENCE SCHEMATIC
All power 0|, should be placed close to the Star nodes



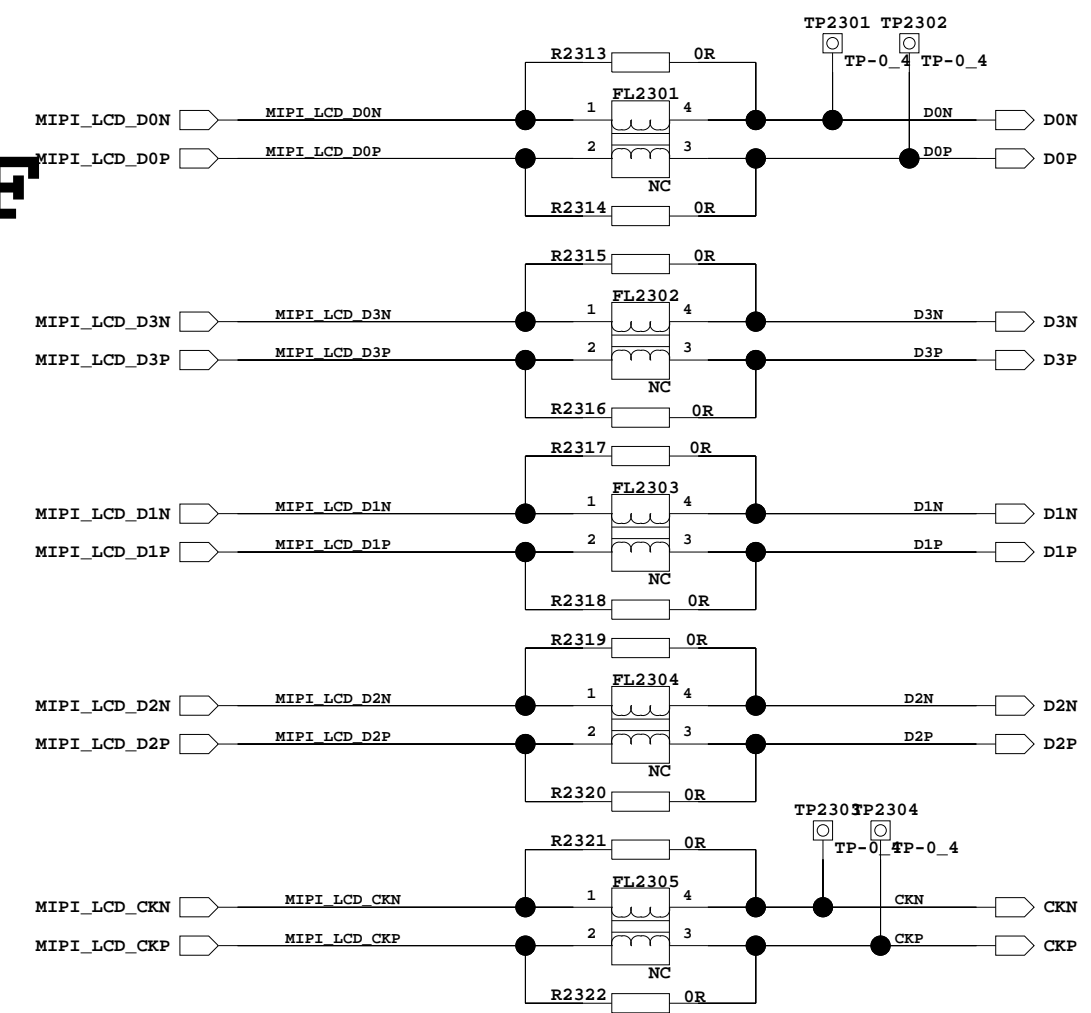
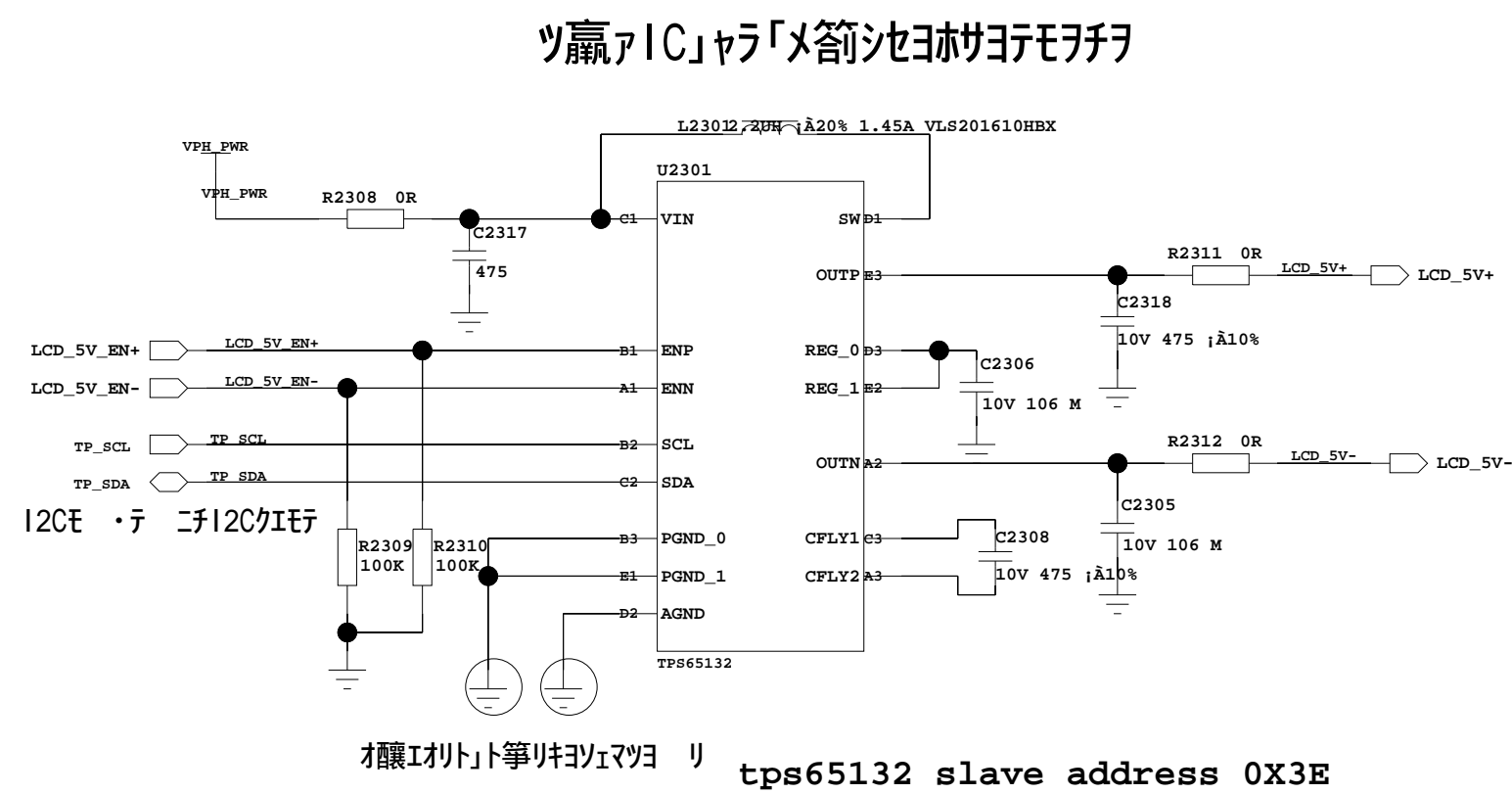
1	2	3	4	5	6	7	8
A							
B							
C							
D							
E							
F							



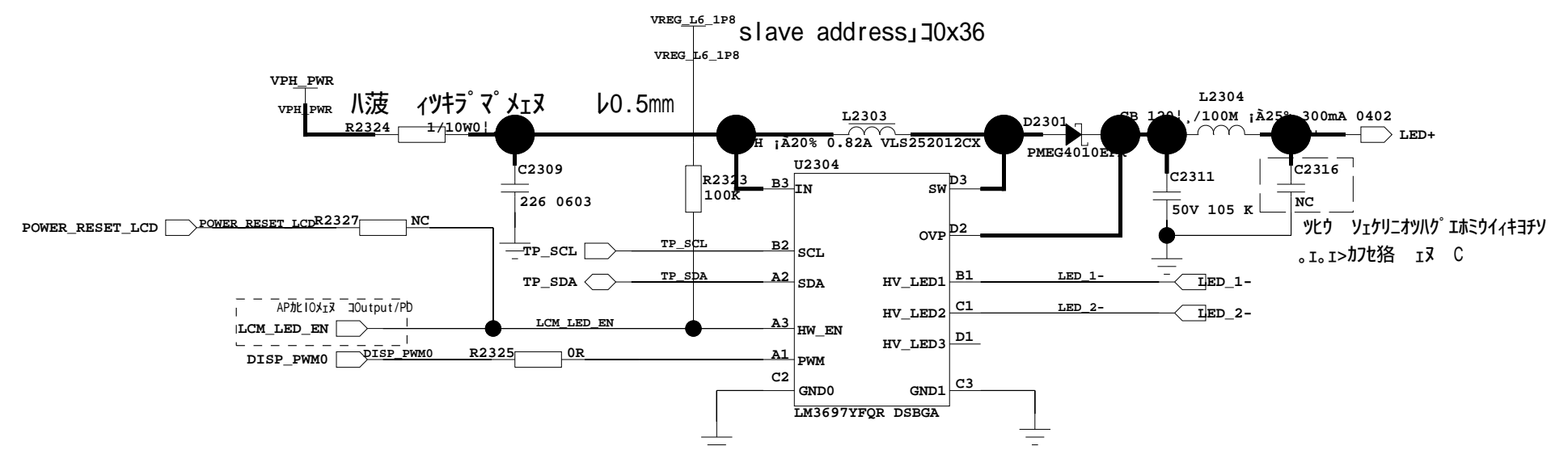
F



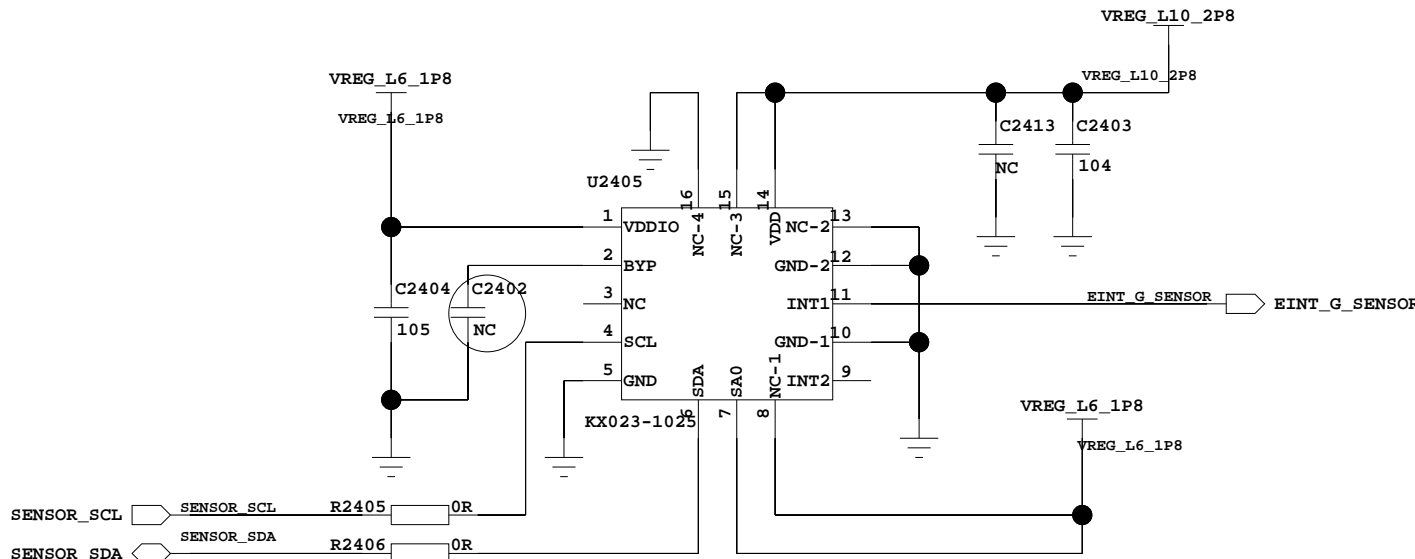
F

**F**

F

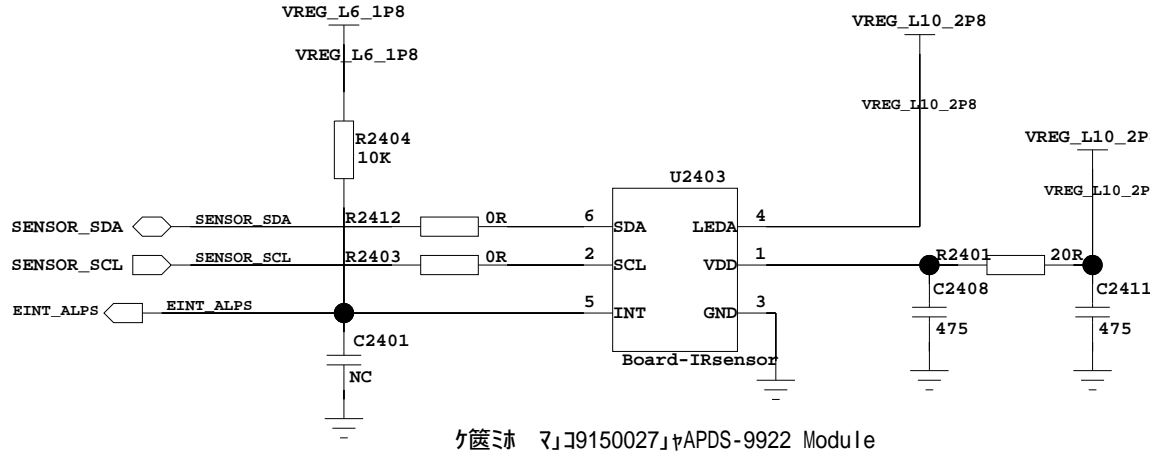


G-Sensor



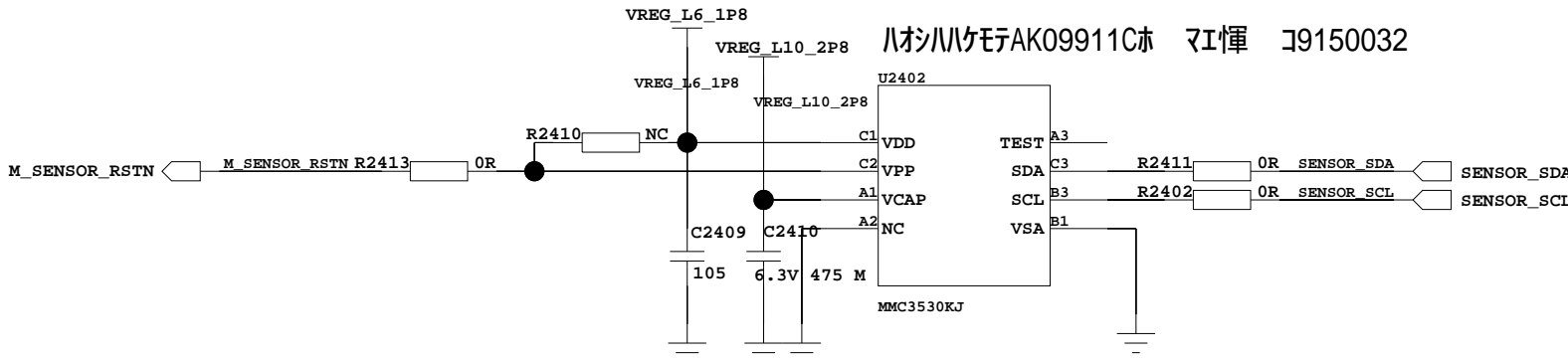
KX023 slave Address is 0x11

A.L.S.+P.S sensor



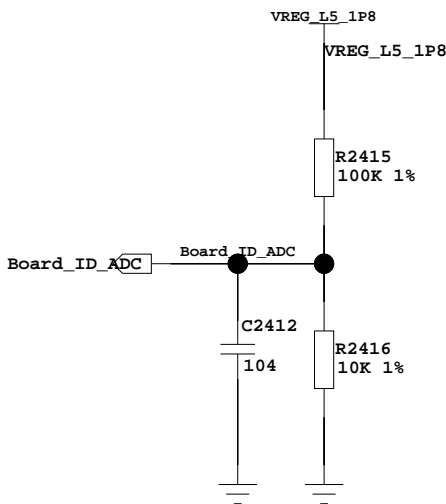
APDS9922 slave Address is 0x5.

M Sensor



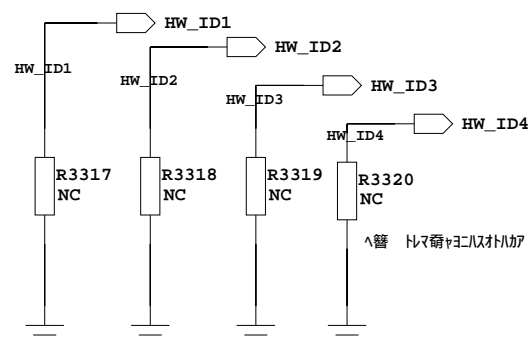
AK09911 slave Address is 0x0C

Board_ID



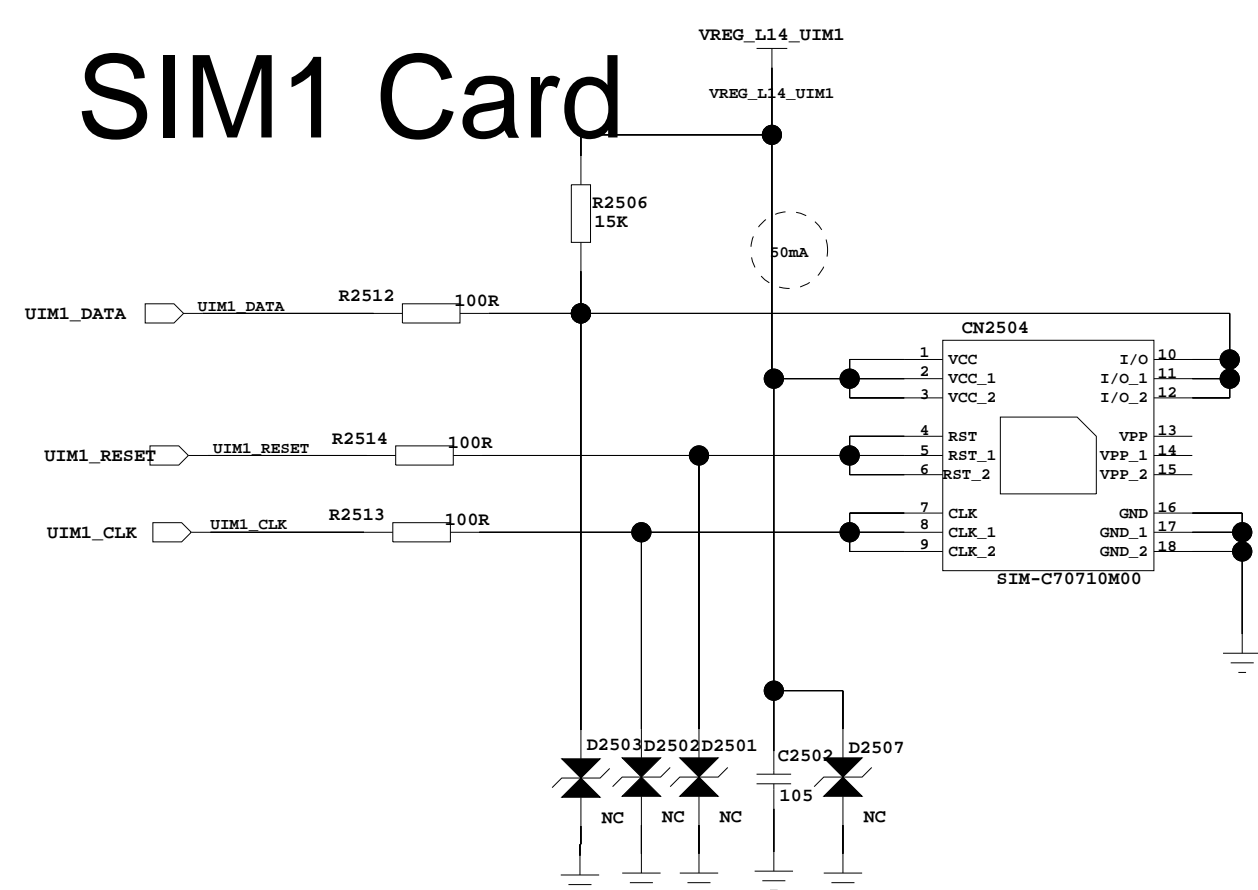
コ 蟻豎	R2416	セリ	min(V)	typ(V)	max(V)	R2416
V1.0	10k	1%	0.1597	0.1636	0.1666	8241105
V1.1	24k	1%	0.3428	0.3484	0.3540	8241104
V1.2	56k	1%	0.6379	0.6462	0.6545	8241214
V1.3						
V1.4						
V1.5						
V1.6						

RF_ID

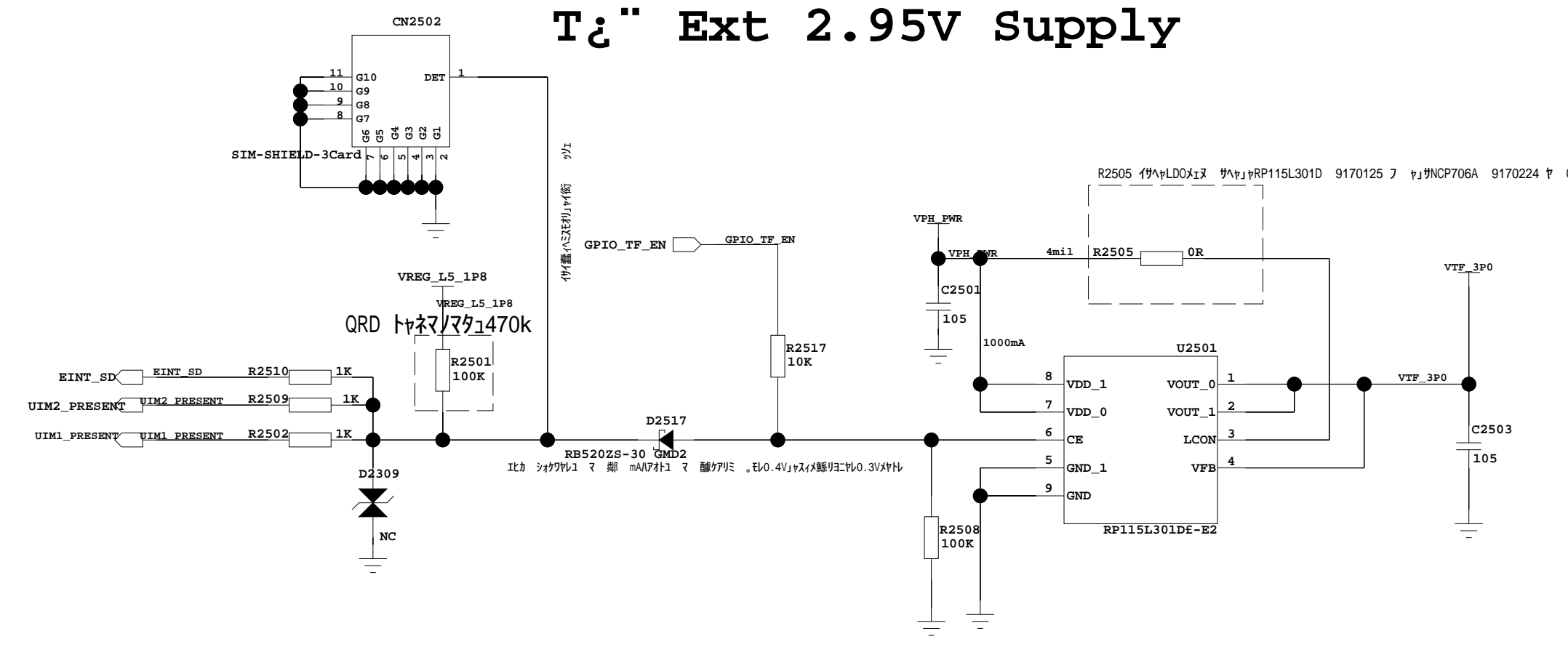


$\frac{\text{ID}}{\text{ID} \times \text{ID}}$	ID1	ID2	ID3	ID4
$\frac{\text{ID} \times \text{ID}}{\text{ID} \times \text{ID}}$	1	1	1	1
$\frac{\text{ID} \times \text{ID}}{\text{ID} \times \text{ID}}$	0	1	1	1

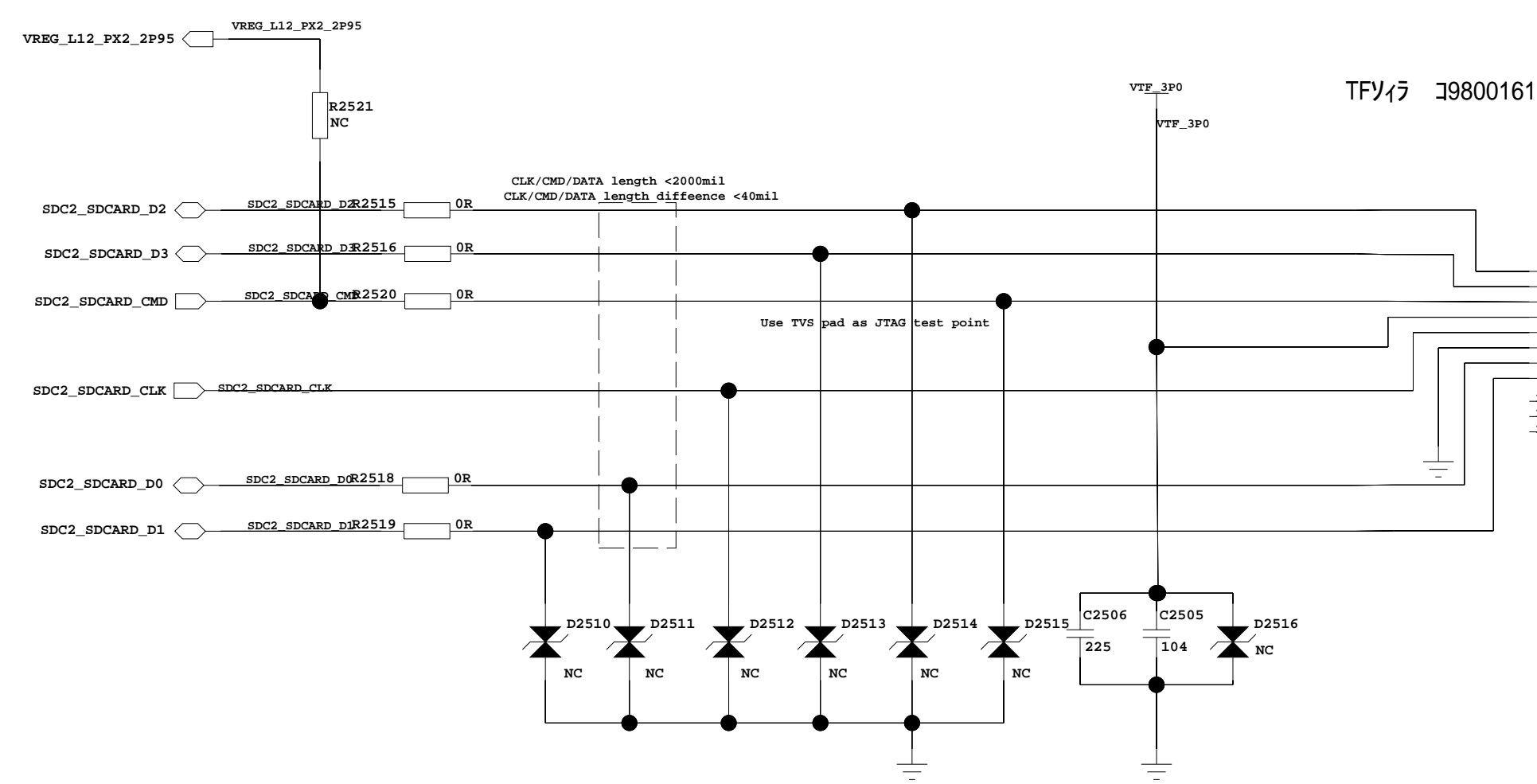
SIM1 Card



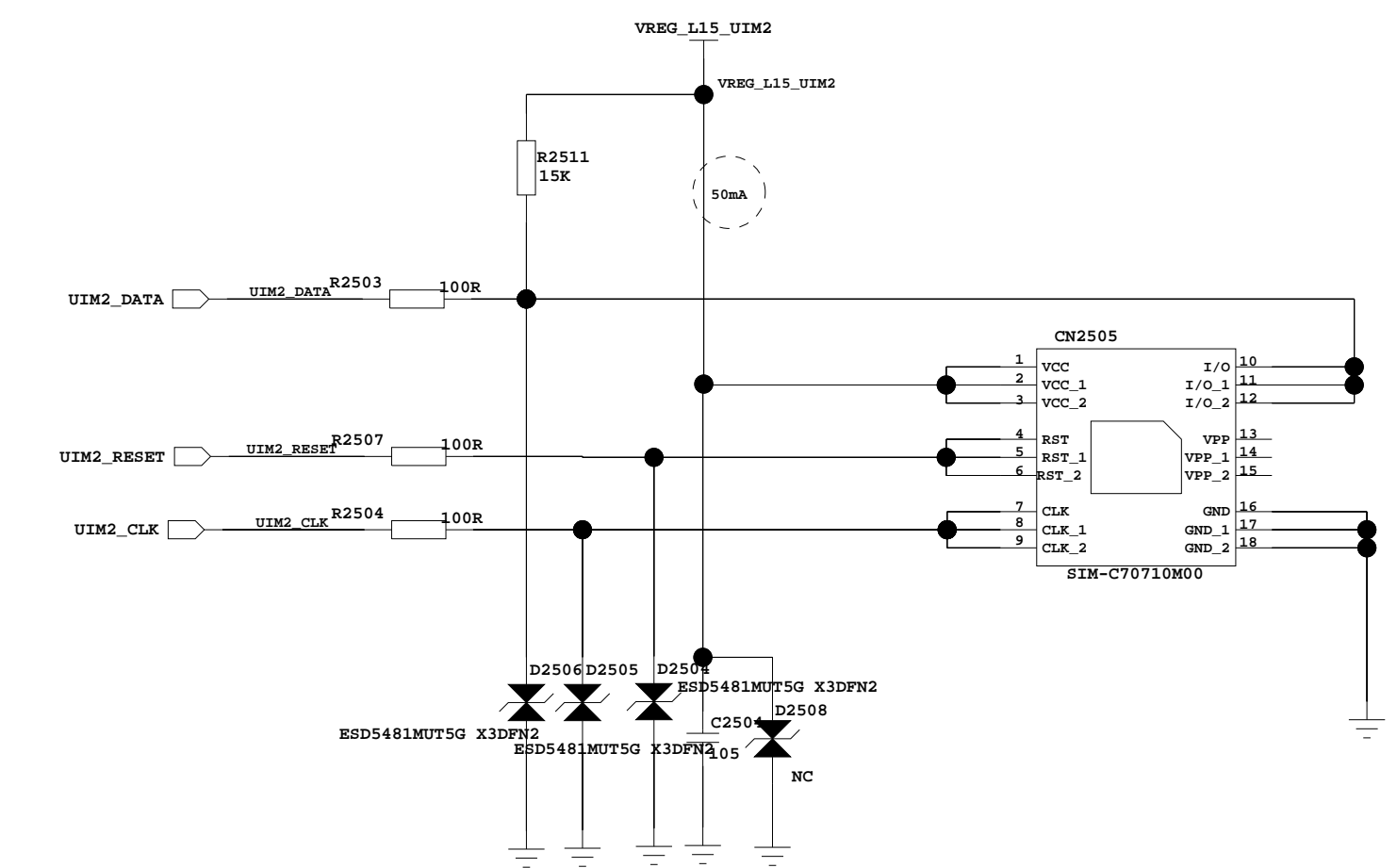
Hot plug T₂" Ext 2.95V Supply



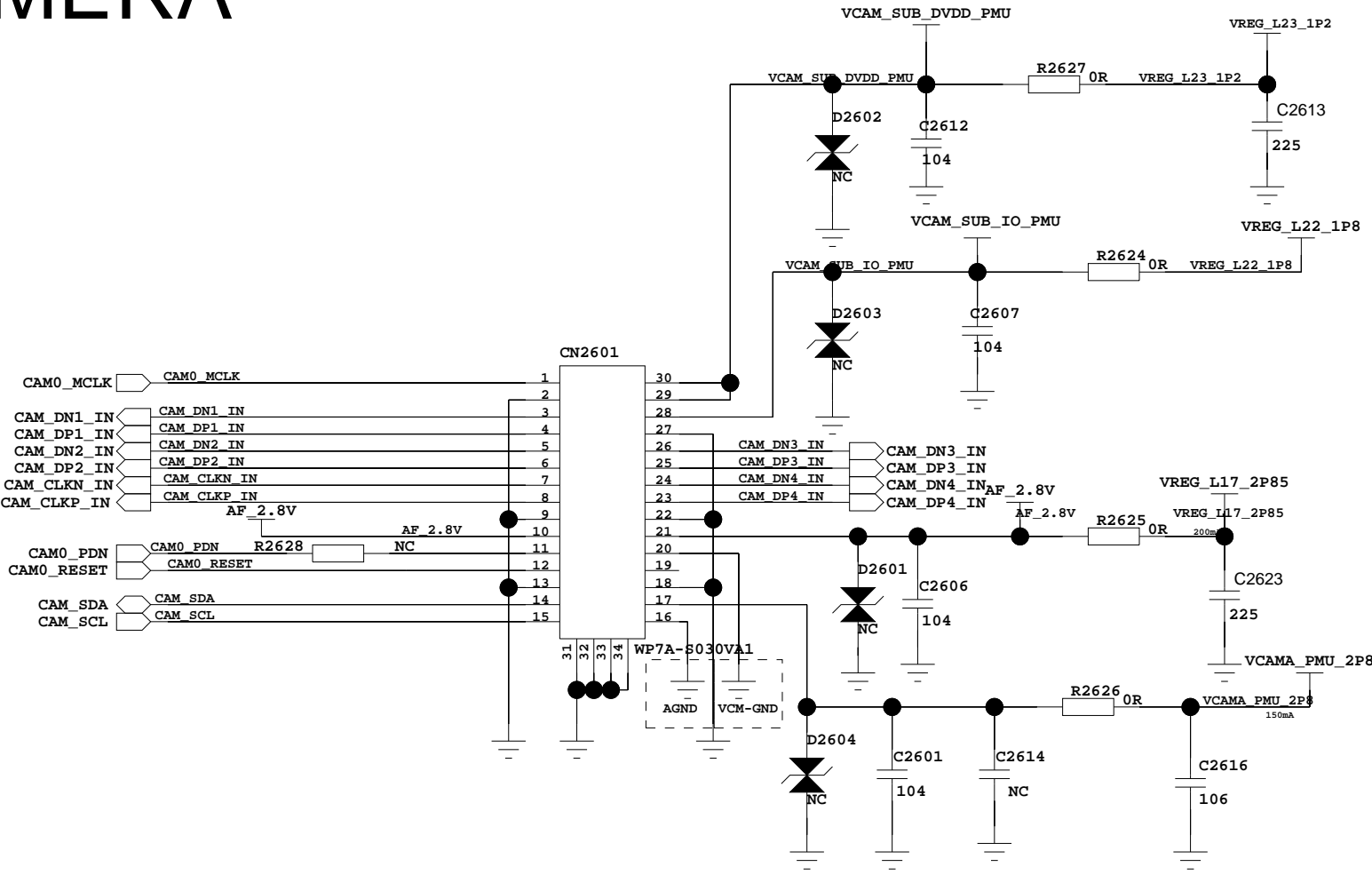
TF_CARD



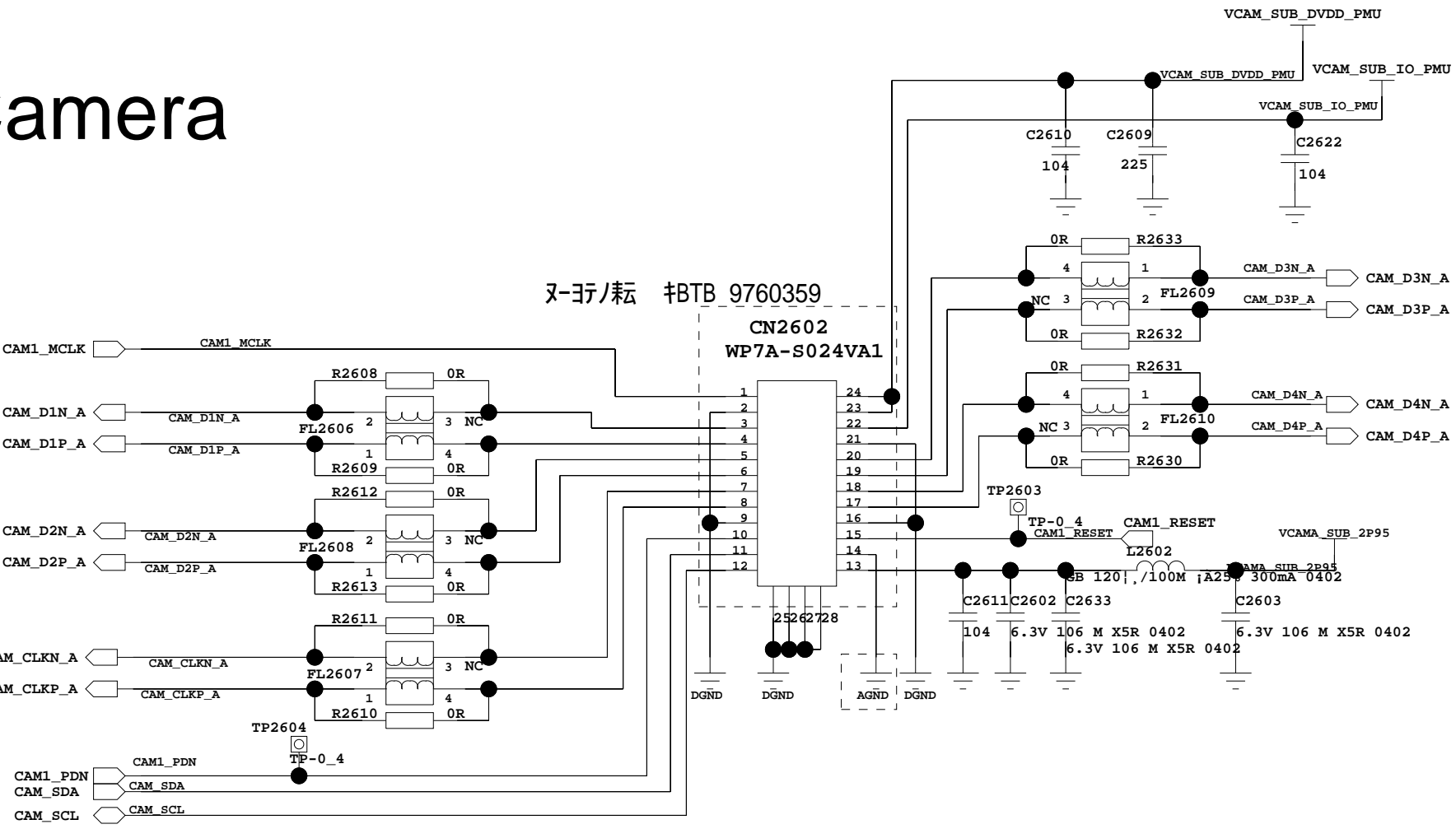
SIM2 Card



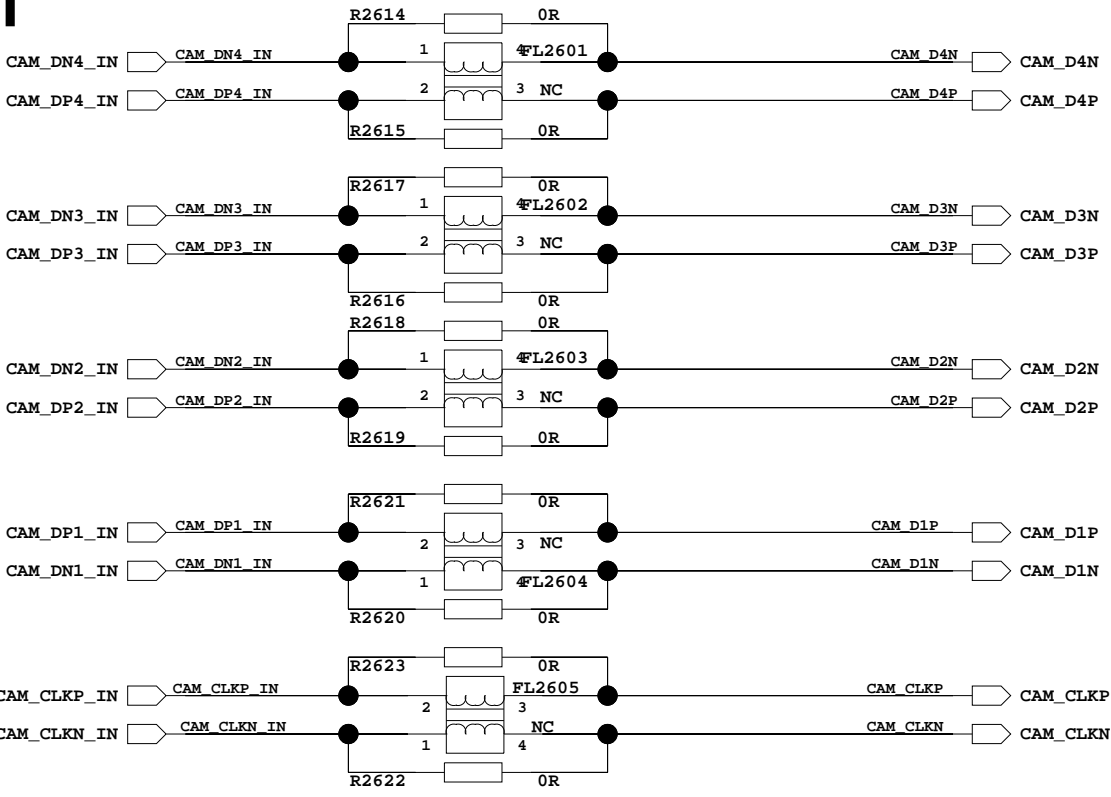
Main CAMERA



SUB_Camera

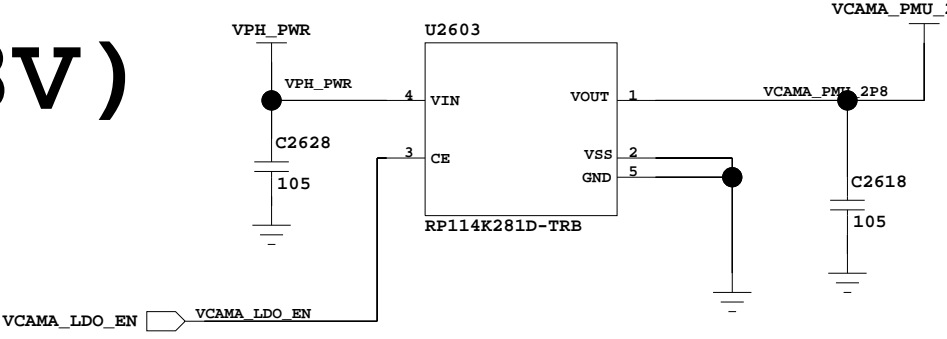


CSI CMF

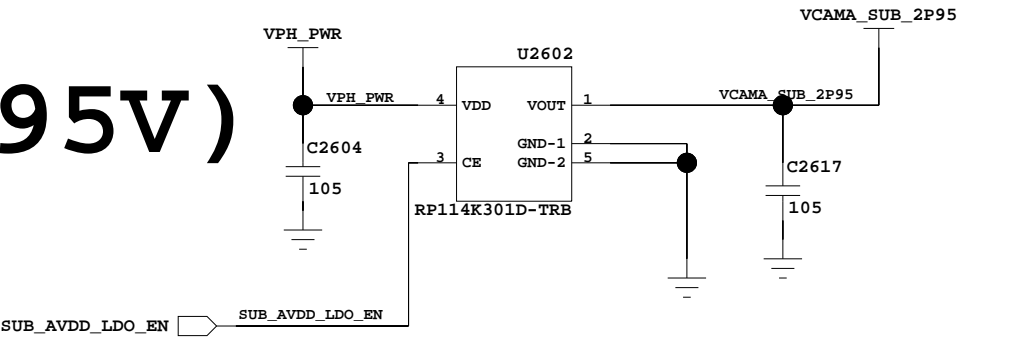


ケイトツビイニ VTヤ、チ ャム鯨、OKコ ・オ

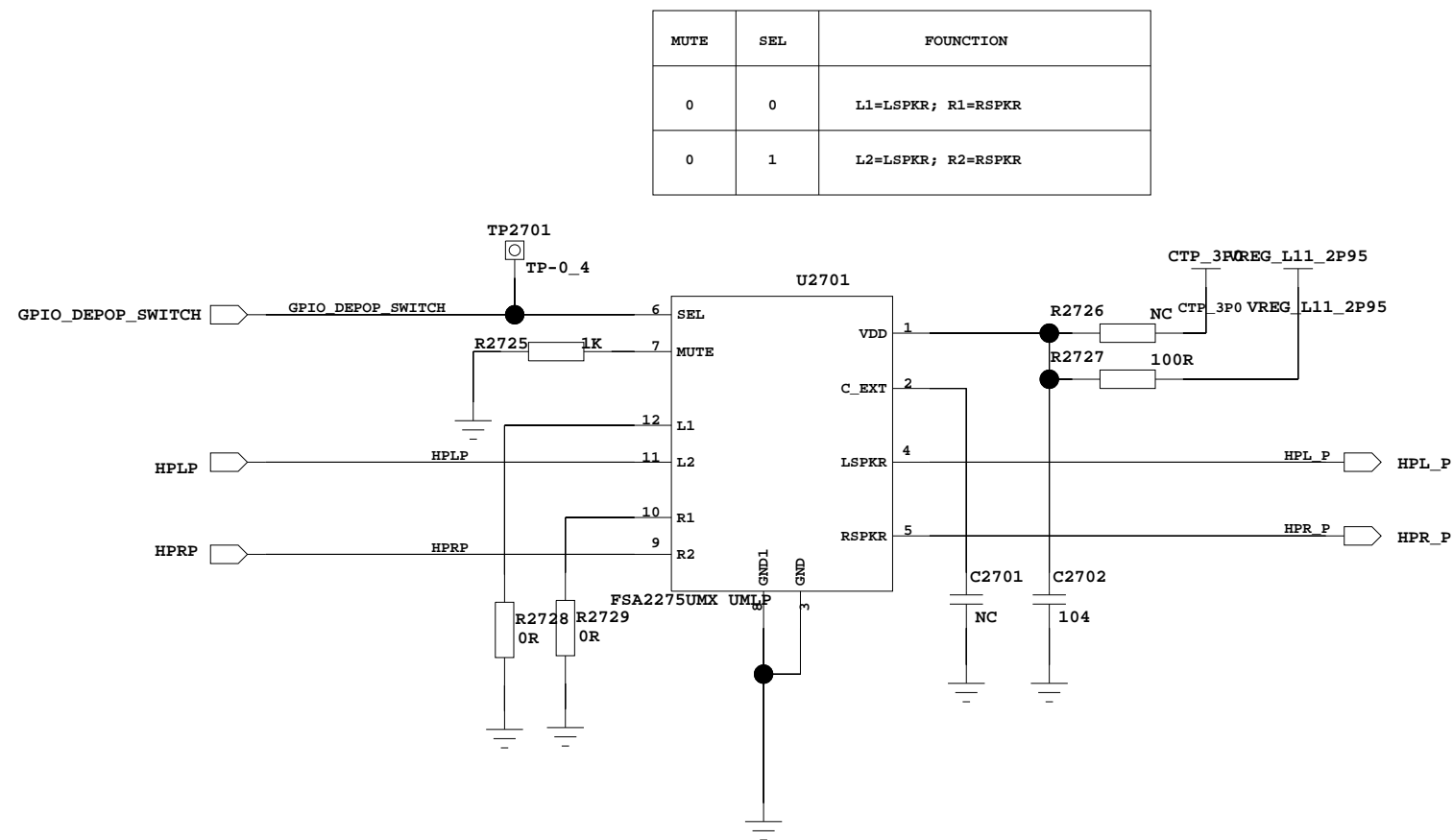
MAIN Camera AVDD(2.8V)



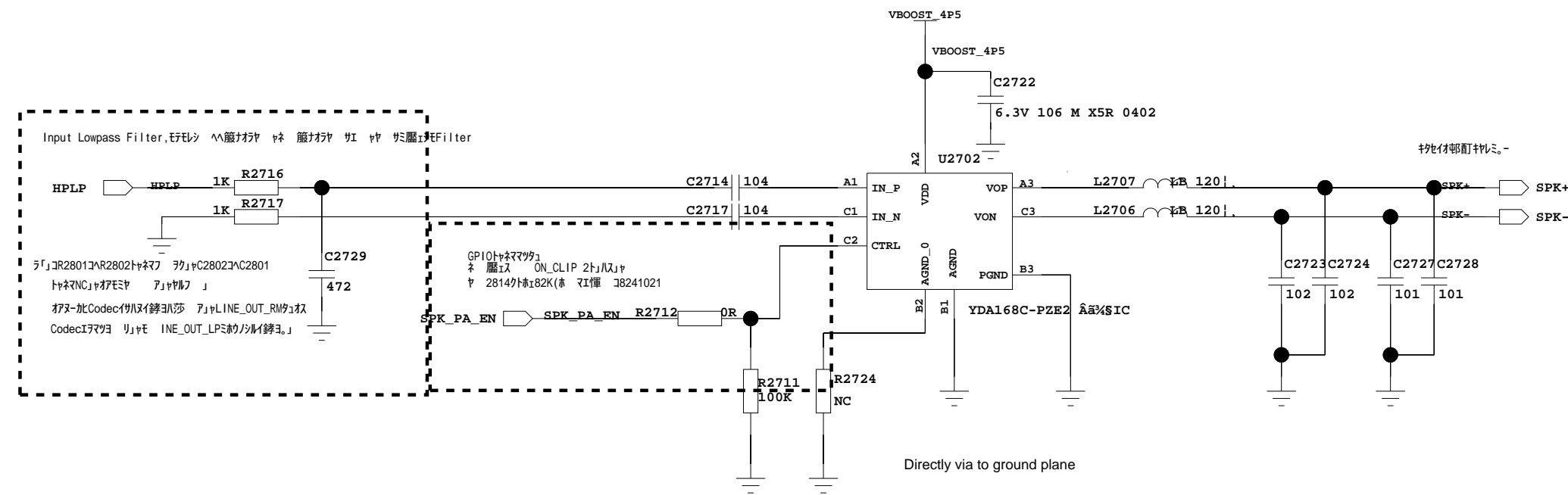
SUB Camera AVDD(2.95V)



HP Switch

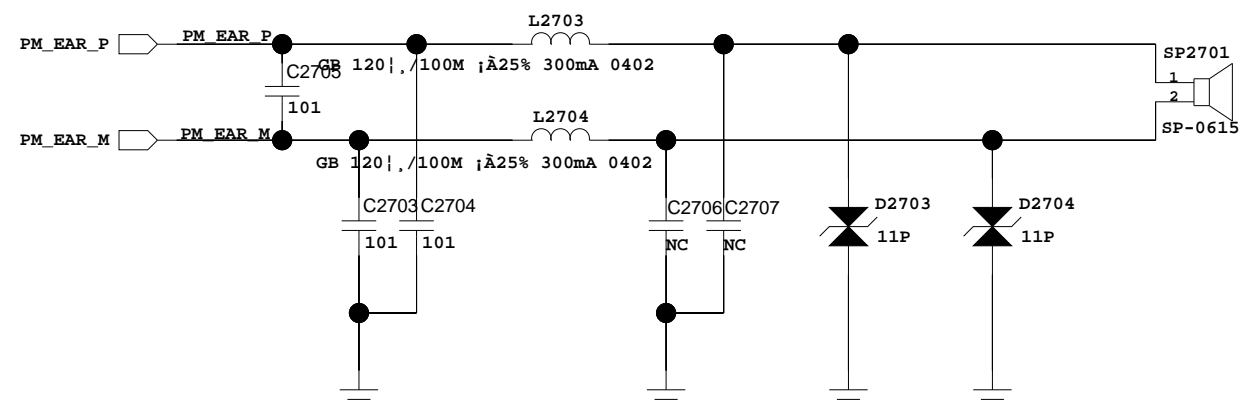


Speaker PA

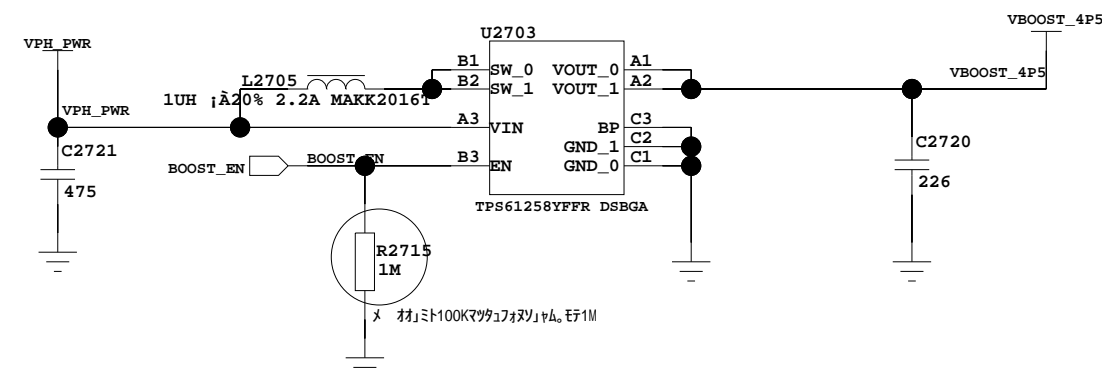


HP MIC BIAS

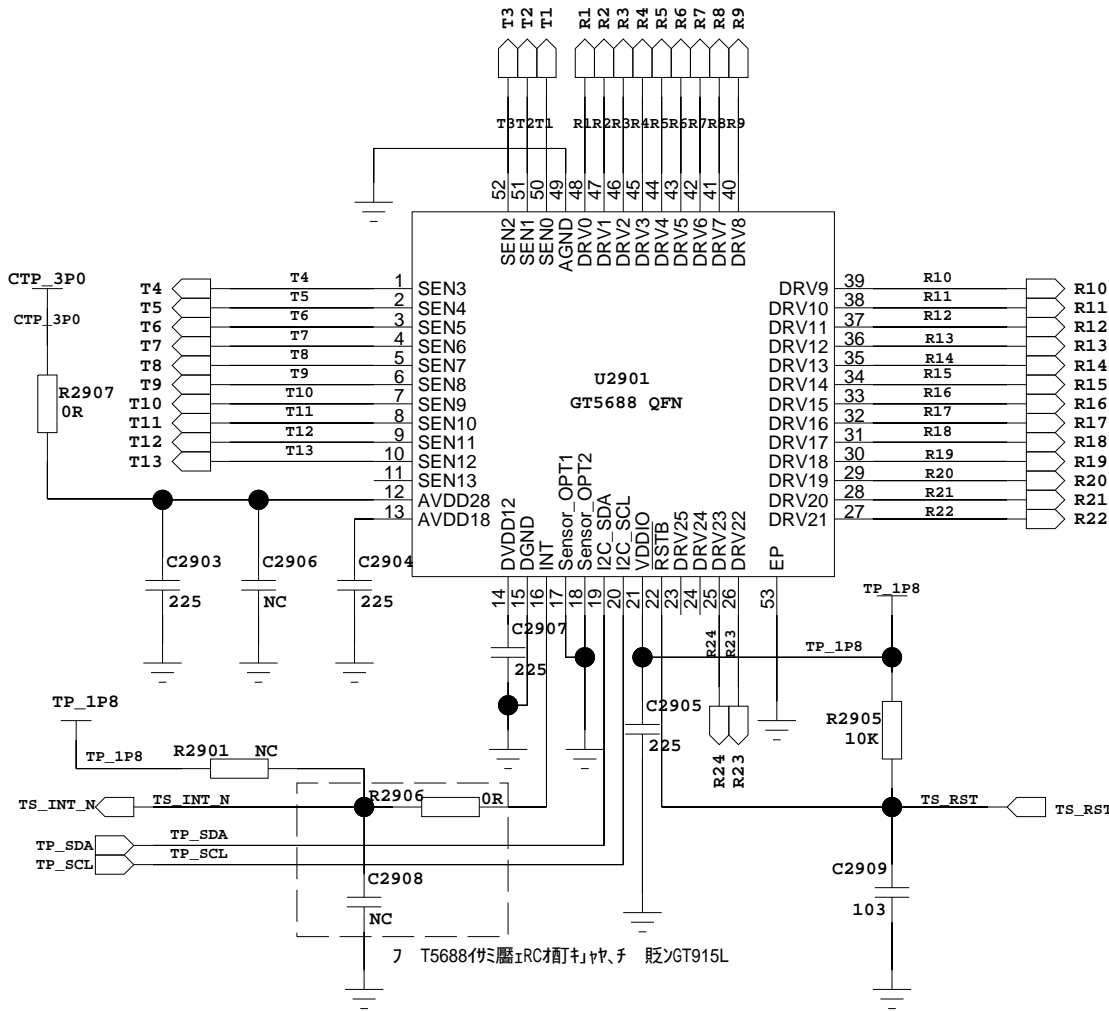
Receiver



YDA168C BOOST

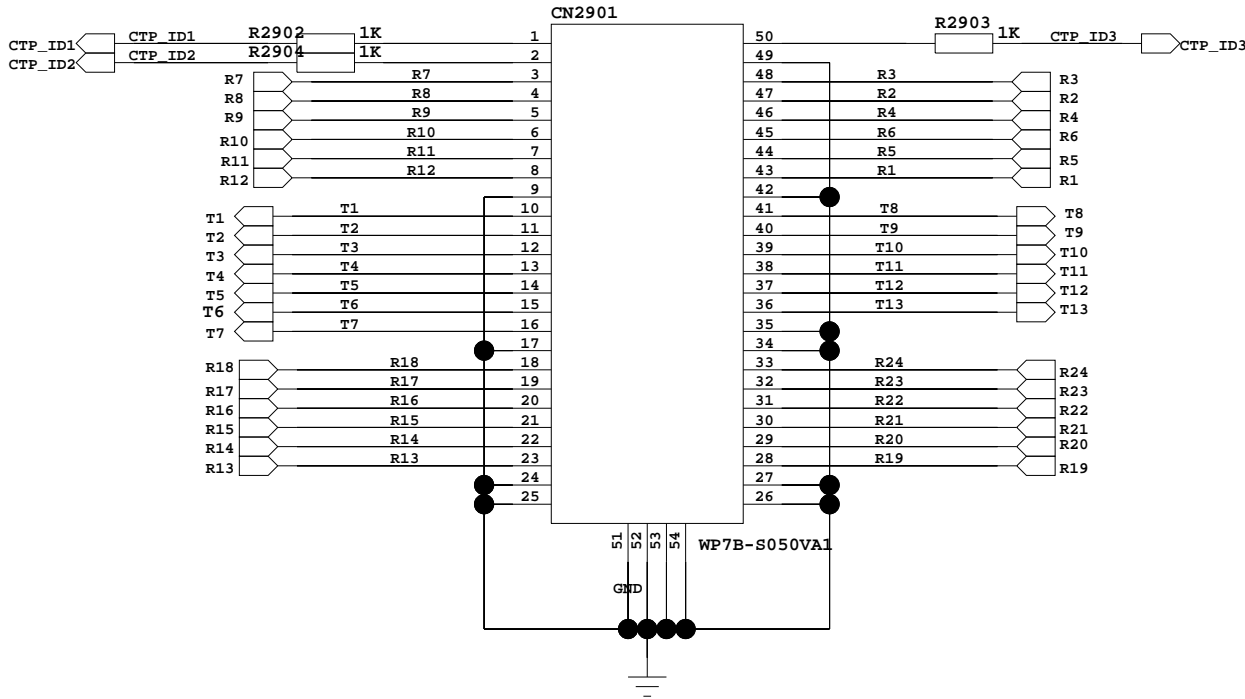
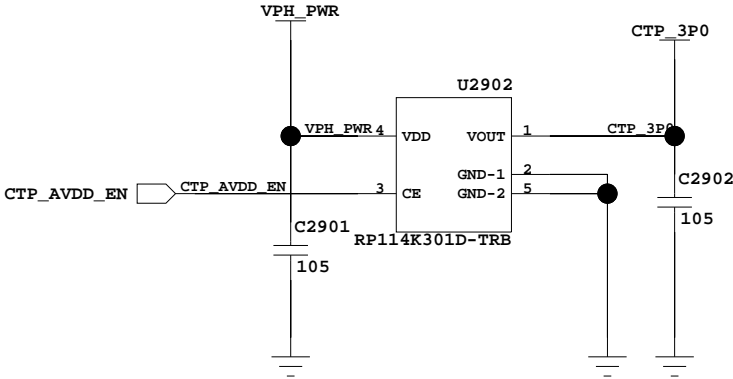


COB TP>5688



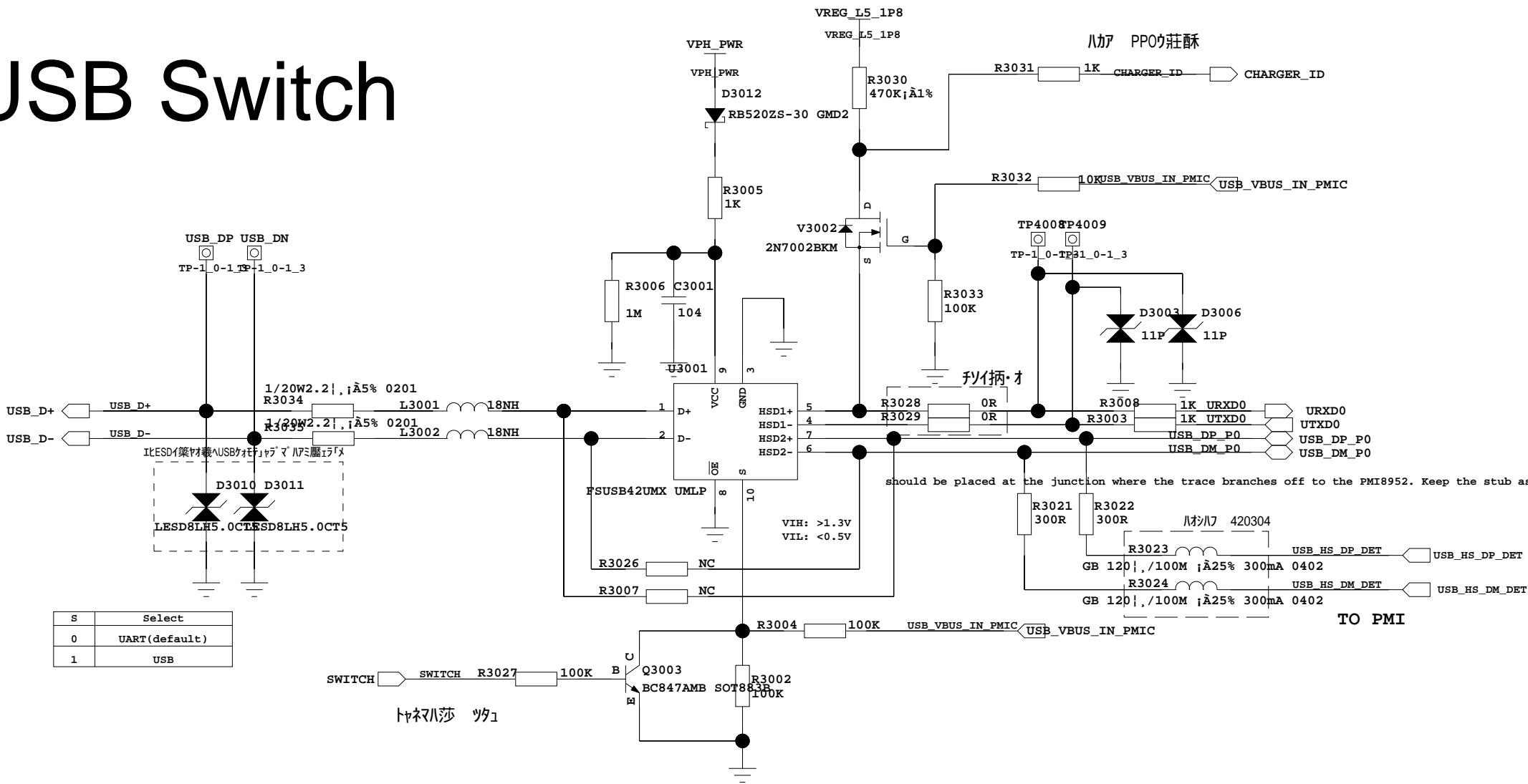
slave address_J0x14

CTP LDO

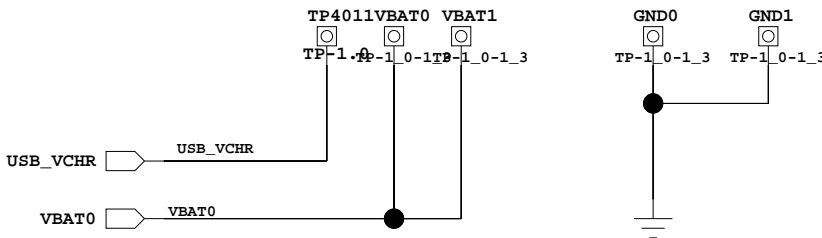


TXÖëTXÖ®¼ä ; ¢RXÖëRXÖ®¼ä ; ÊÊÎôâµ÷÷Ôû ·½±ã×ßİß

USB Switch



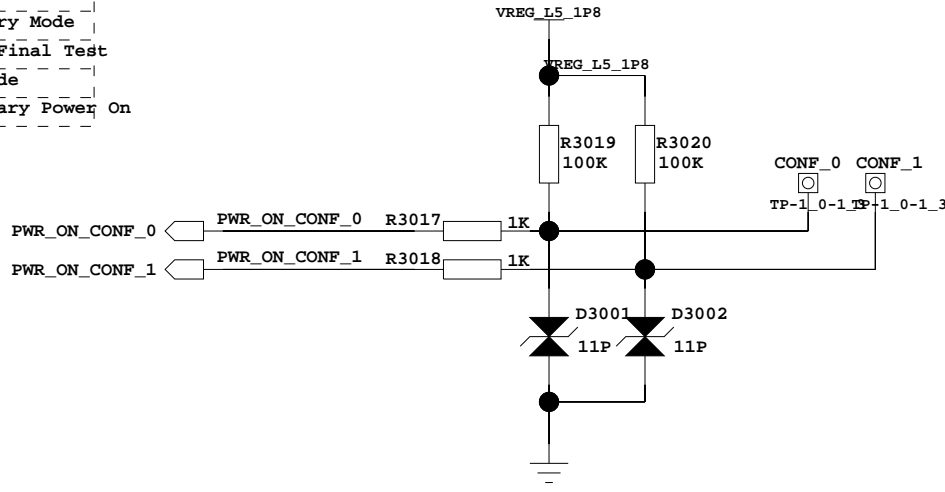
TEST POINT



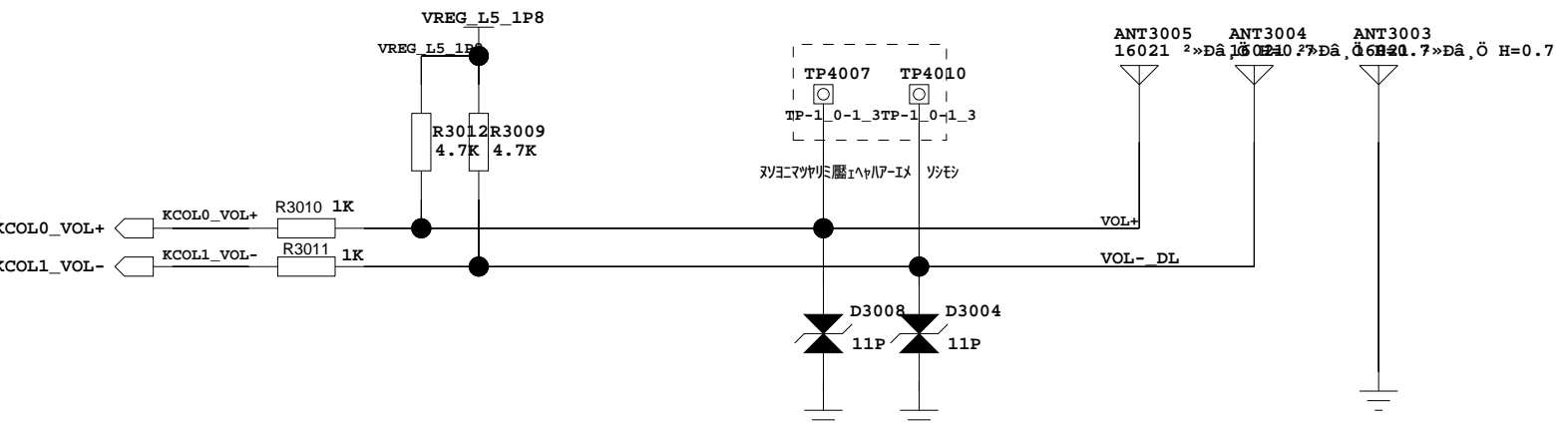
Test Confige

BOOT MODE

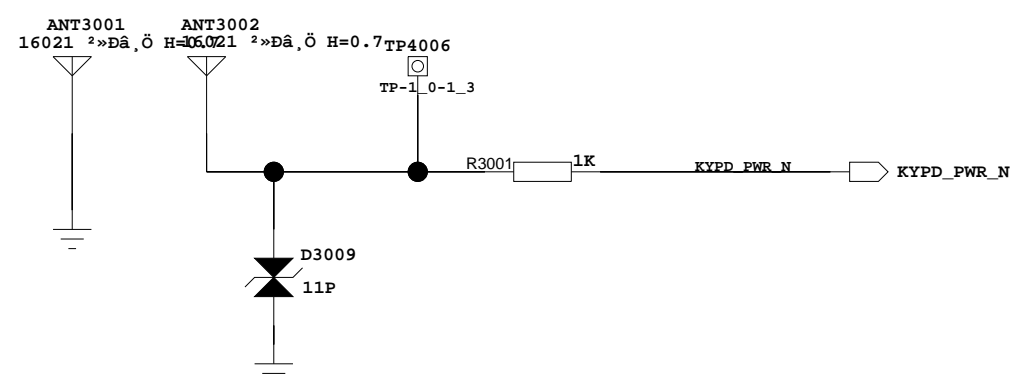
CONF_0	CONF_1	Mode
0	0	Factory Mode
0	1	WLAN Final Test
1	0	RF mode
1	1	Ordinary Power On



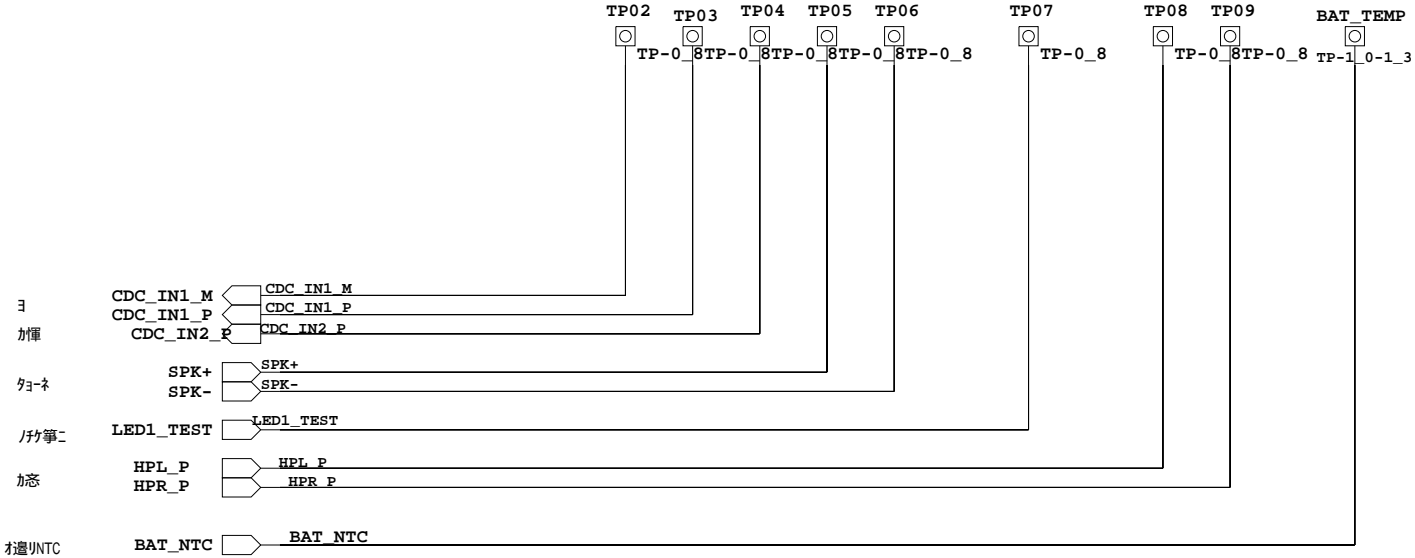
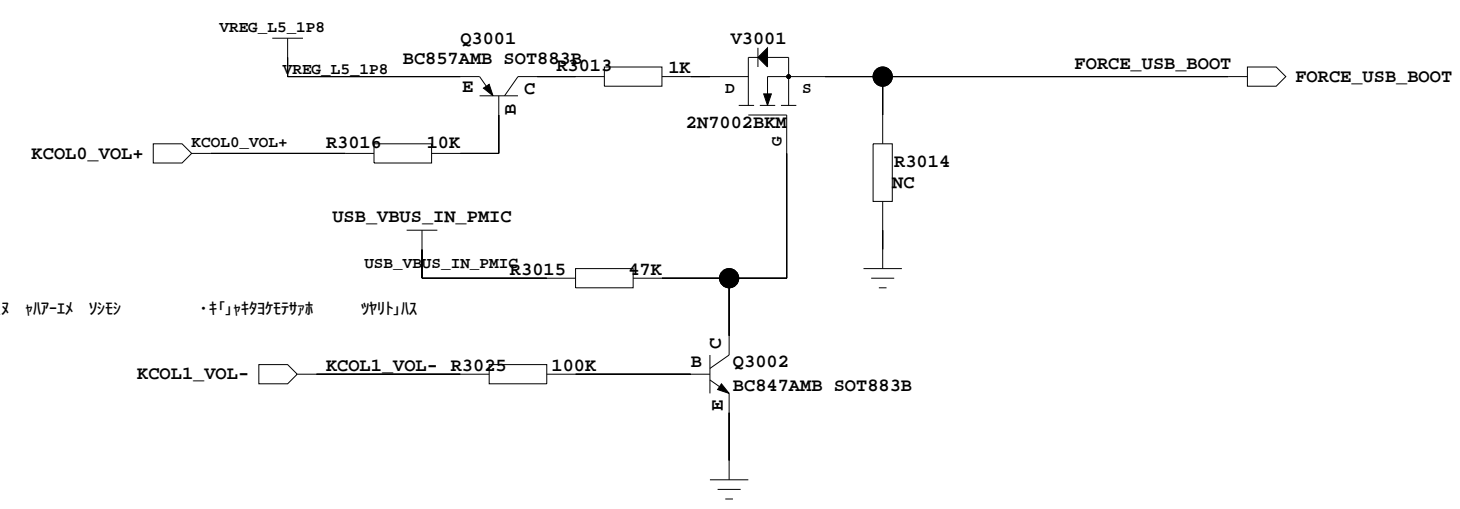
KEY PAD



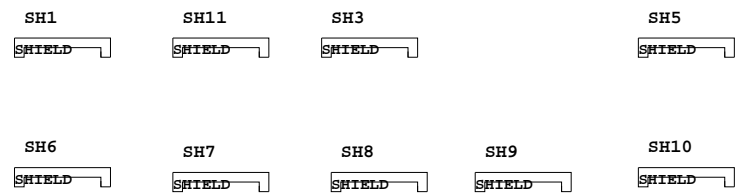
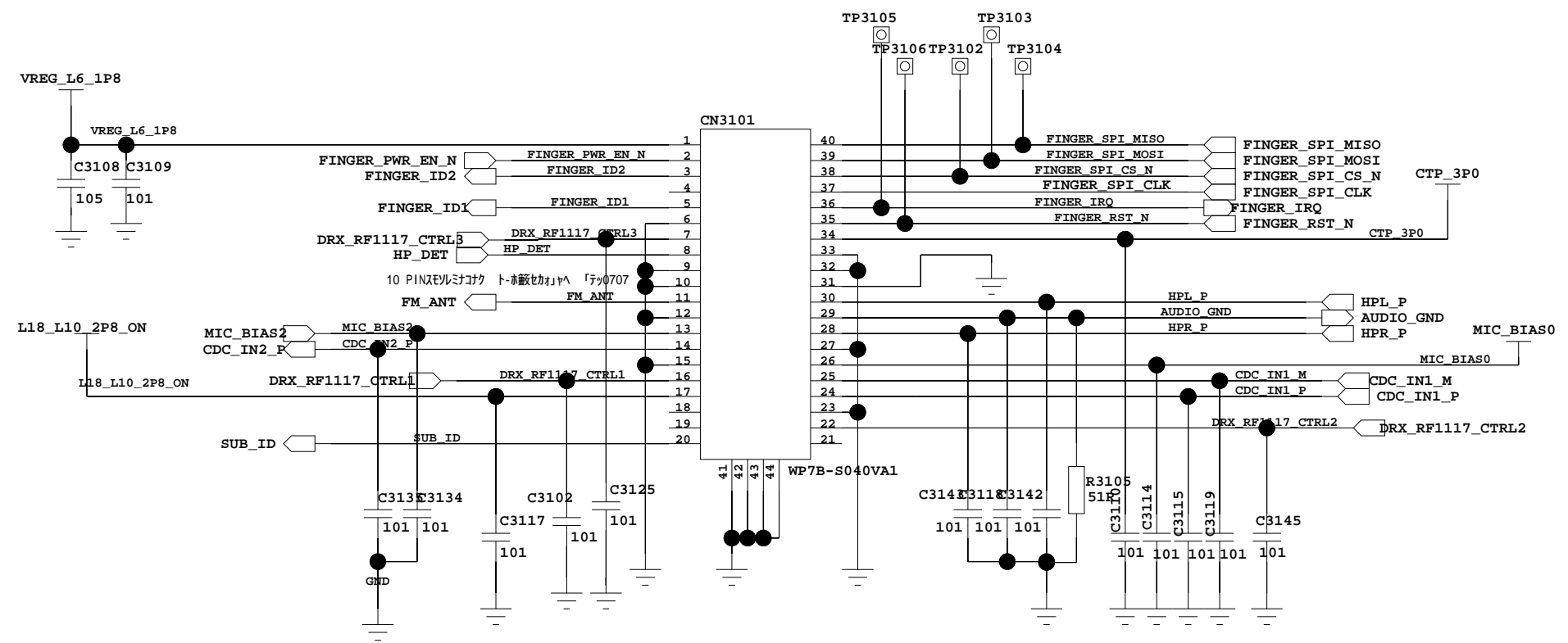
POWERKEY



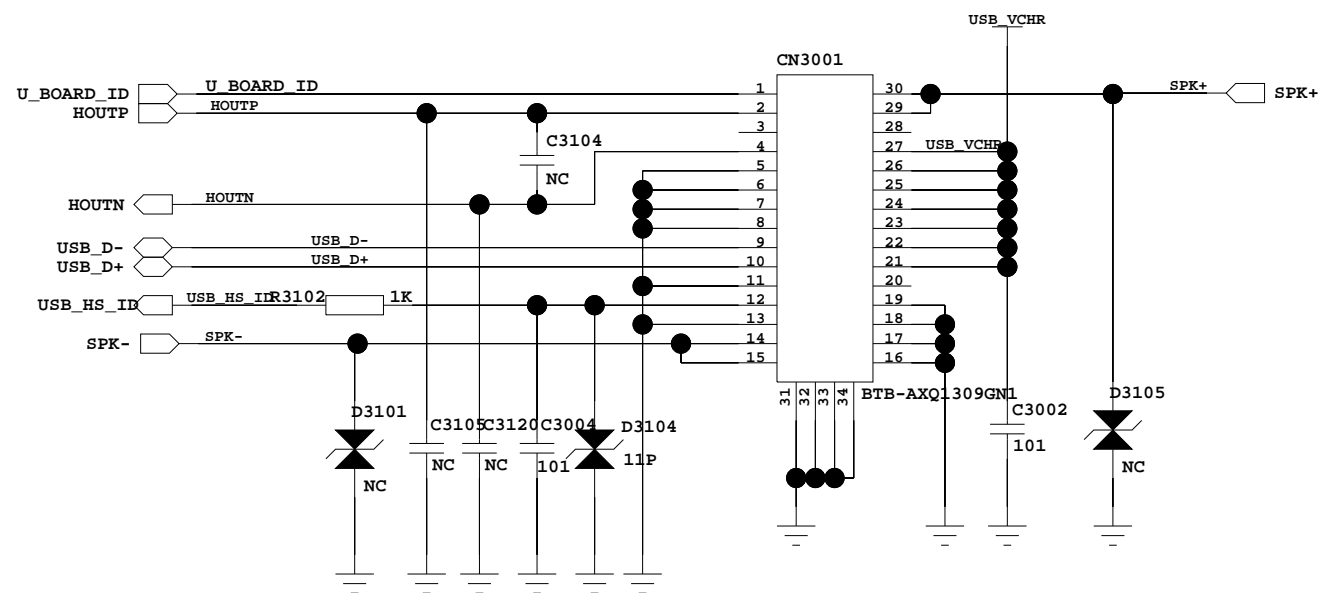
μP 1 | ÄÜ² âÊÔ² âÊÔμã



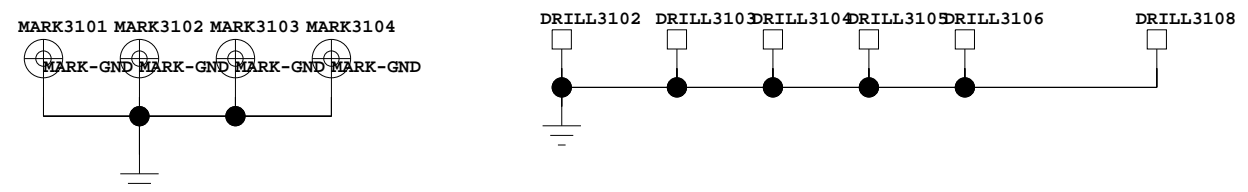
FPC CONNECT BTB



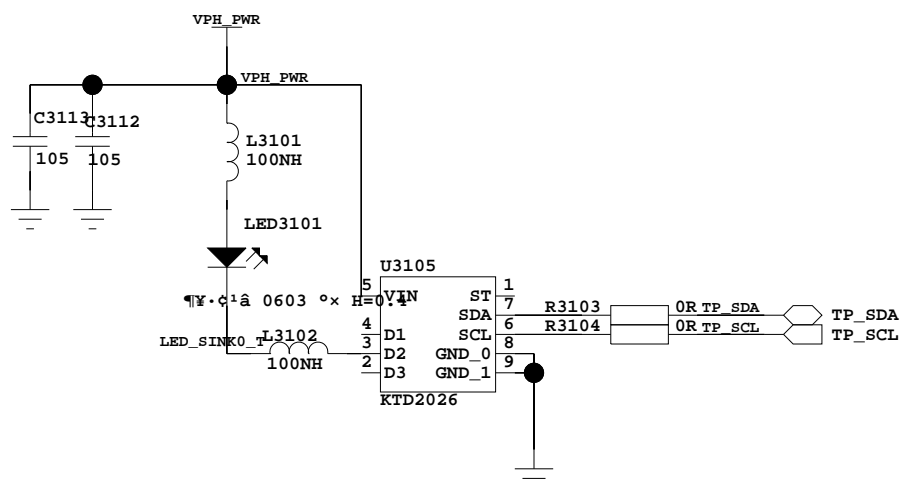
USB_BT



MARK POINT



RGB LED DRIVER

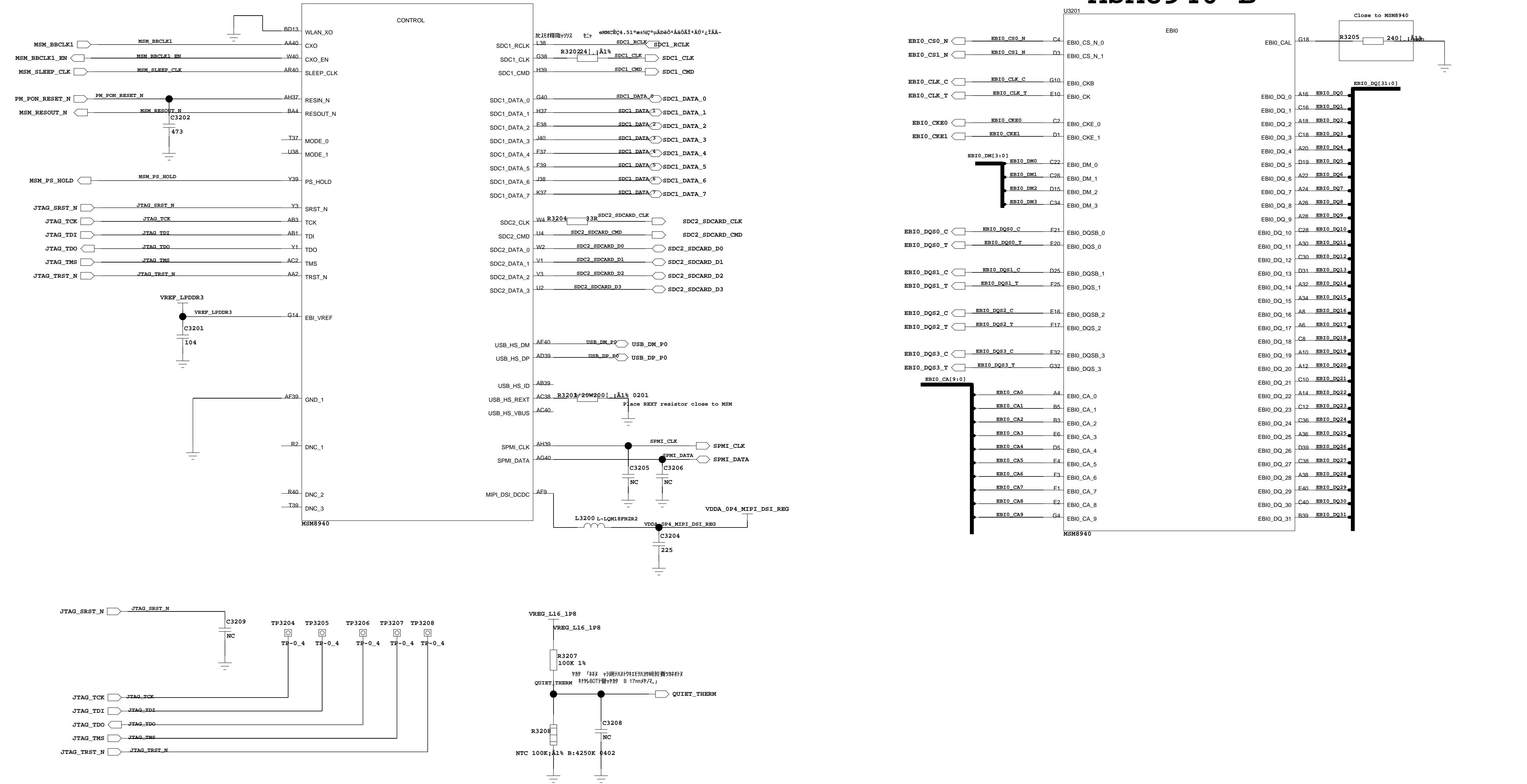


KTD2026 slave address 0X30

MSM8940

MSM8940-A

MSM8940-B

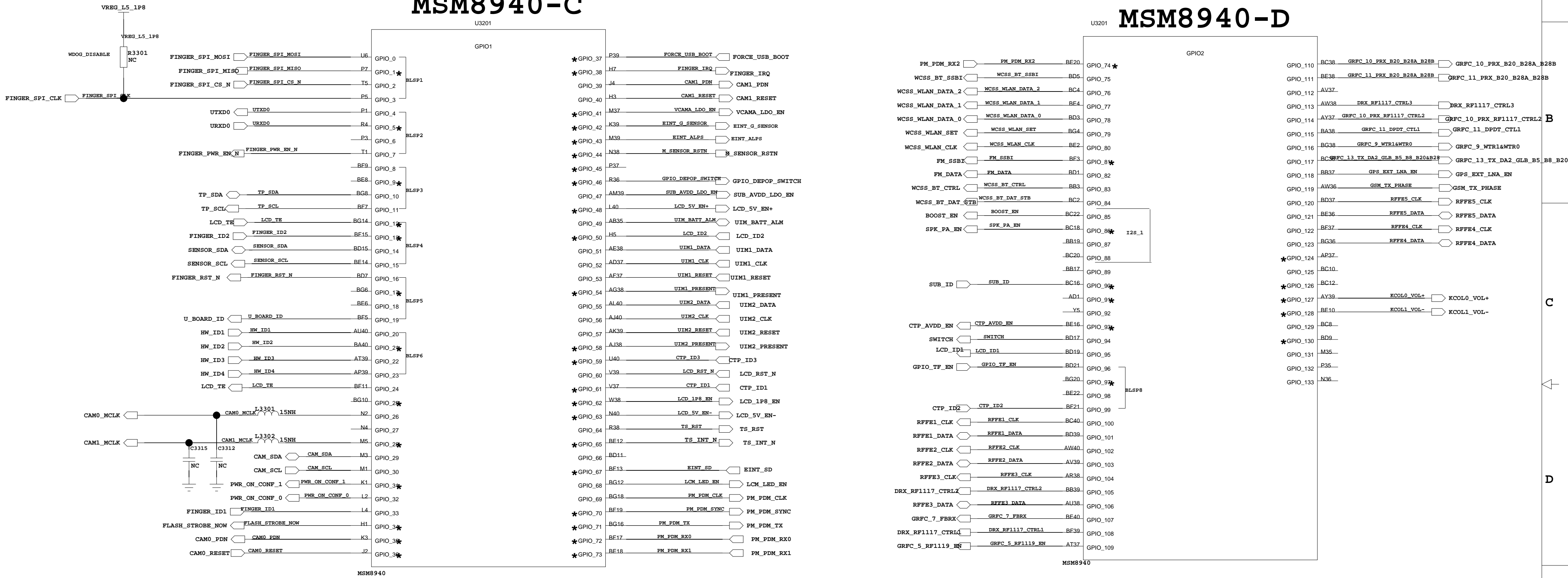


MSM8940

are no external pull-up on these GPIOs (3, 8, 9, 37, 41, 63, 88,91, 92, 106, 107, 108, 109, 111, 112, 114) if secur

MSM8940-C

MSM8940-D

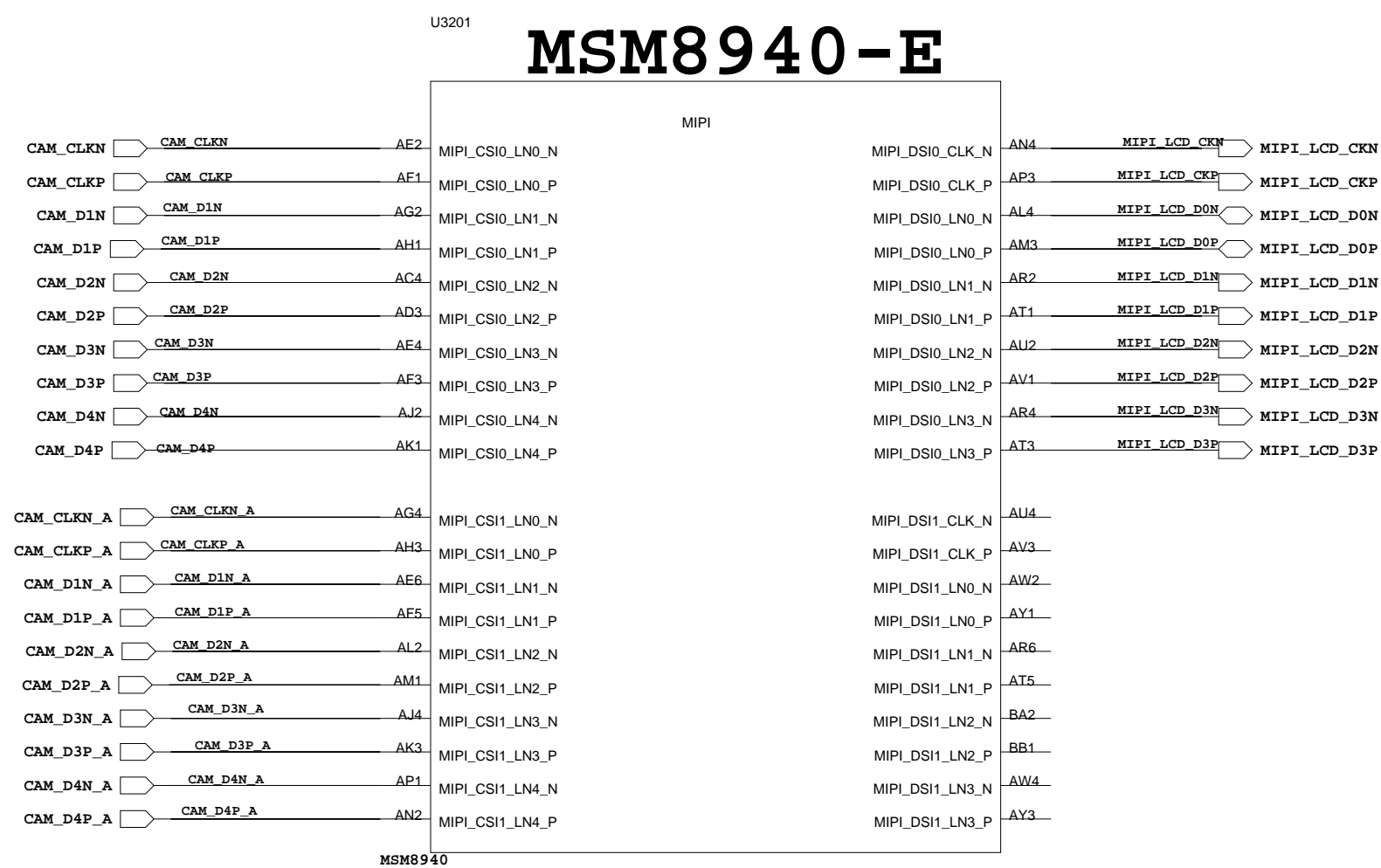
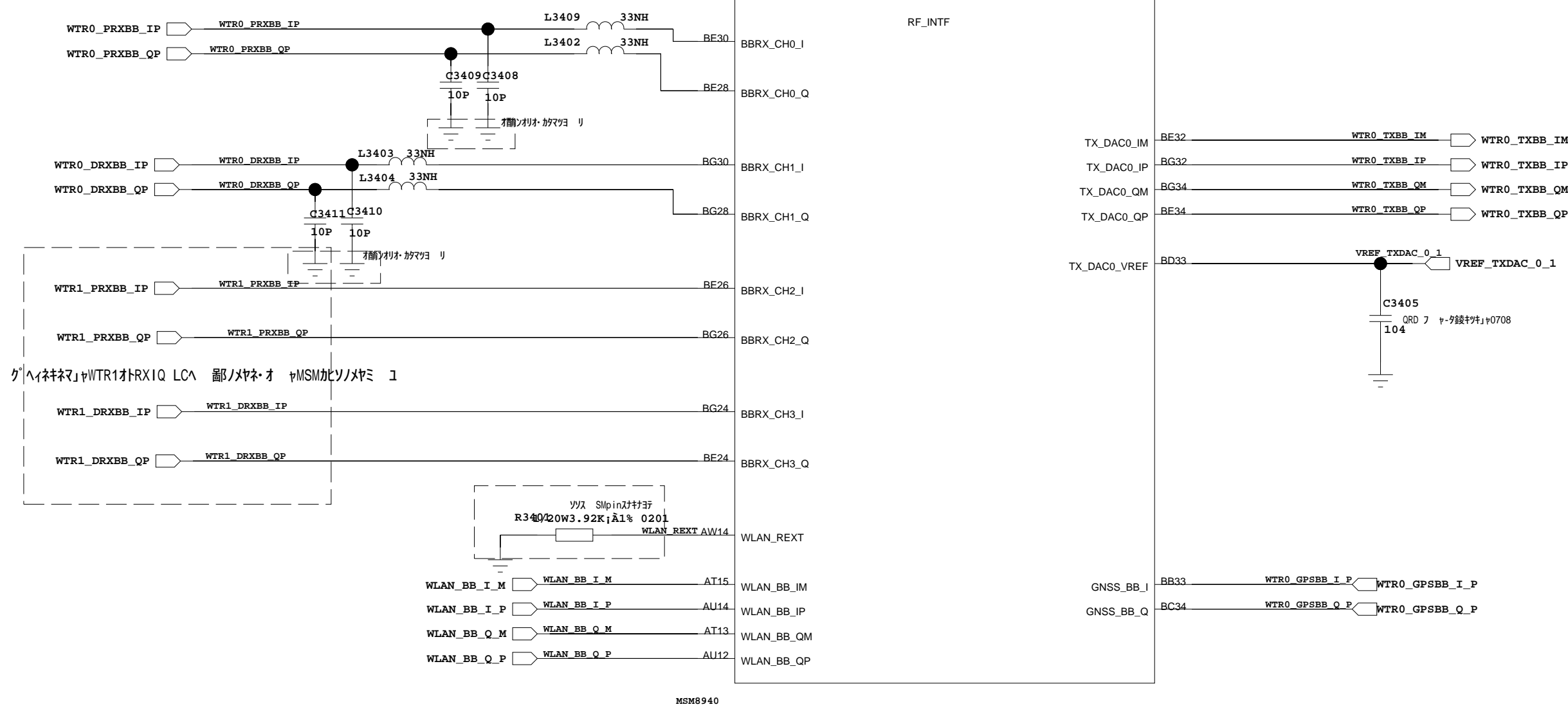


CAM_I2C_SDA0	I2C/摄像头 IIC2	地址	地址
MAIN CAMERA		0X35	0X34
Sub Camera		0X21	0X20

TP_I2C_SDA	I2C/触控 IIC2	地址	地址
TP		0x41	
RGB LED		0x61	

	I2C/摄像头	地址	地址
G-sensor/Gyo		0x05	0x04
ALS+PS		0X07	
M-sensor		0x61	

MSM8940-F



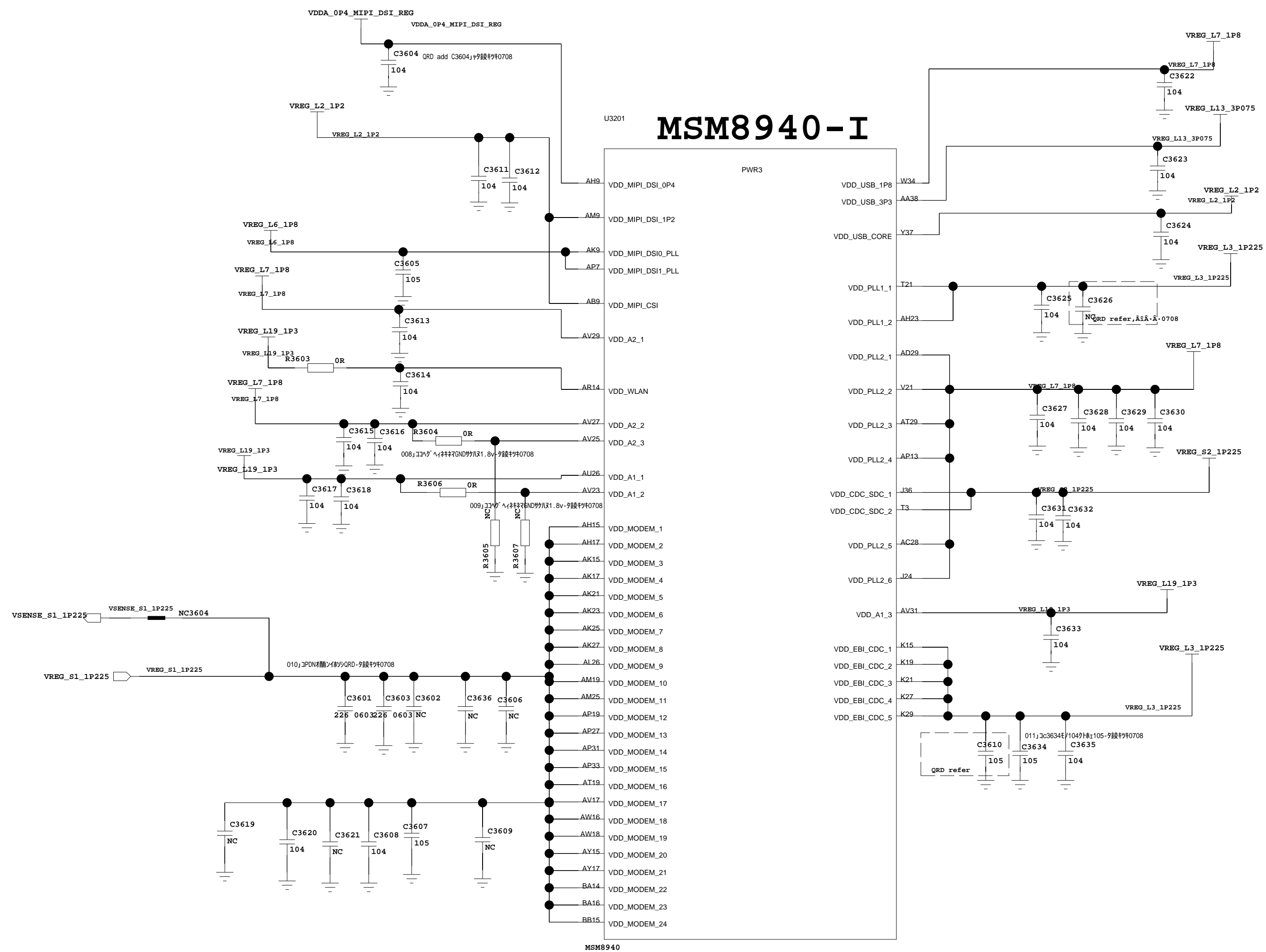
A

44

6



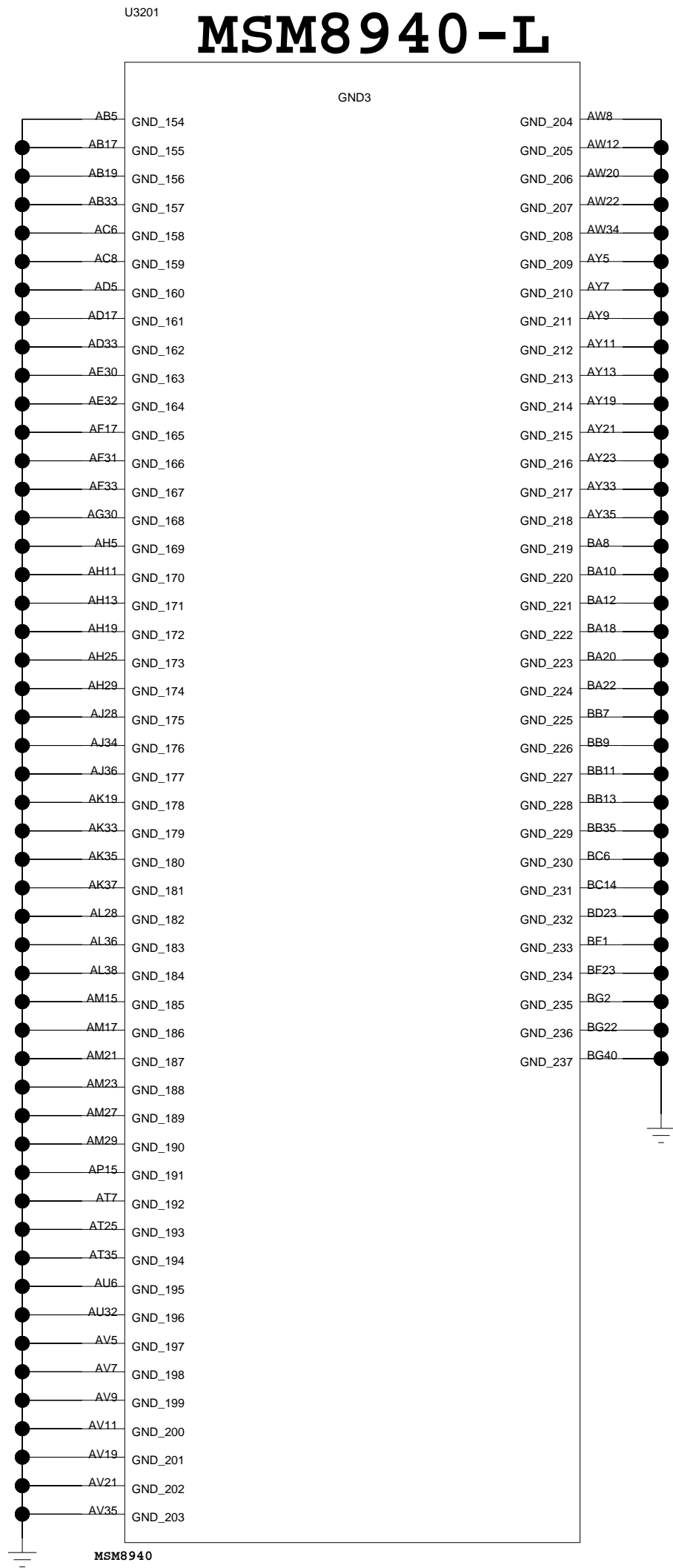
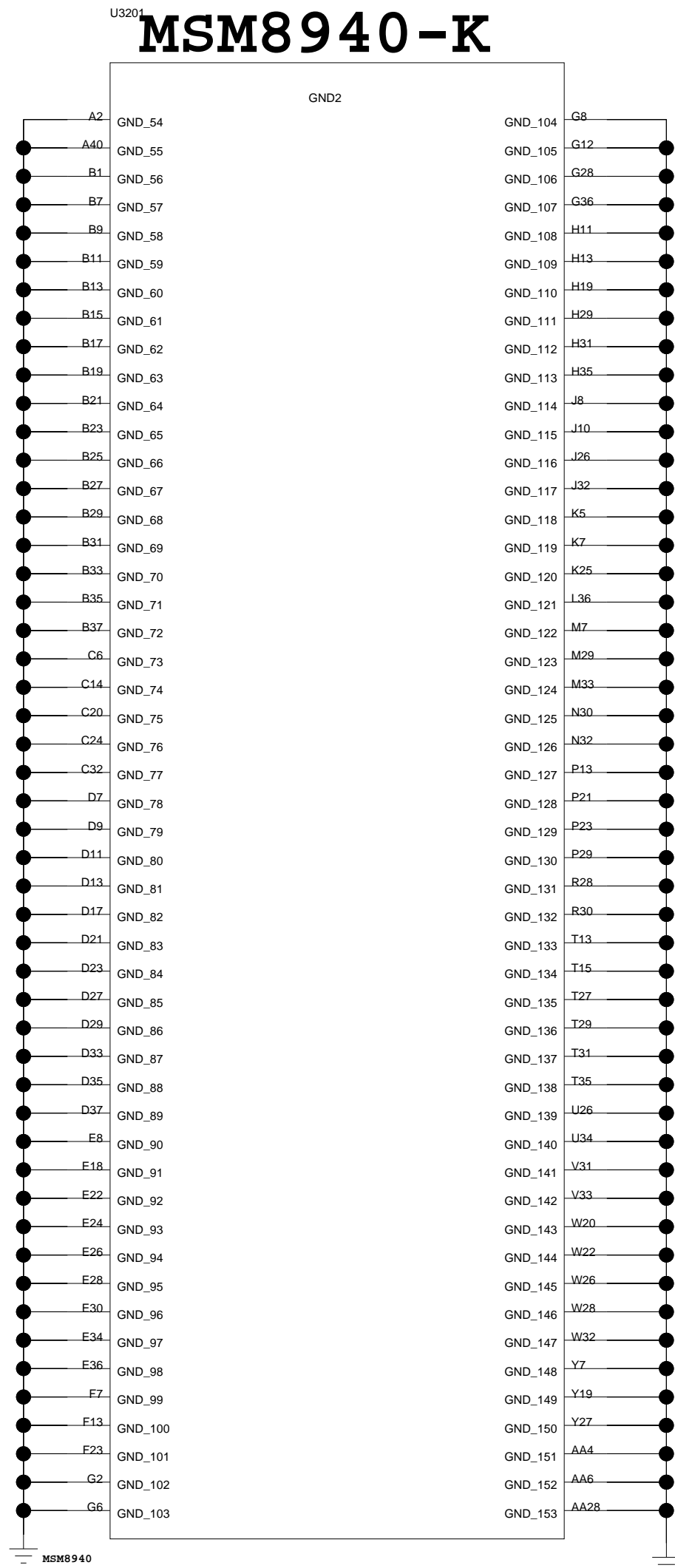
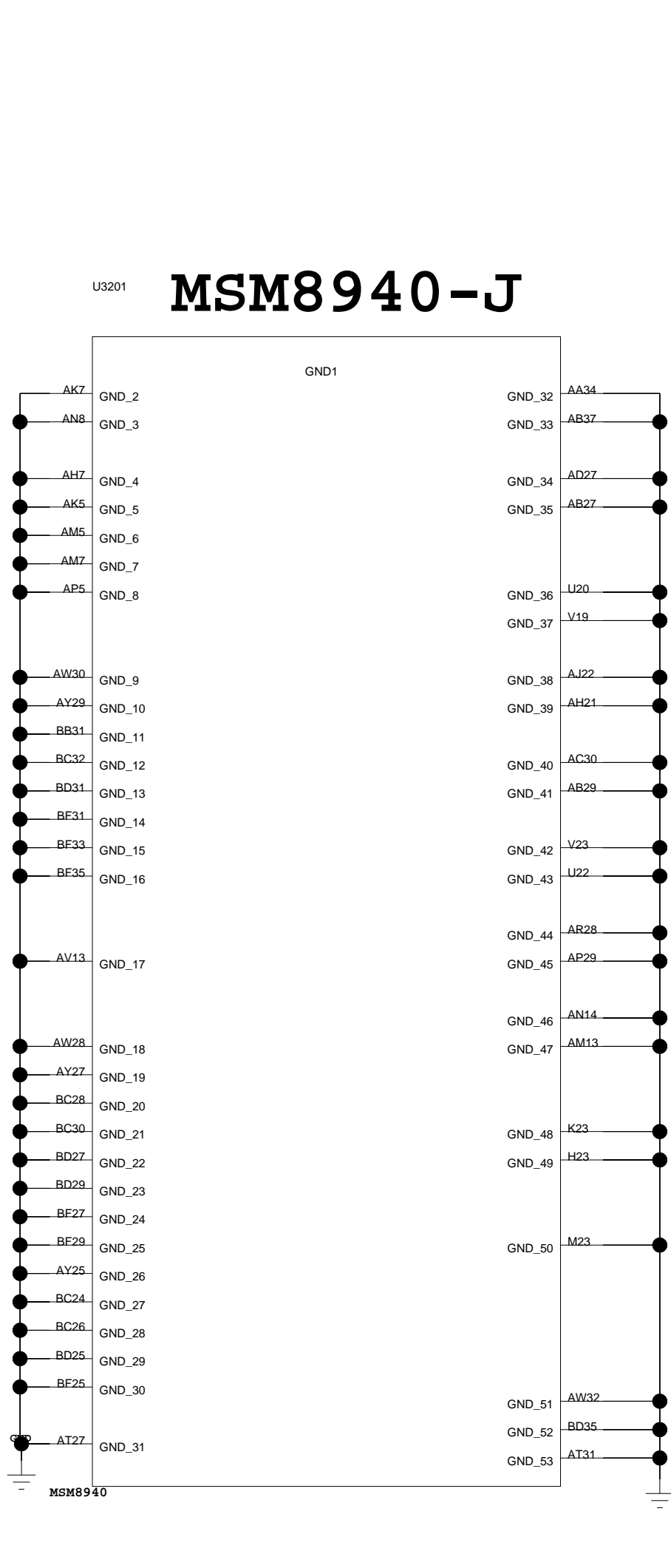
MSM8940



Schema

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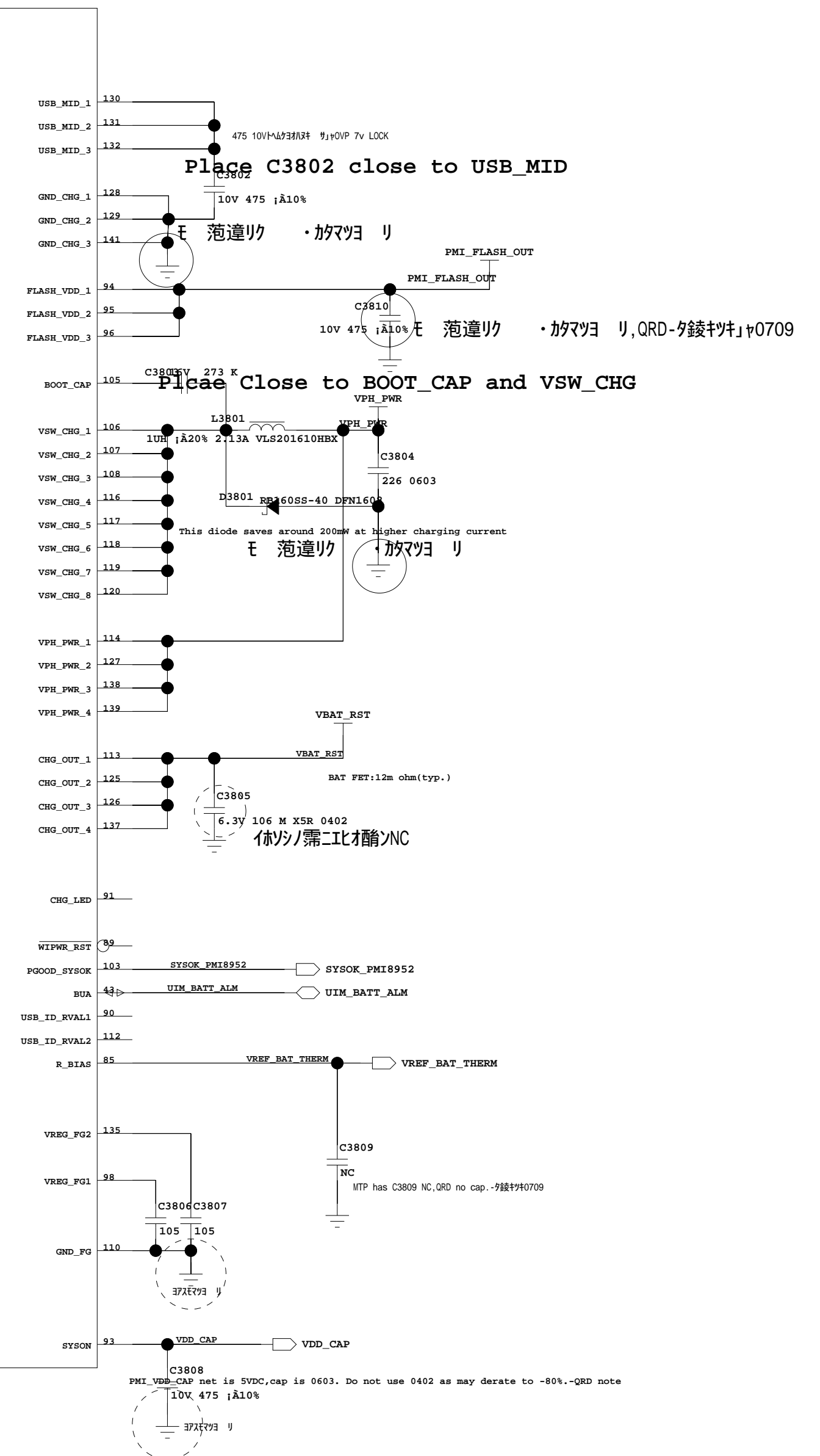
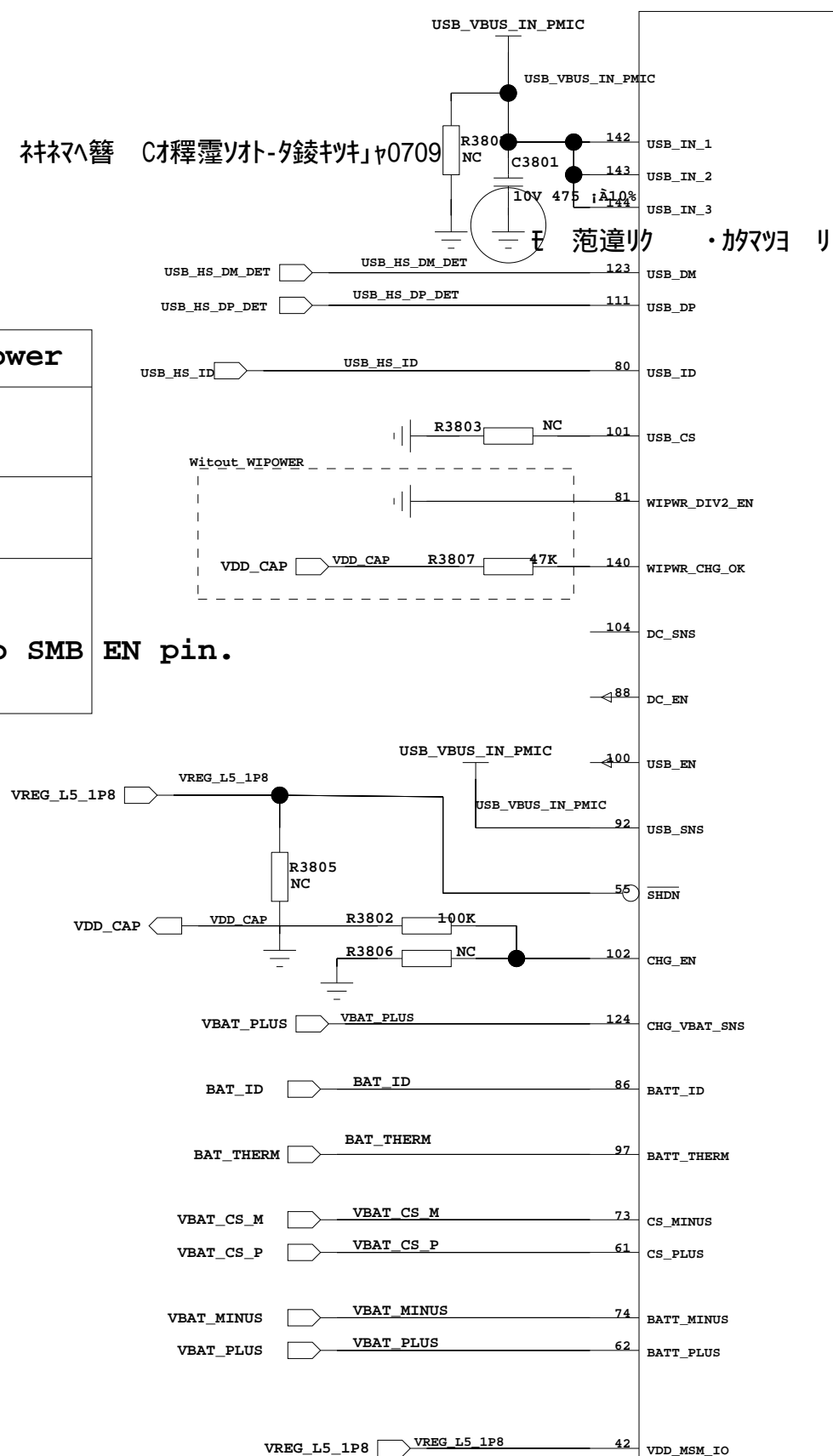
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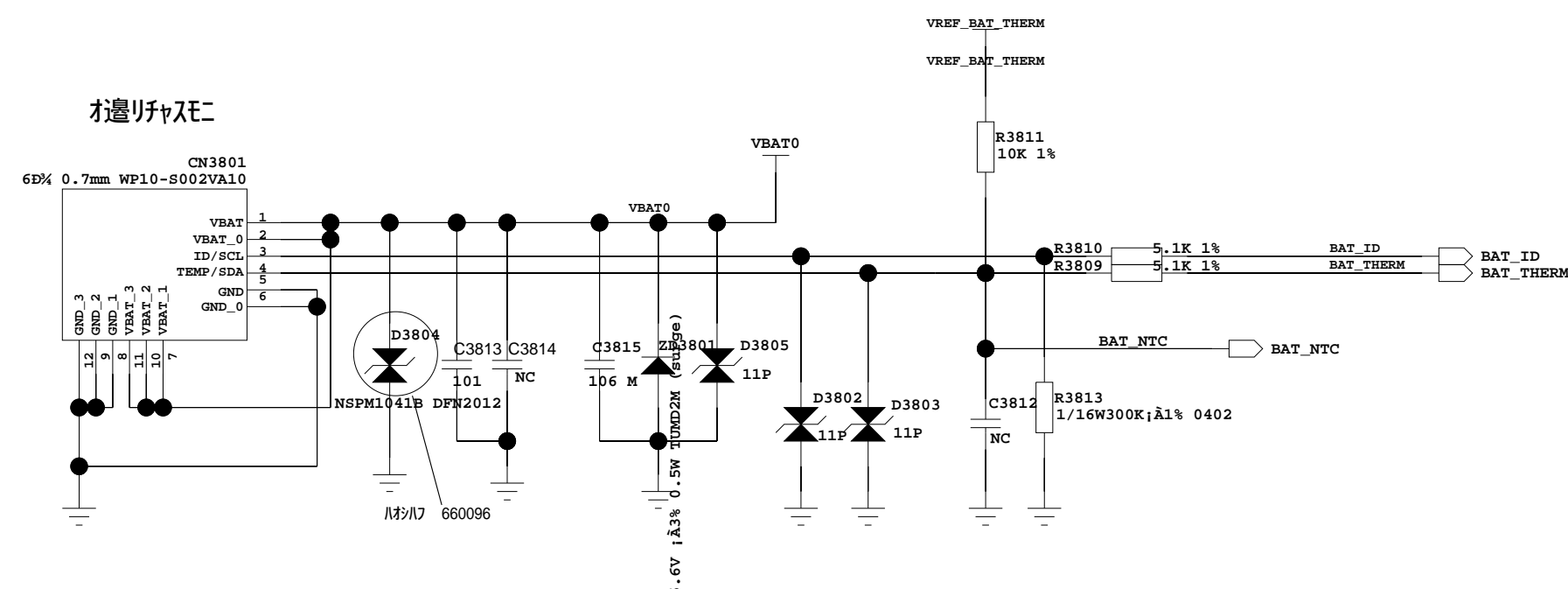
PMI 8952

PMI8952-A

PMI Pin	Connection on device without Wipower	Connection on device with Wipower
WIPWR_CHG_OK	Pull up to VDD_CAP with 51kohm	Stark PRU CHG_OK
WIPWR_DIV2_EN	Pull down to GND with 0ohm	Stark PRU DIV2_EN
GPIO2	No Connect For parallel charging: Connects to SMB_EN pin Do NOT pull up to VDD_CAP	10Kohm pull down to gnd For parallel charging: Connects to SMB_EN pin Do NOT pull up to VDD_CAP

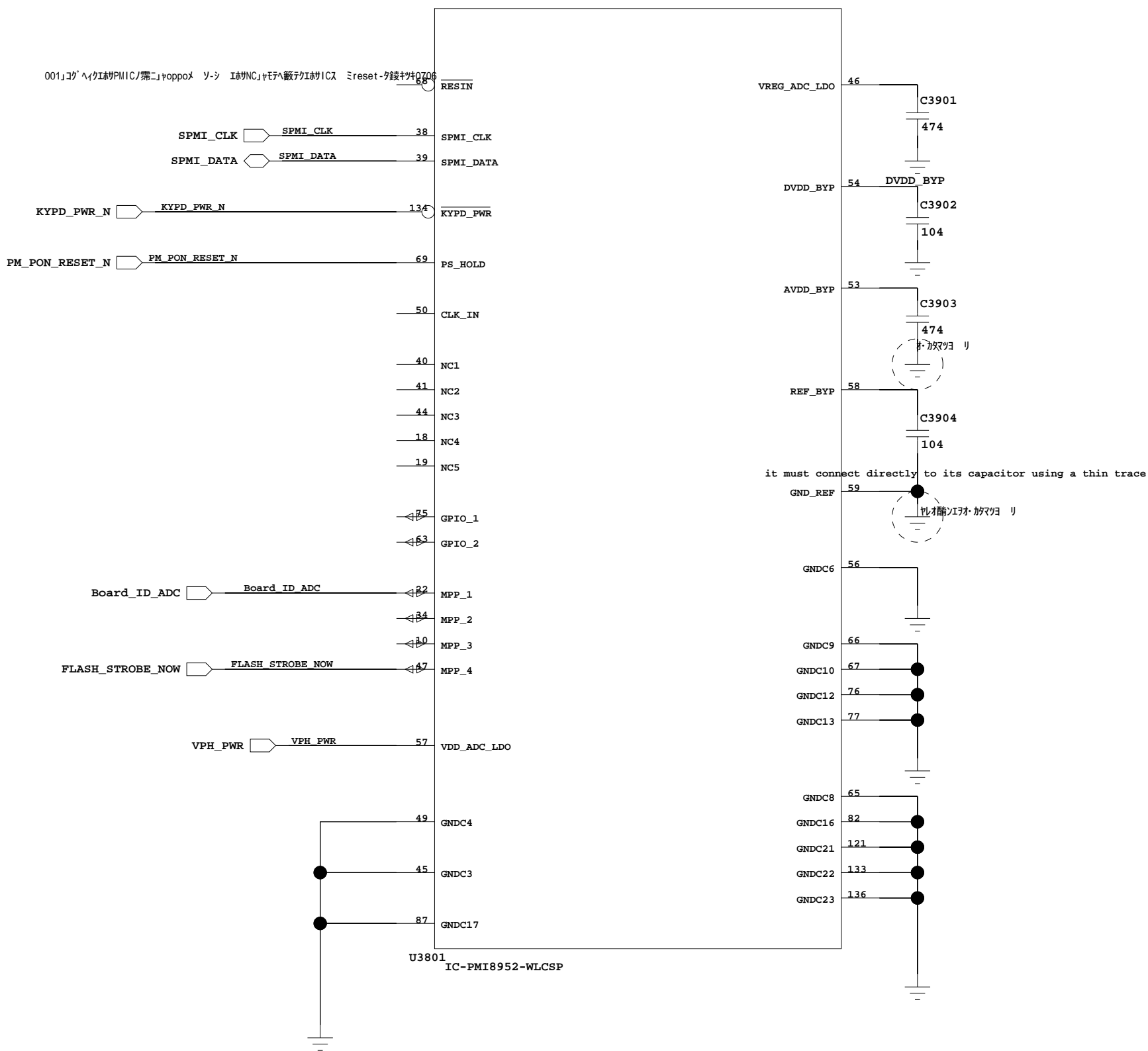


BAT CONNECTOR

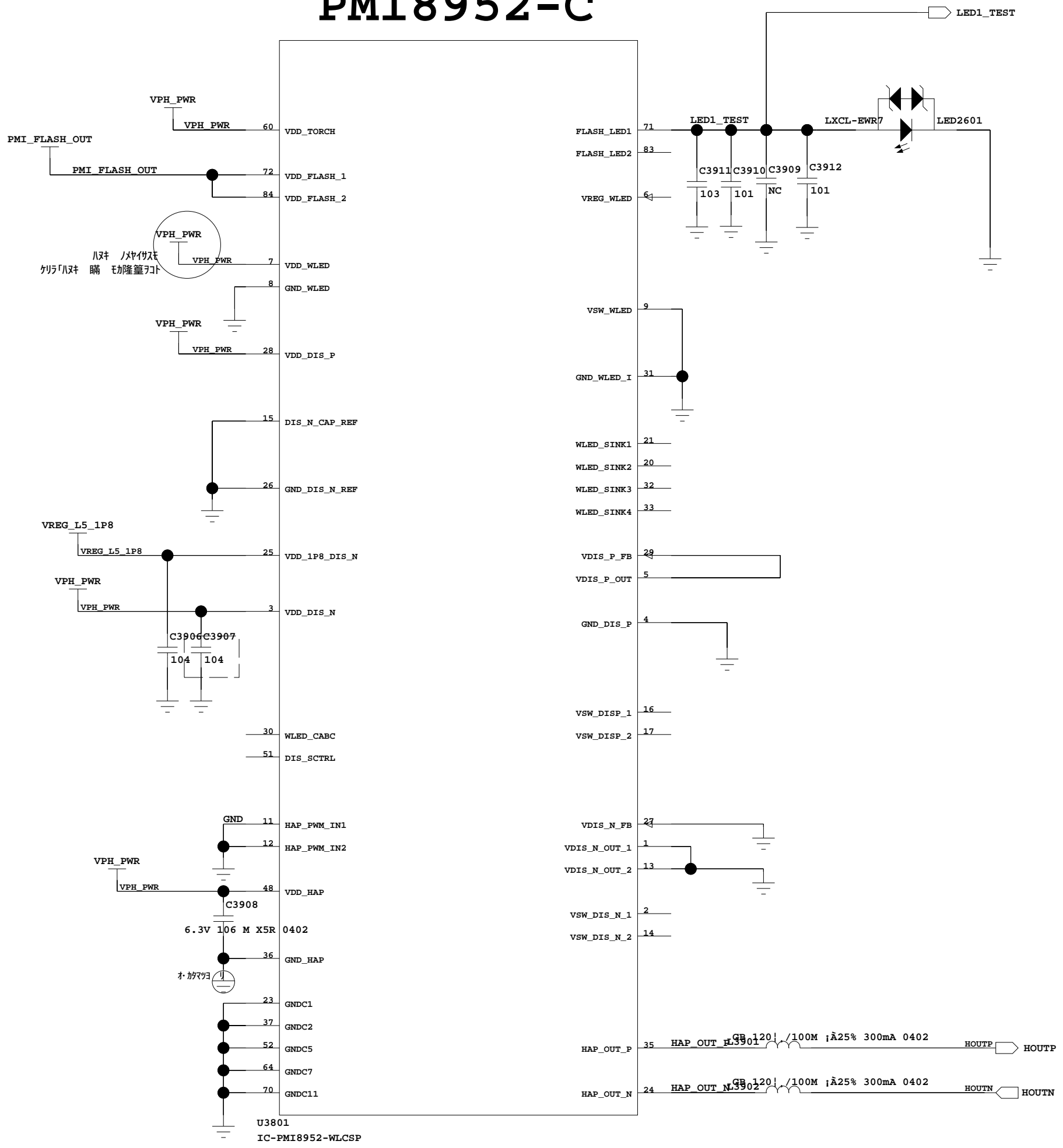


PMI8952

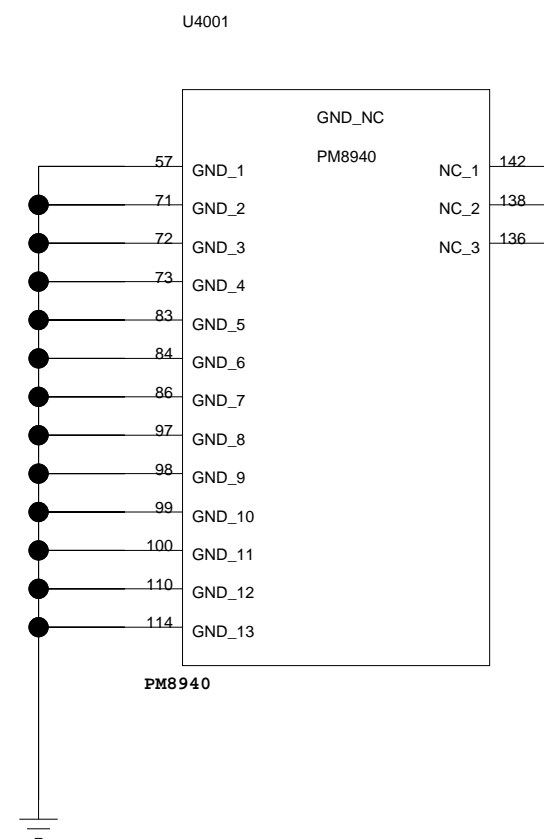
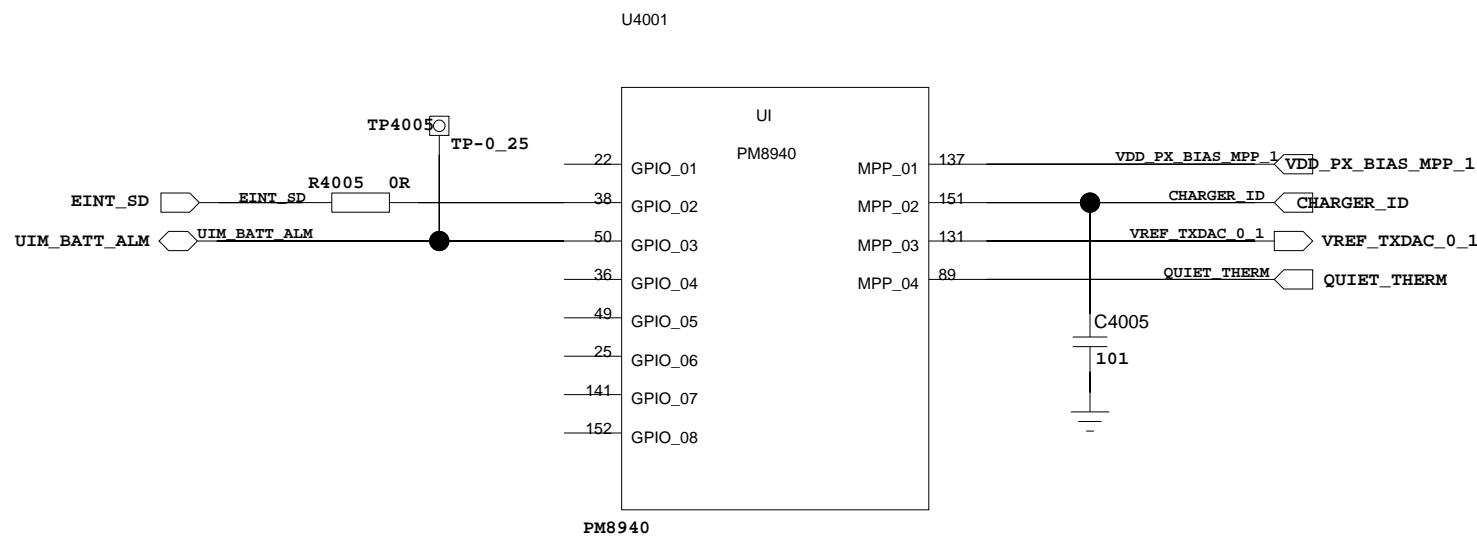
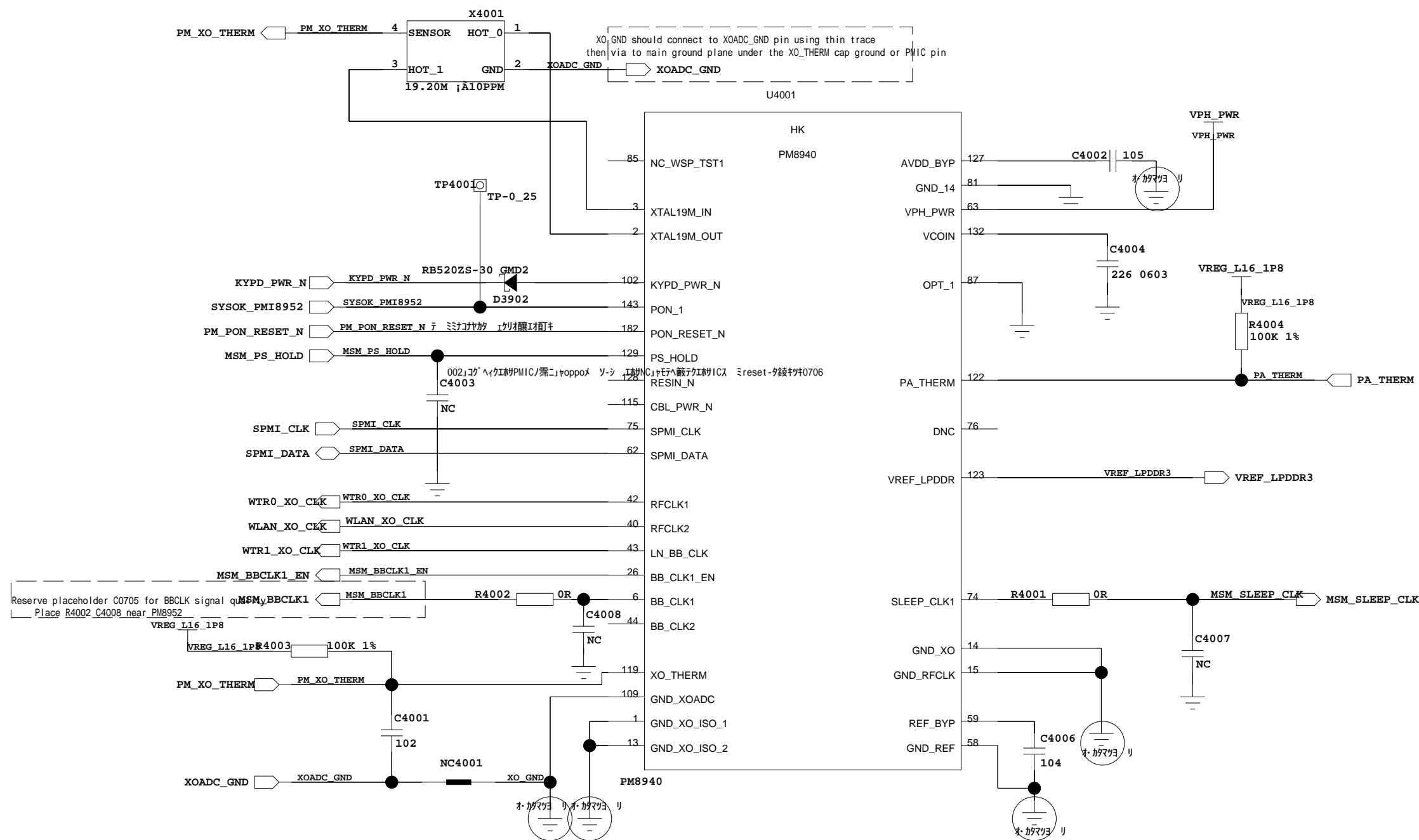
PMI8952-B



PMI8952-C



PM8940

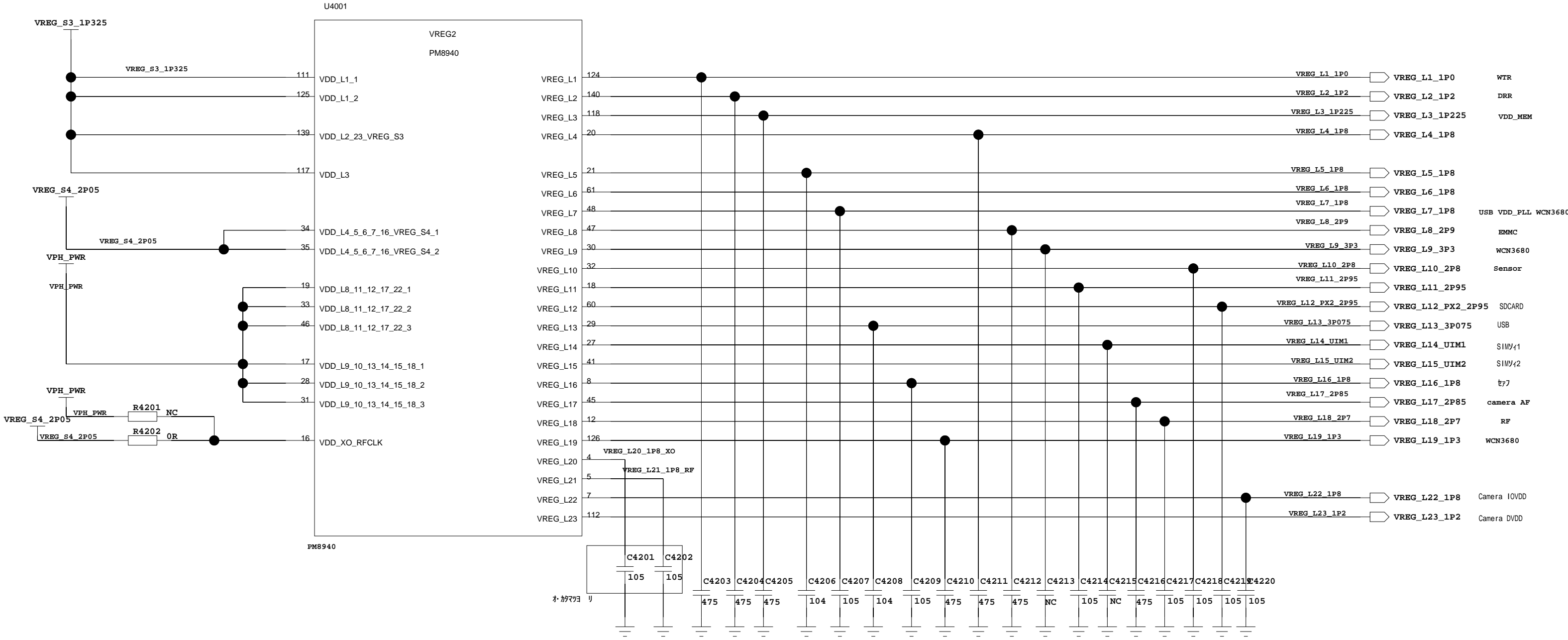


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PM8940

PM8940-LDO



PM8940

