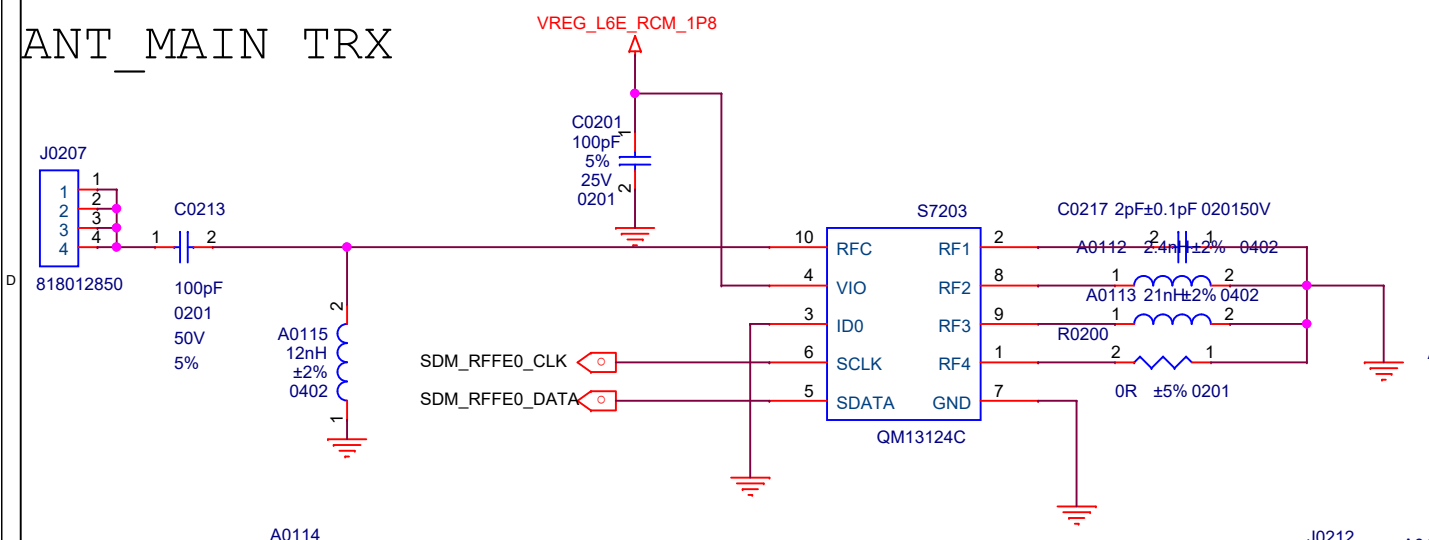
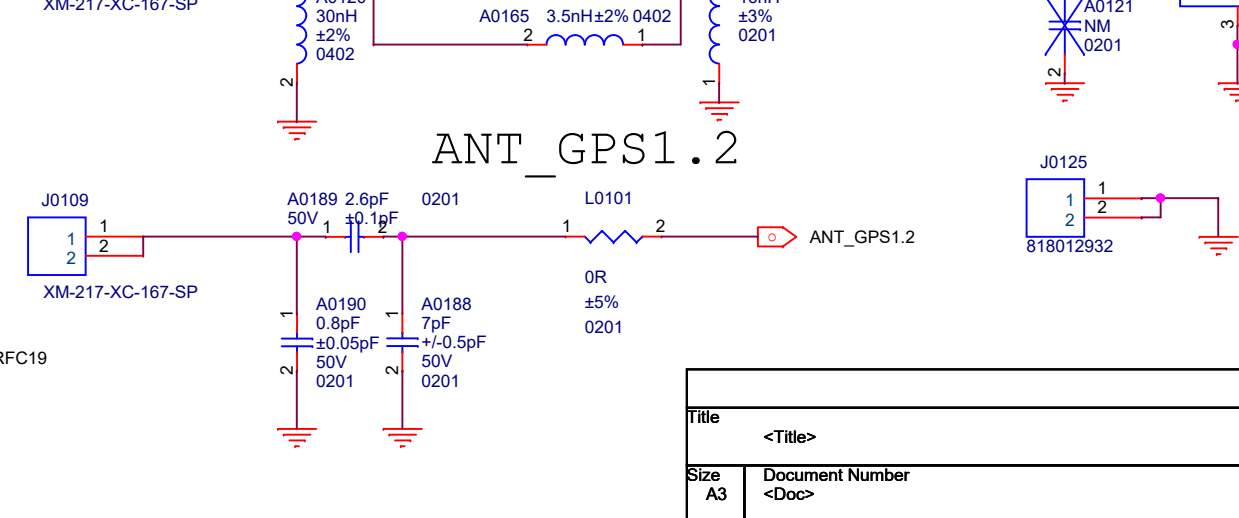
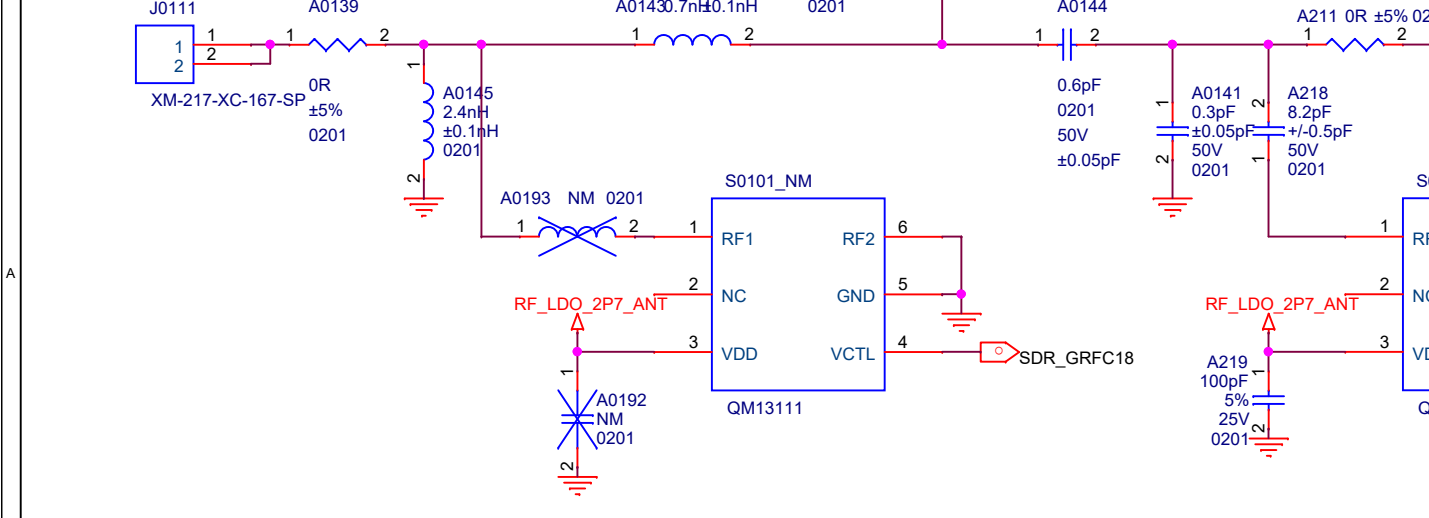
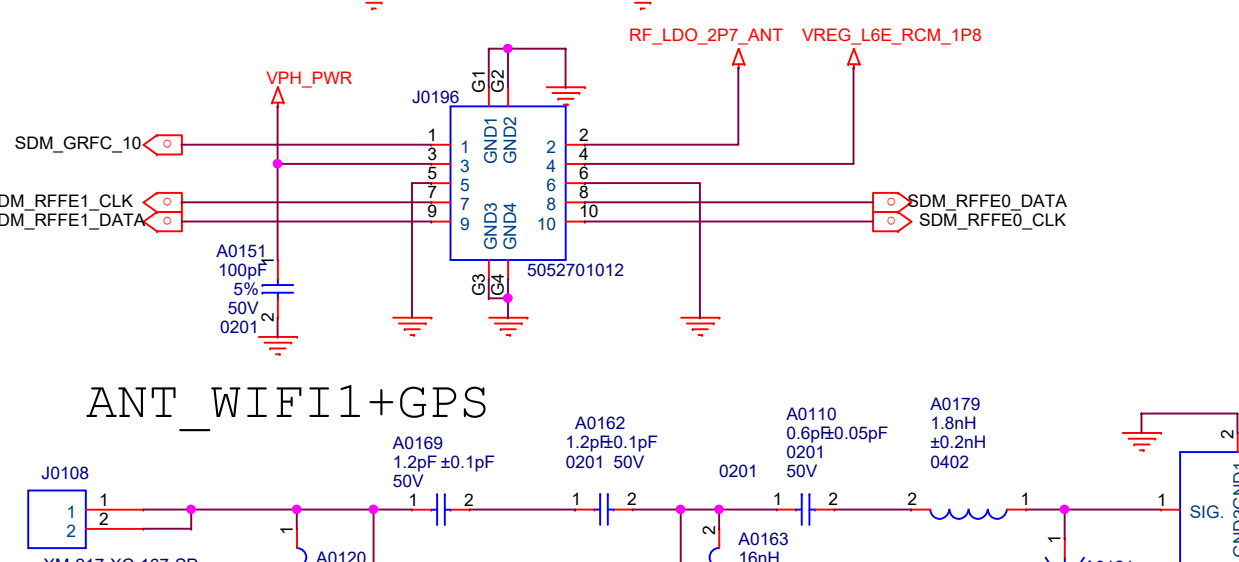
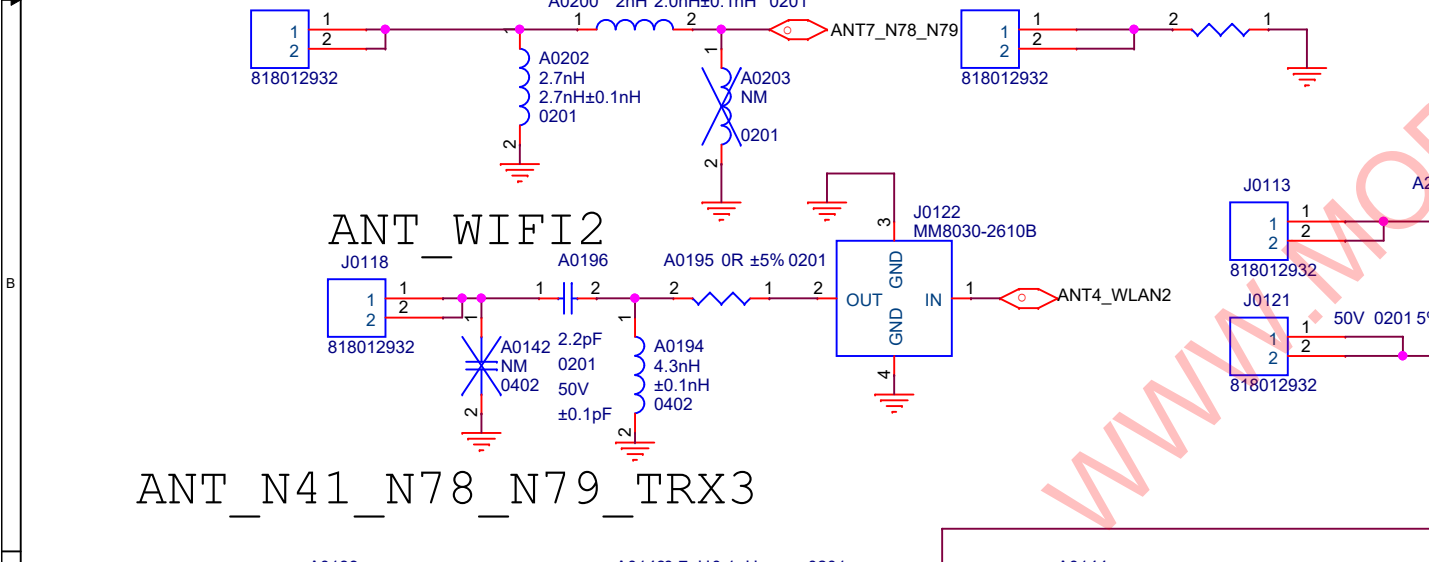
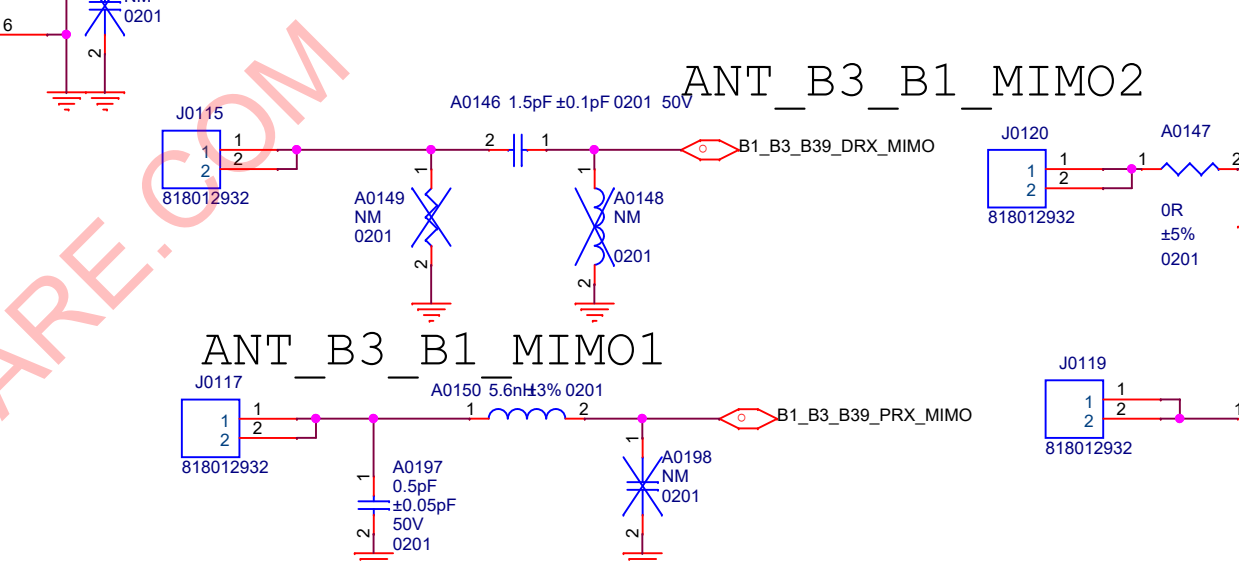
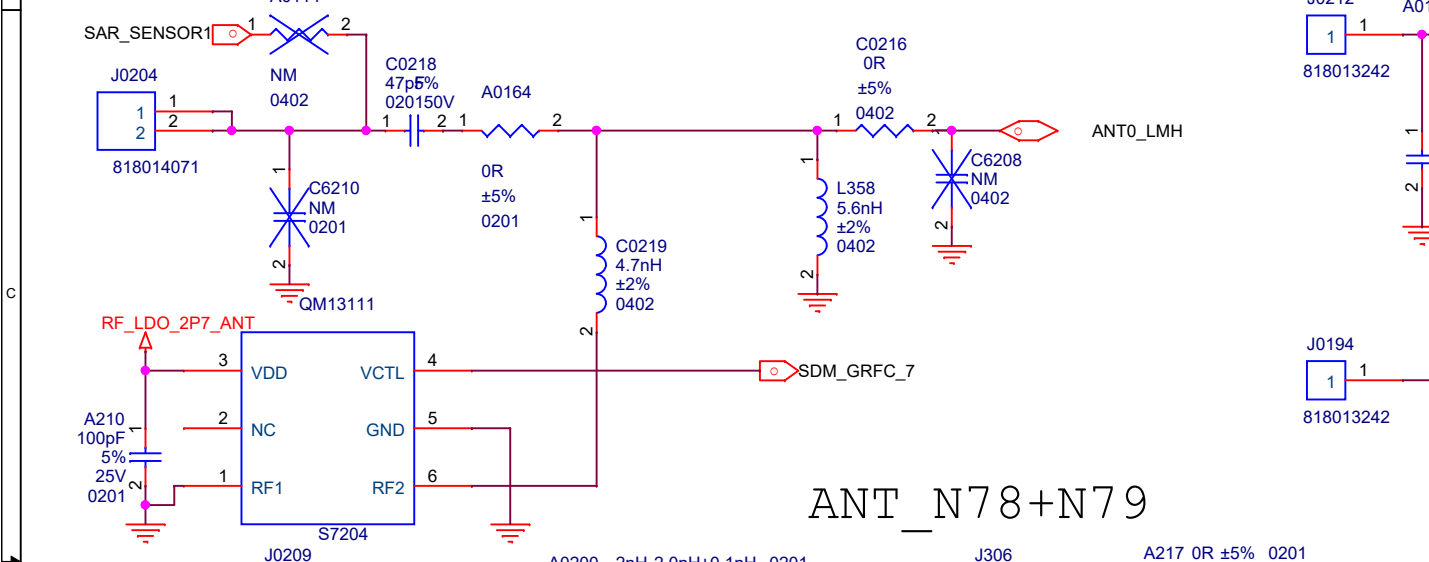
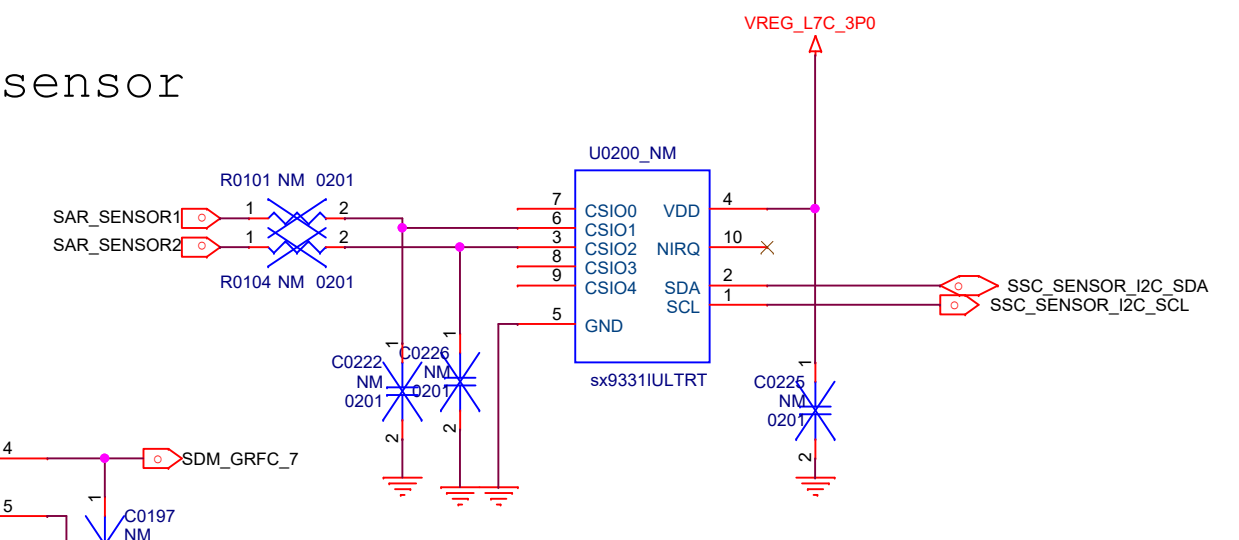


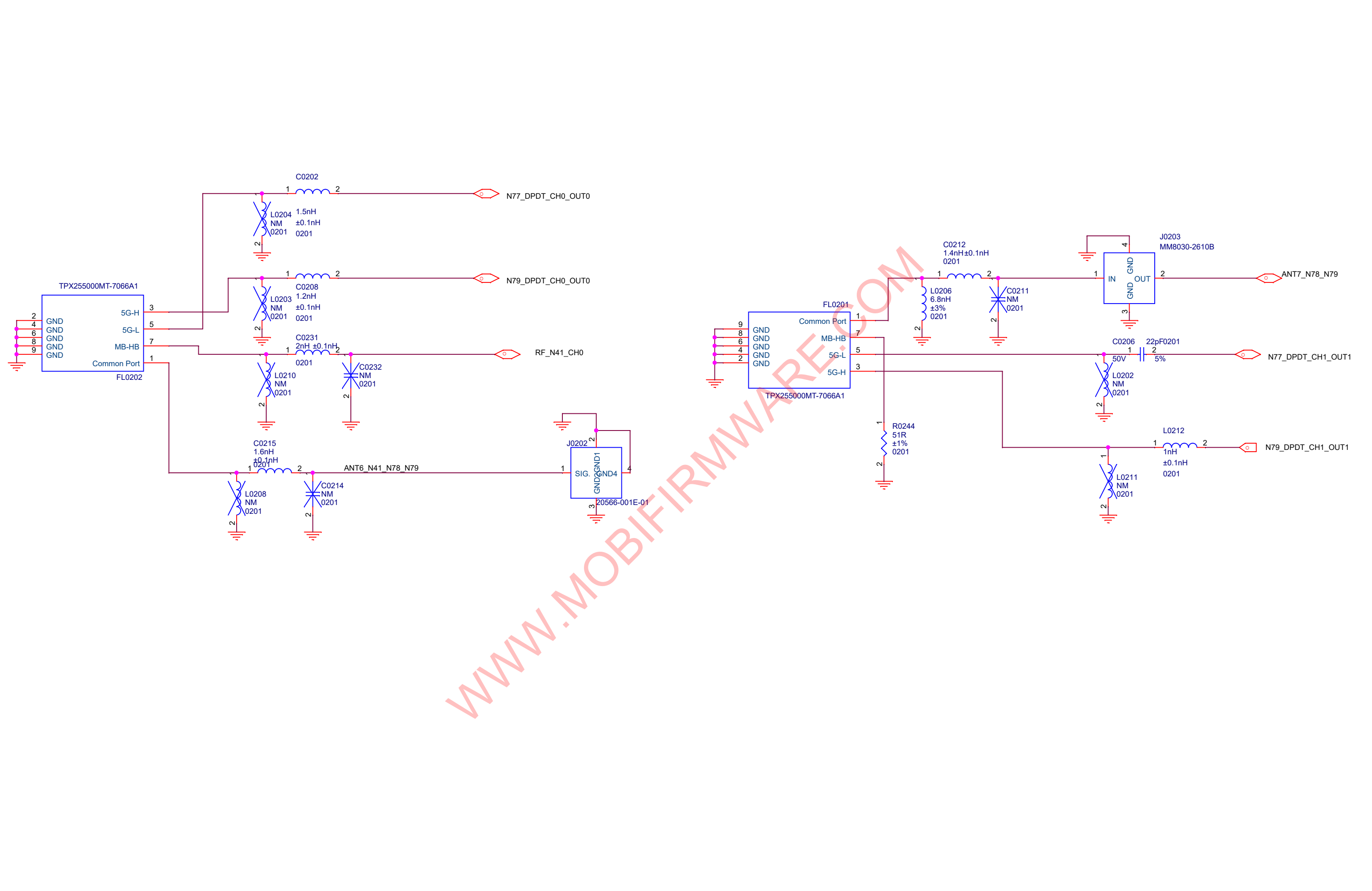
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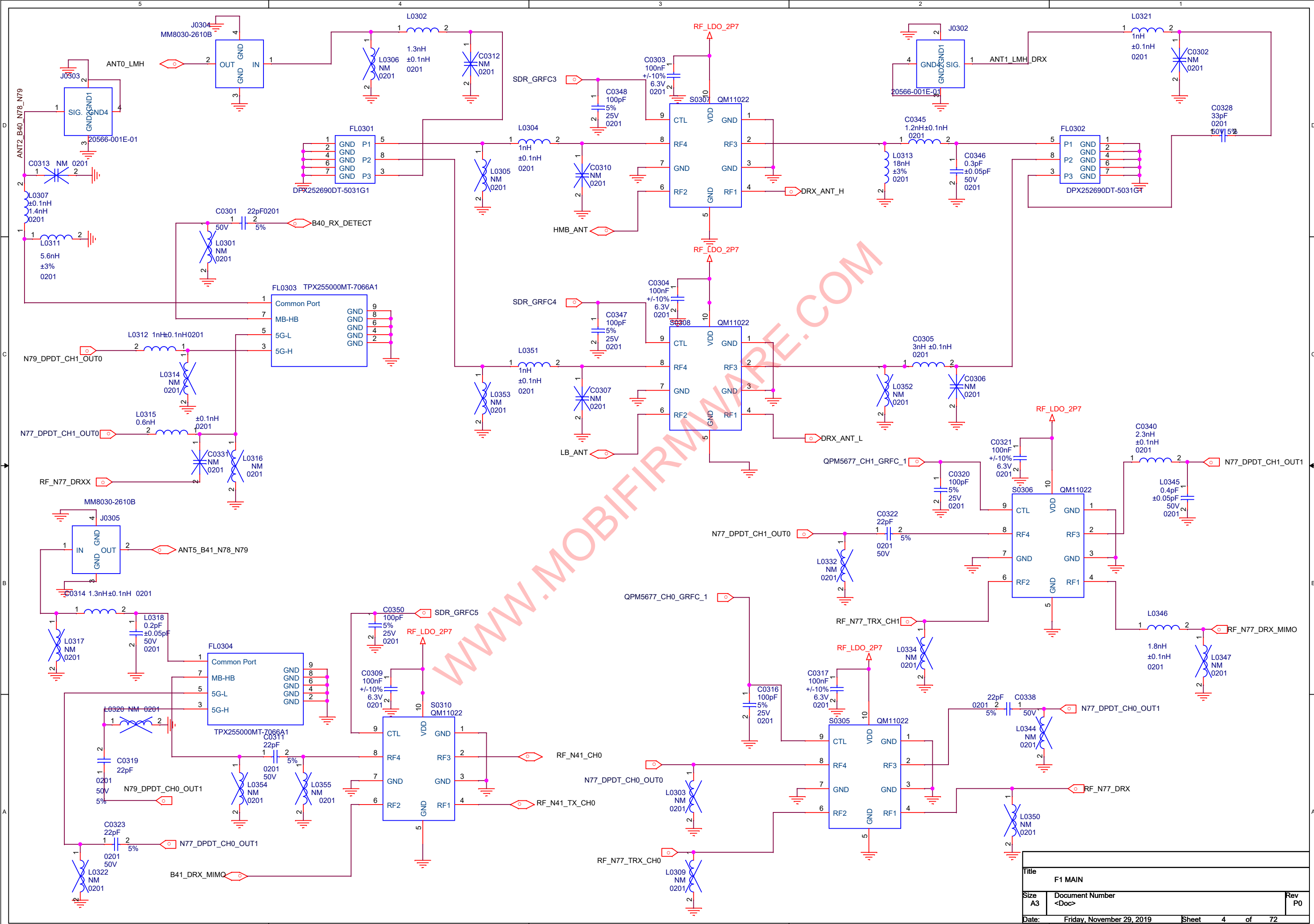
ANT\_MAIN TRX

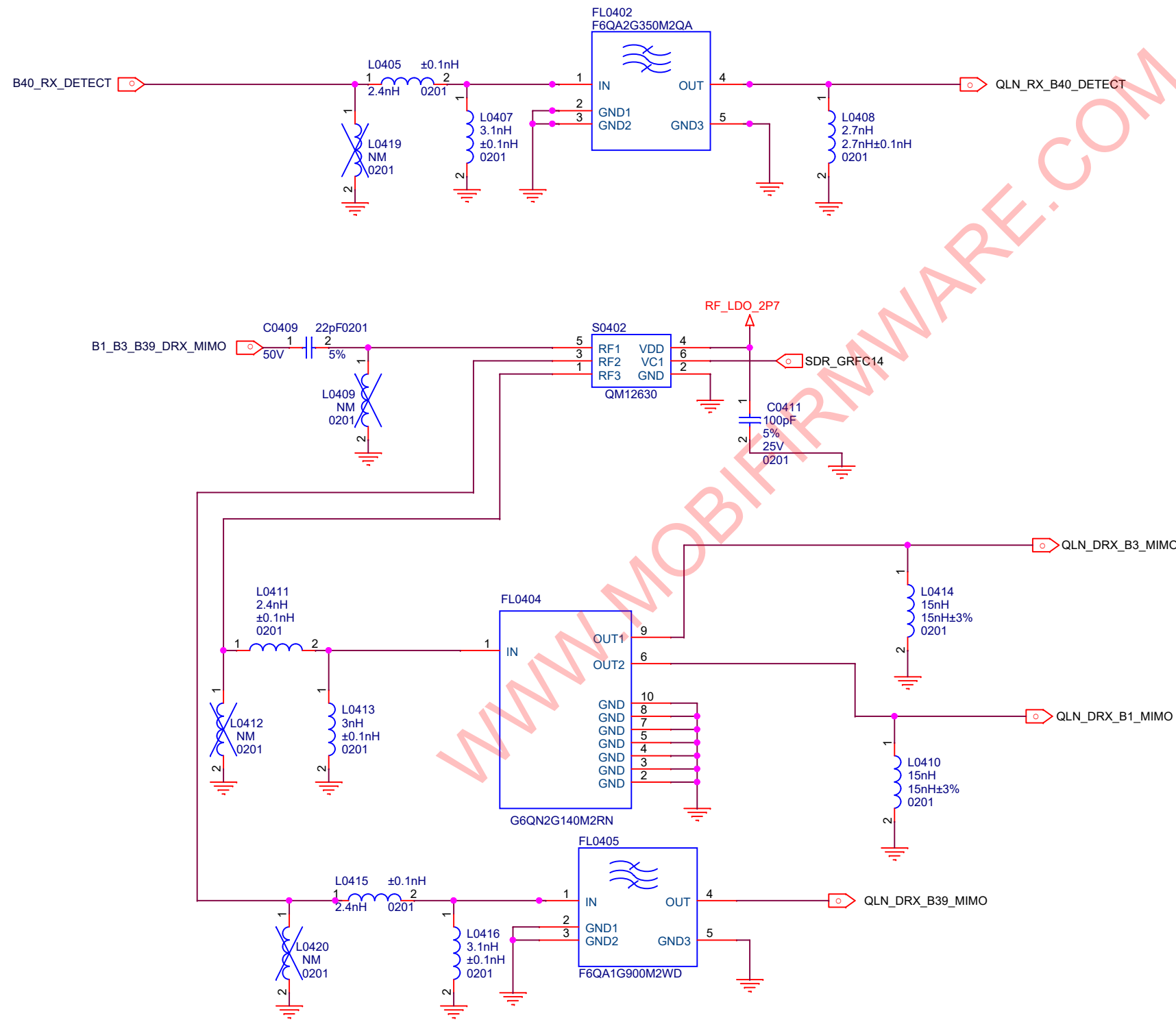


SAR sensor

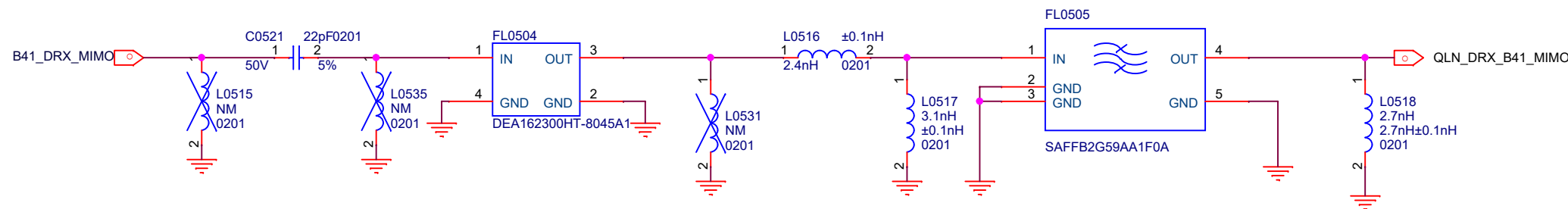
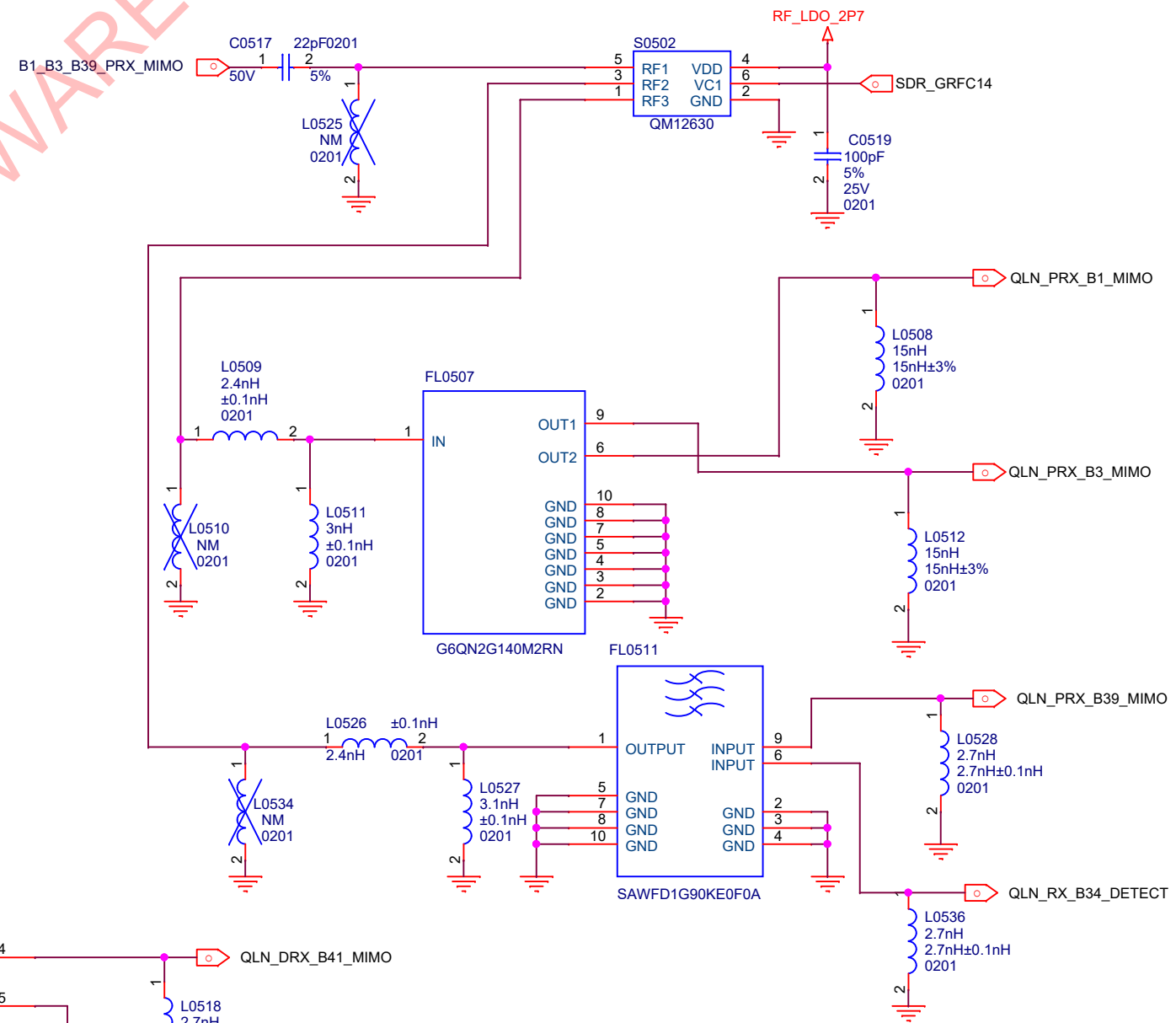
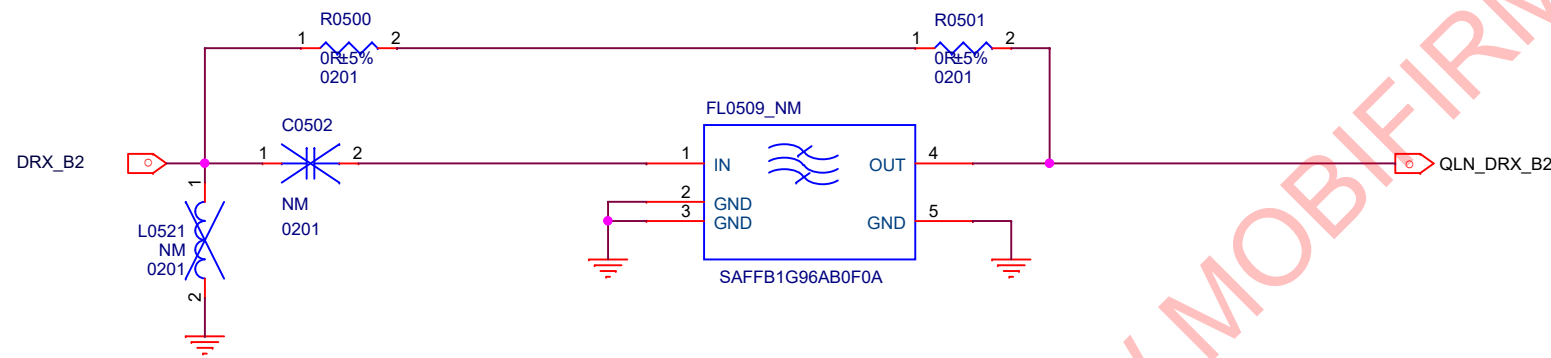
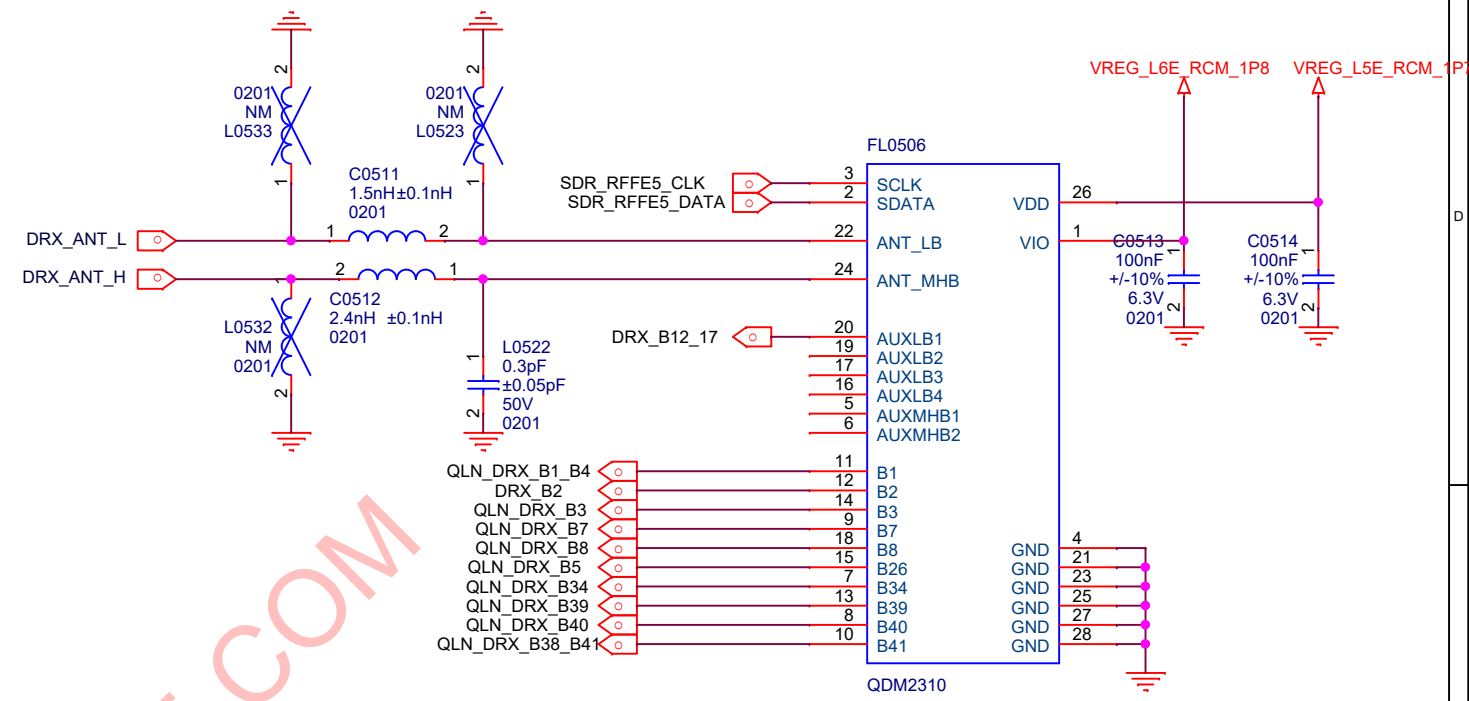
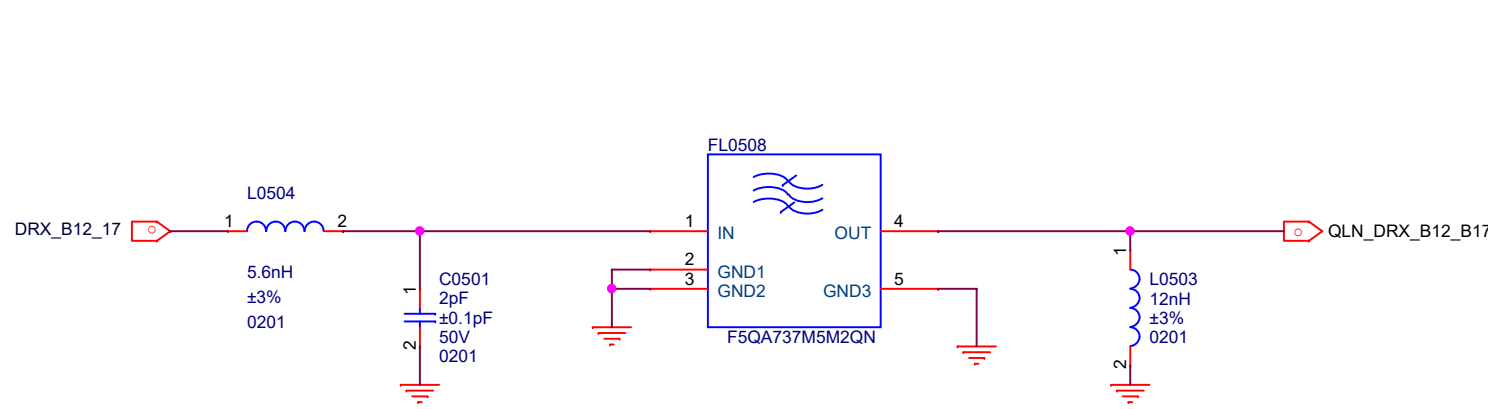










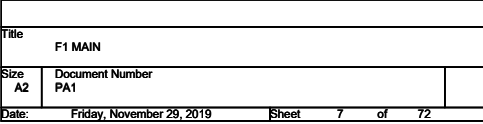




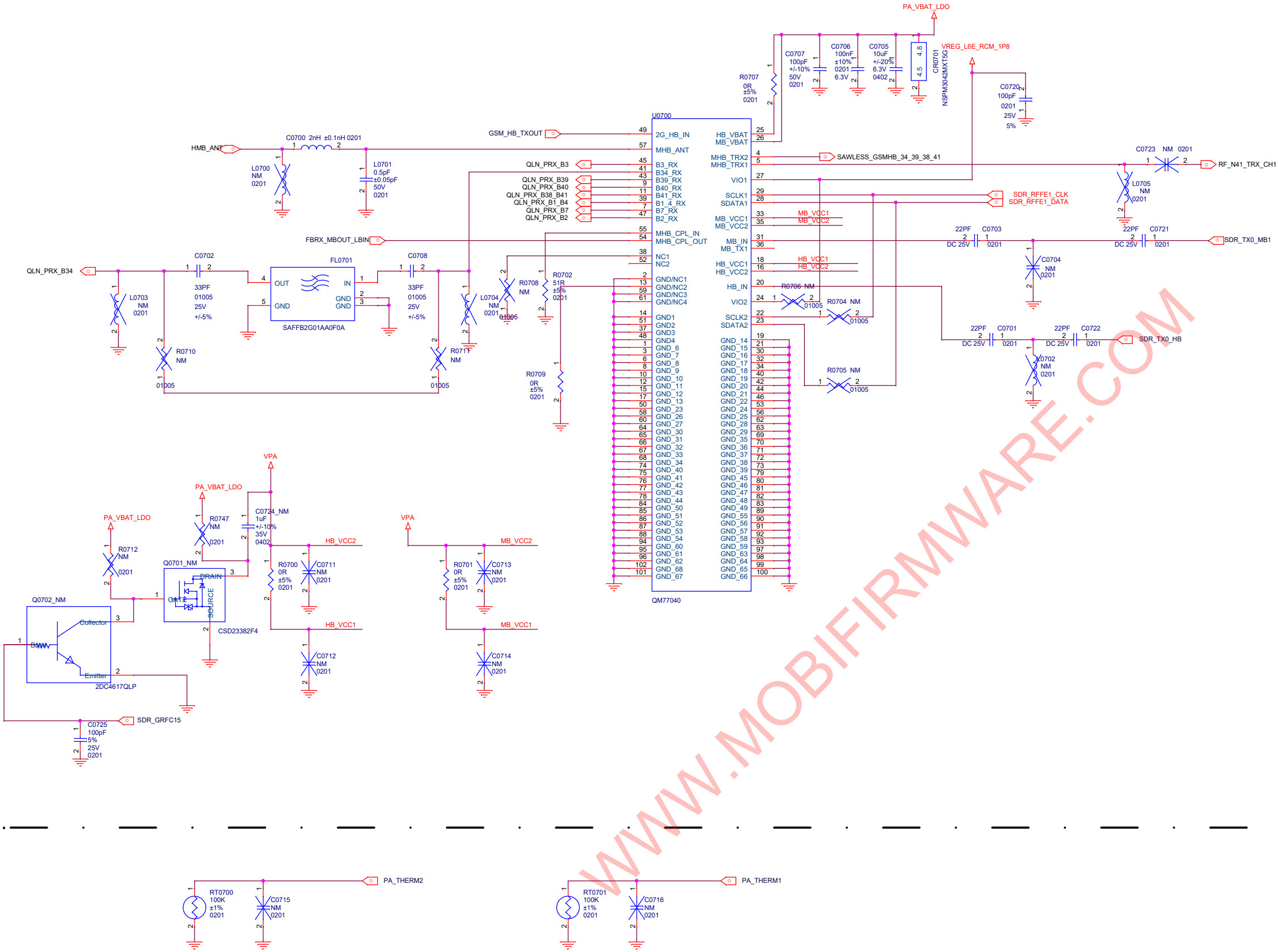
PCB layout for the PRX\_B12\_B17 module. The layout includes various components and their connections:

- Power and Ground:** 50V and 3G4G power planes are shown. Ground planes are indicated by red hatched areas.
- Capacitors:**
  - C0643: 22pF, 5%, 50V
  - C0608: 22pF, 5%, 50V
  - C0604: 22PF, DC 25V, +/-5%, 0201
  - C0606: NM, 0201
  - C0605: NM, 0201
  - C0610: NM, 0201
  - C0622: 100pF, 5%, 50V
- Inductors:**
  - L0603: NM, 0201
  - L0604: NM, 0201
  - L0606: NM, 0201
  - C0624: 0.6nH, +/-0.1nH, 0201
- Microcontroller:** F1168L082943-T (FL0600) is shown with I/O ports 1 and 2, and GND connections.
- Other Components:**
  - LB\_ANT: Antenna connector
  - 3G4G\_LB\_IN: 3G4G interface
  - FBRX\_MBOU\_T\_LBIN, FBRX\_LBOU\_T\_SP3T, GSM\_HB\_TXOUT: Various interface signals

The layout is overlaid with a large watermark: [WWW.MOBIFIRMMWAVE.COM](http://WWW.MOBIFIRMMWAVE.COM).



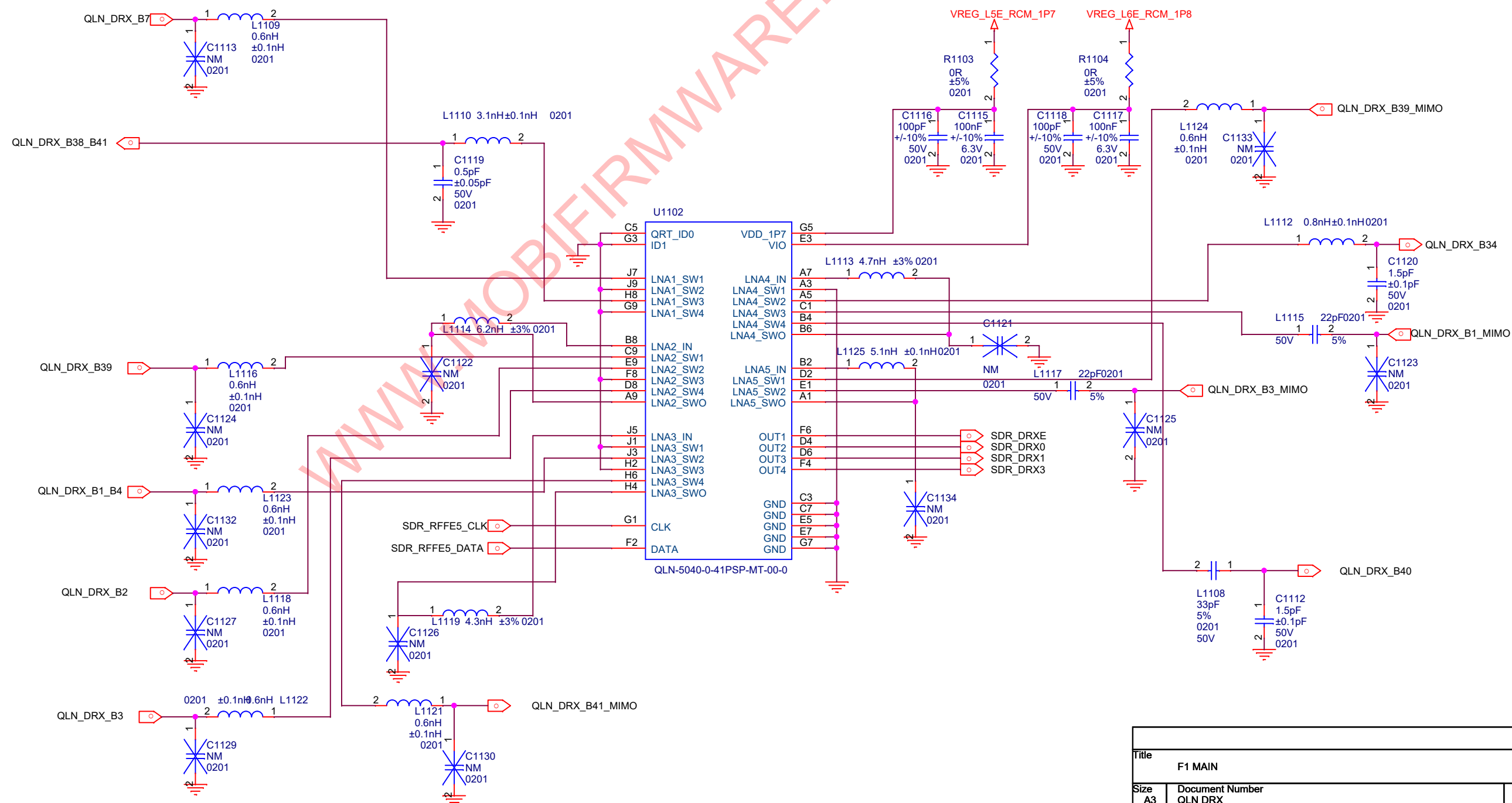
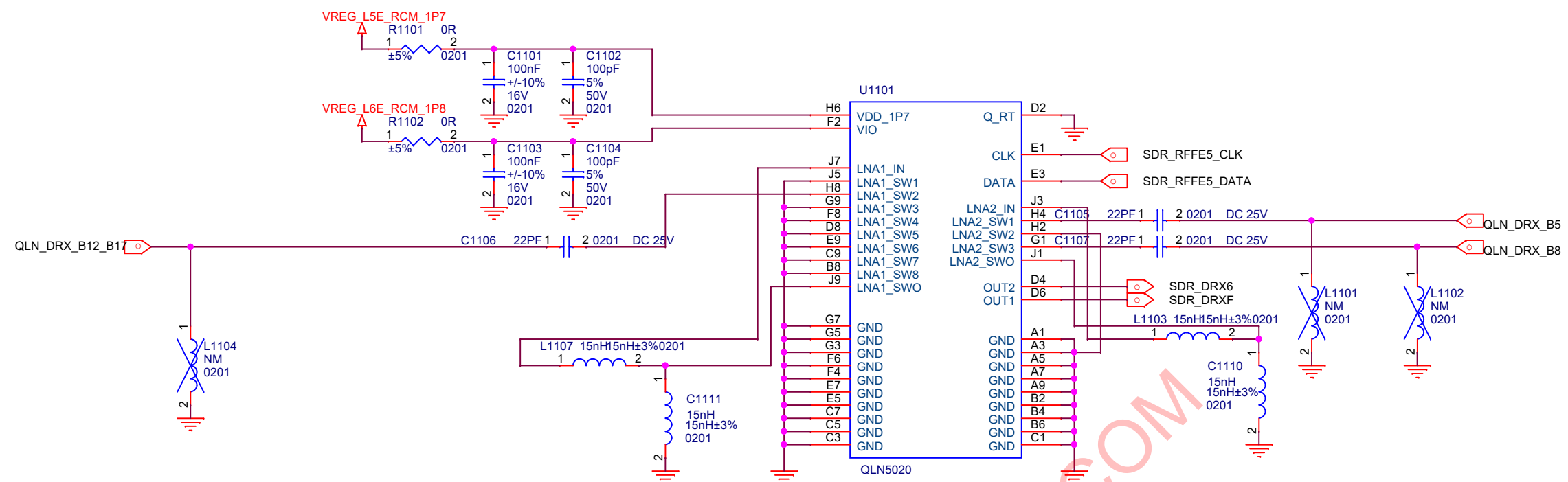
MHB S-PAD



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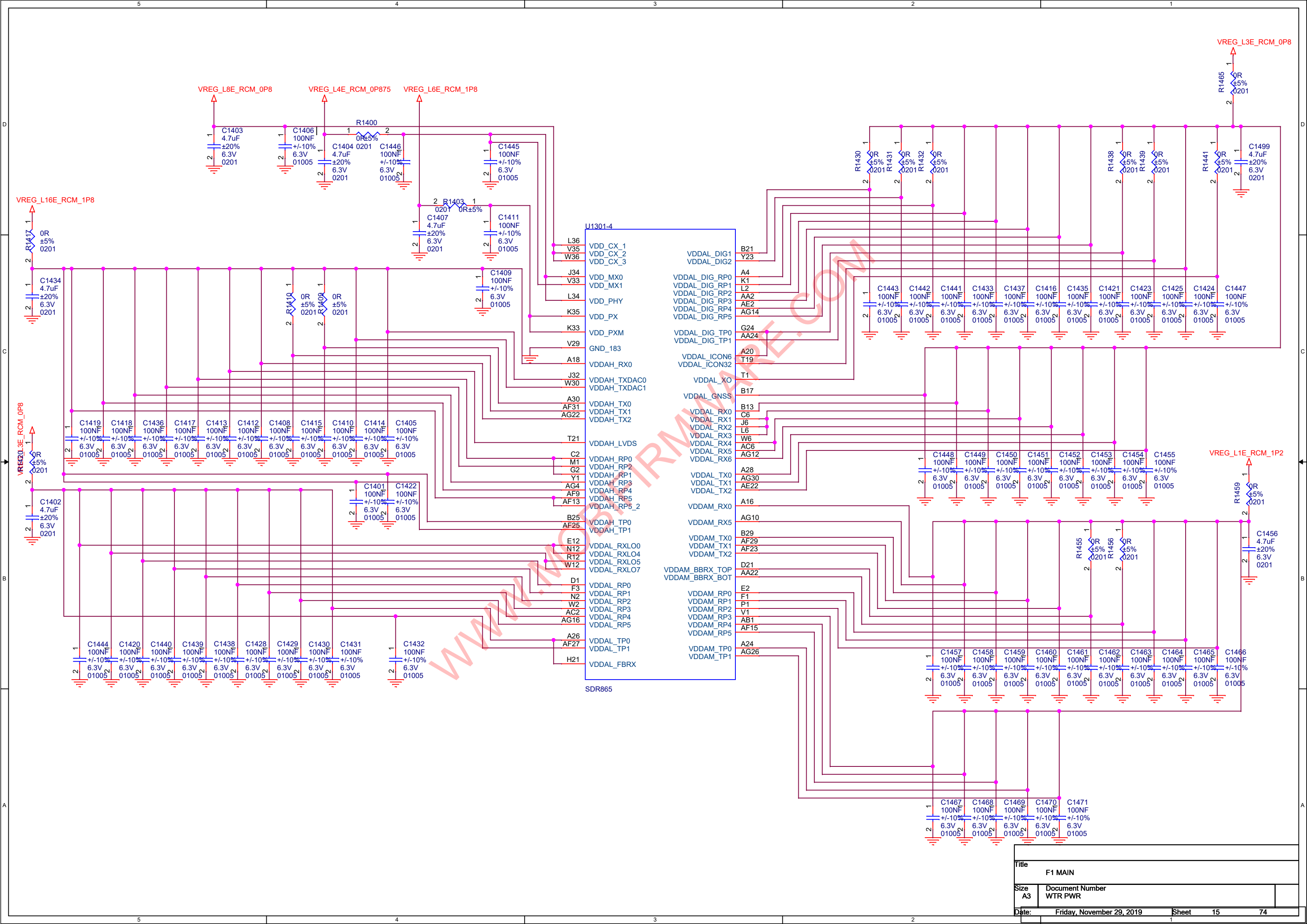


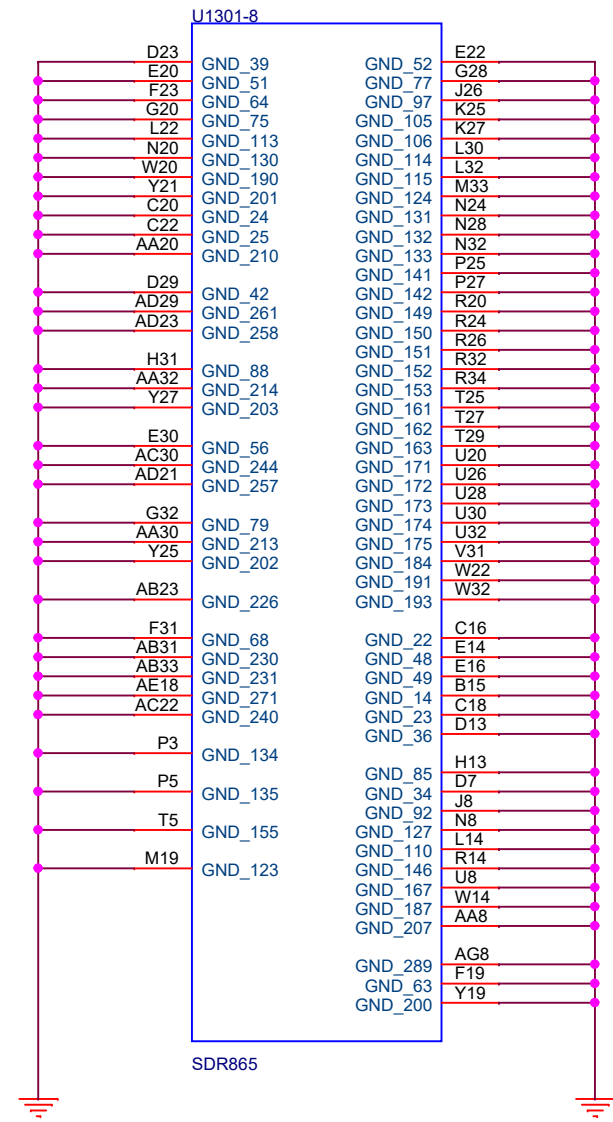
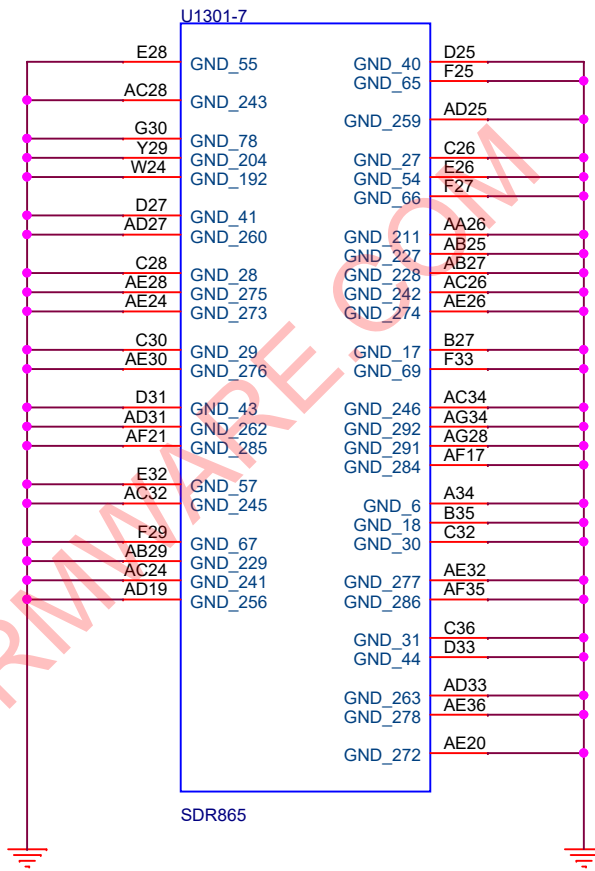
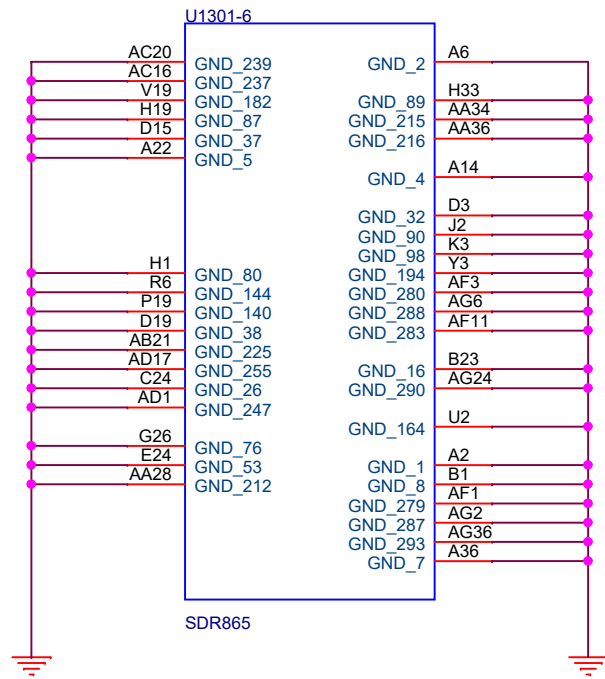
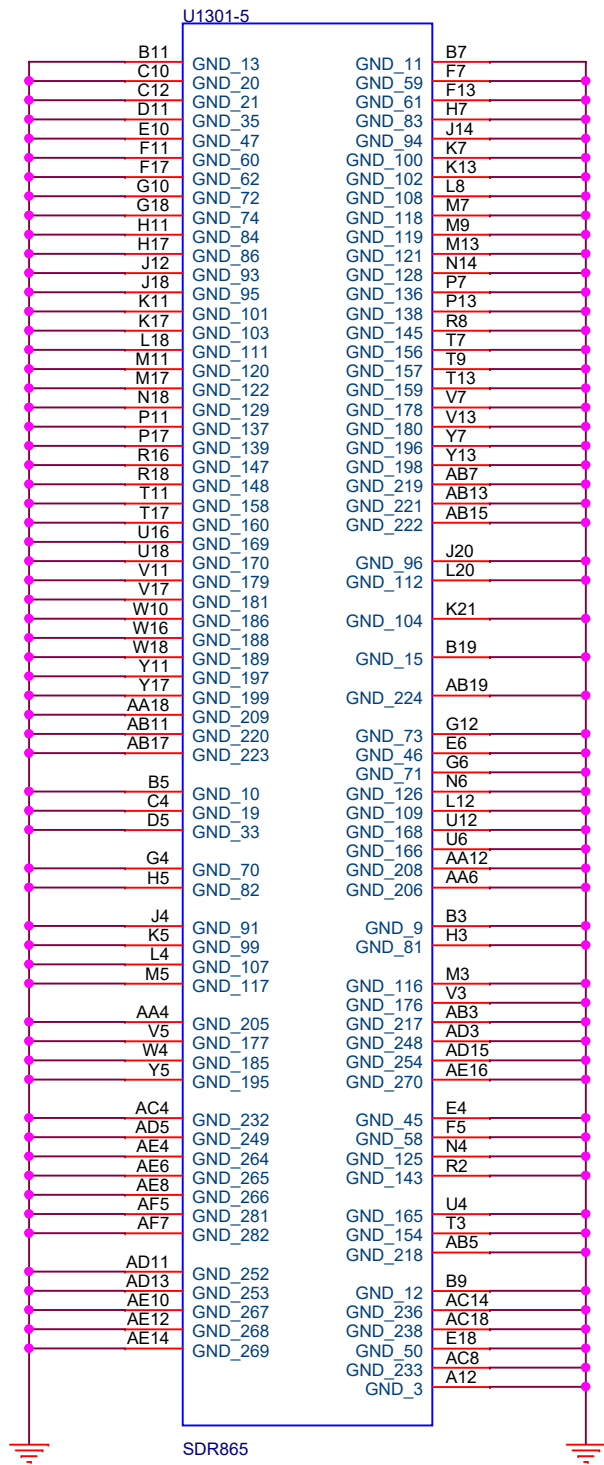
WWW.MOBIFIRMWARE.COM

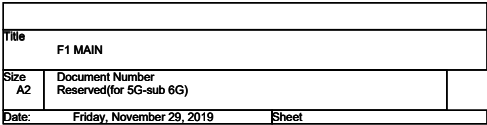
Title		
F1 MAIN		
Size	Document Number	
A3	Reserved(for LNA)	
Date:	Friday, November 29, 2019	Sheet





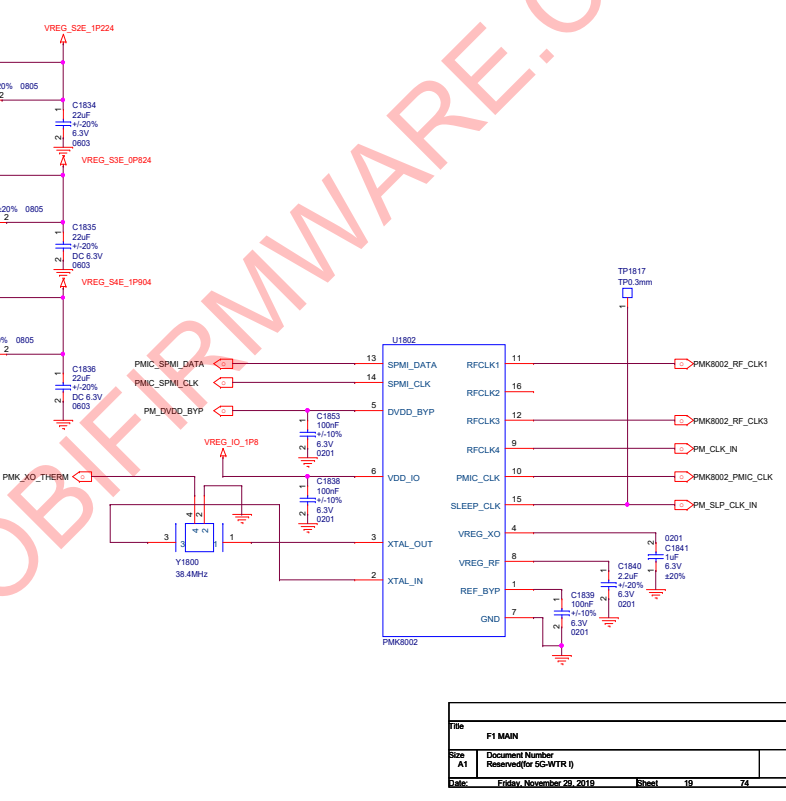
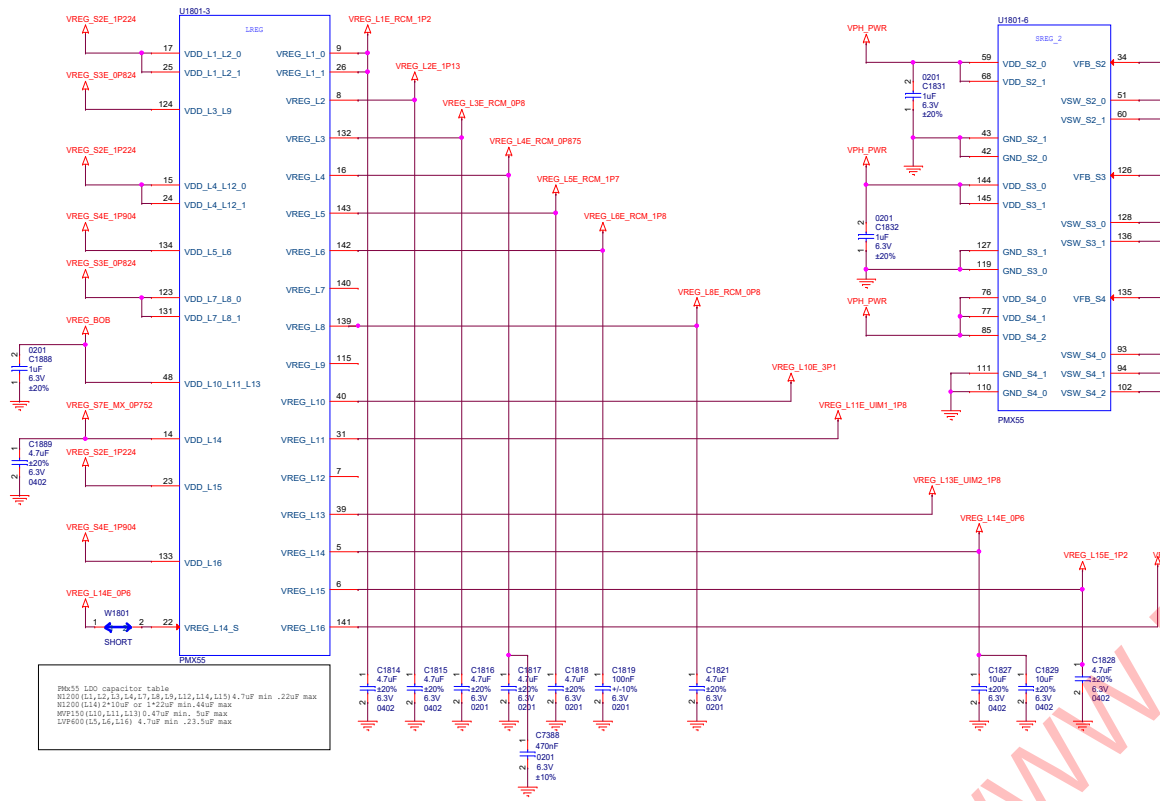
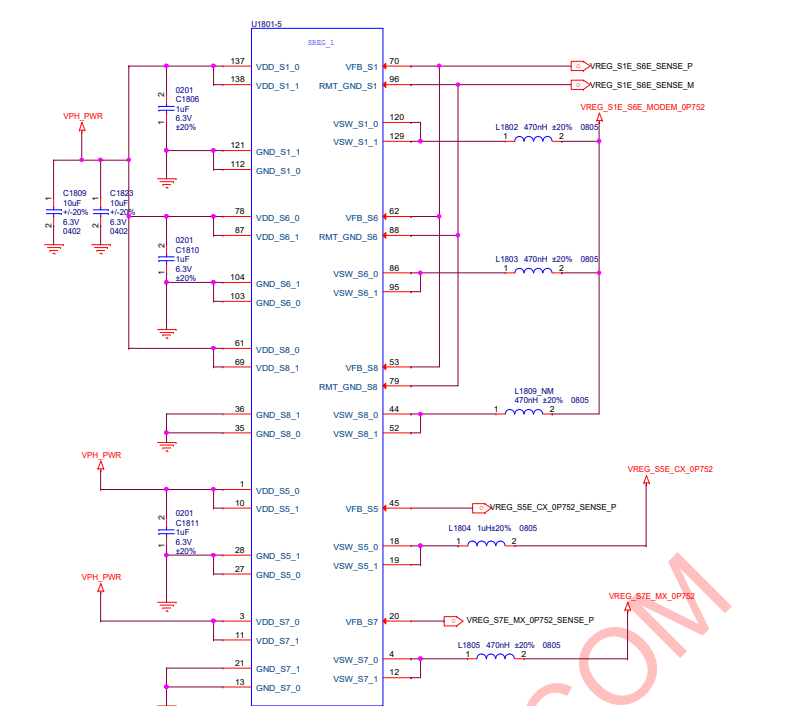
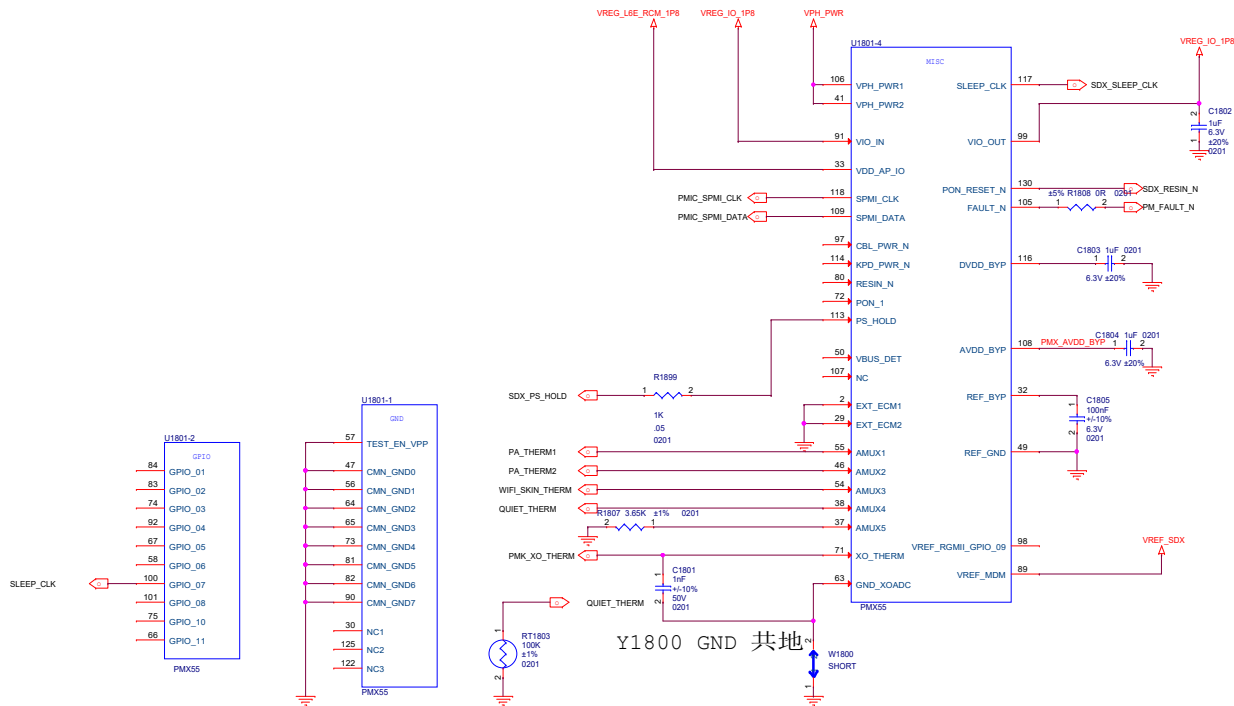




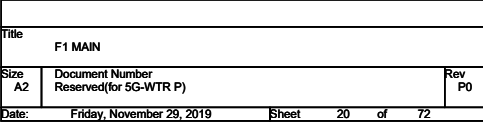






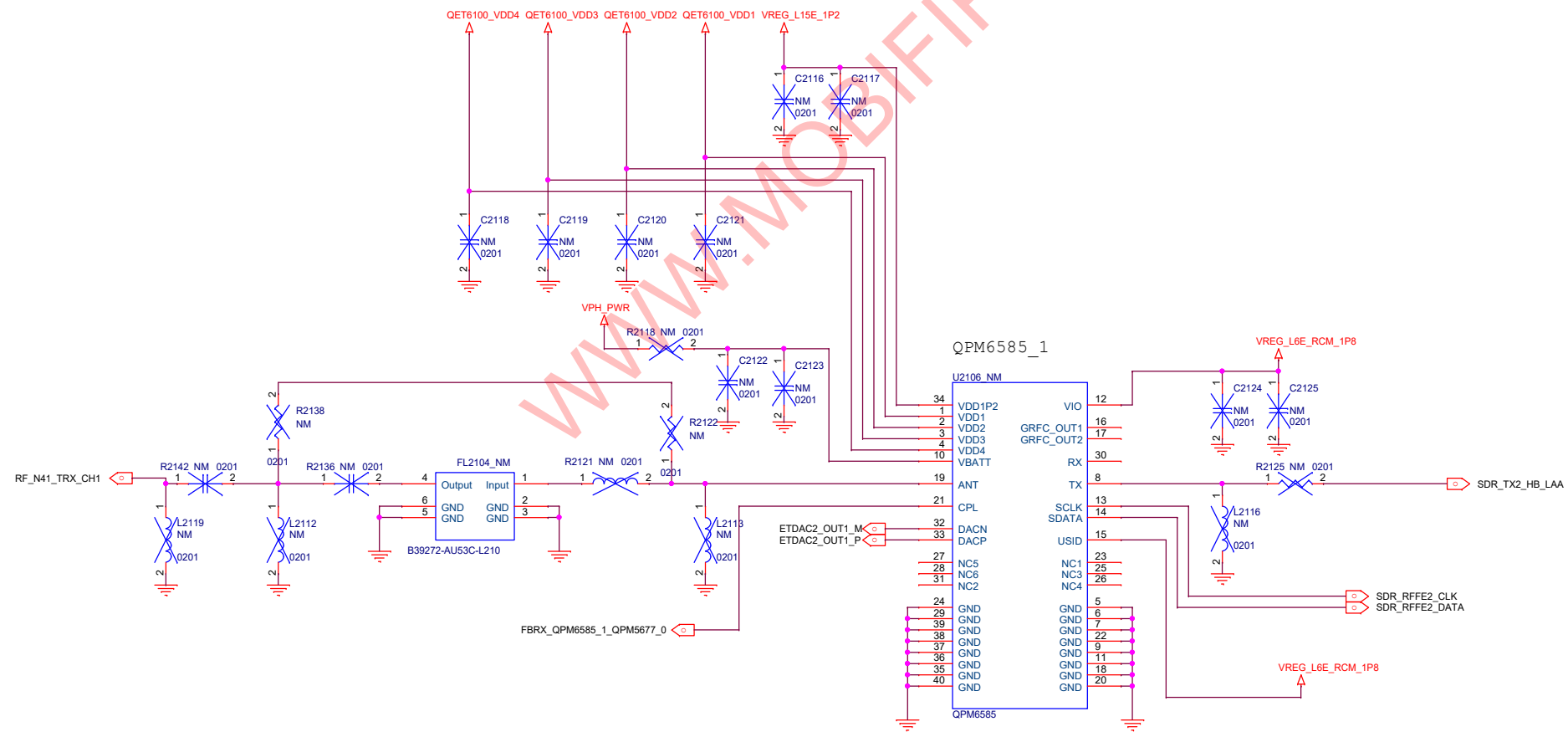
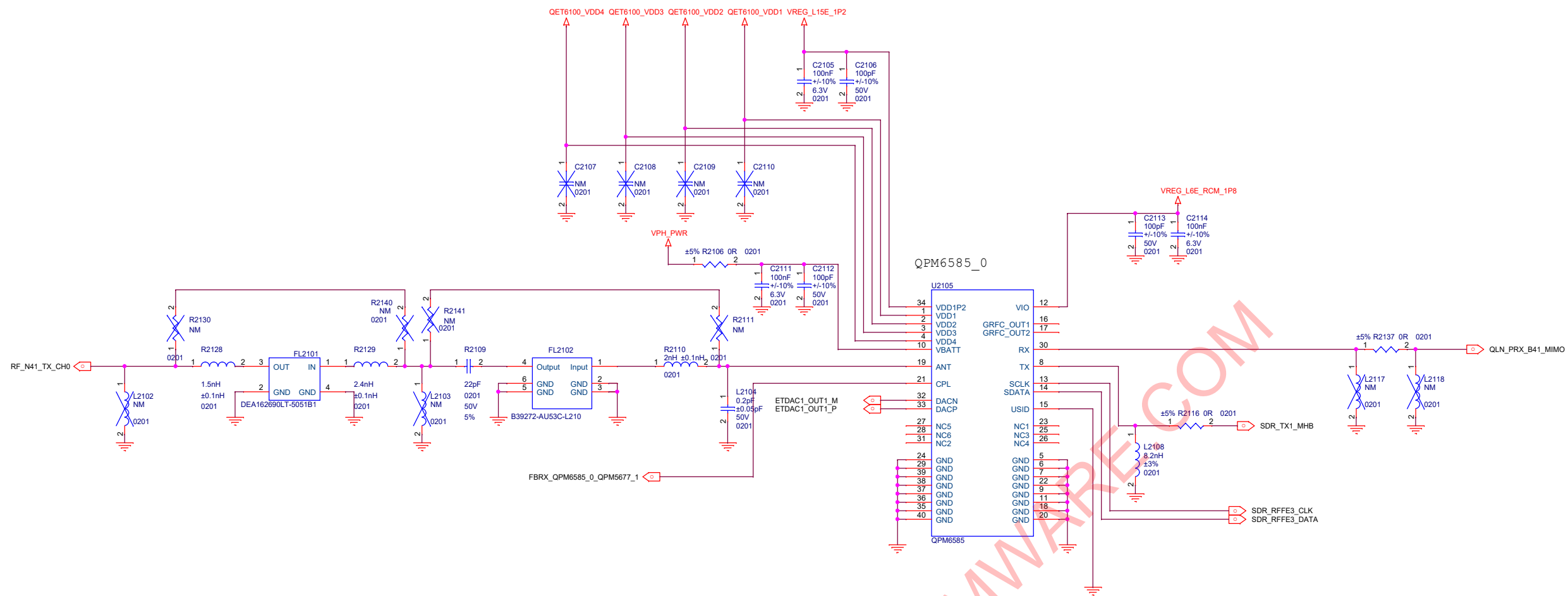


File	F1 MAIN
Rev	Document Number
A1	Reserved (for SG-WTR)
Date	Friday, November 29, 2019
Sheet	19
74	



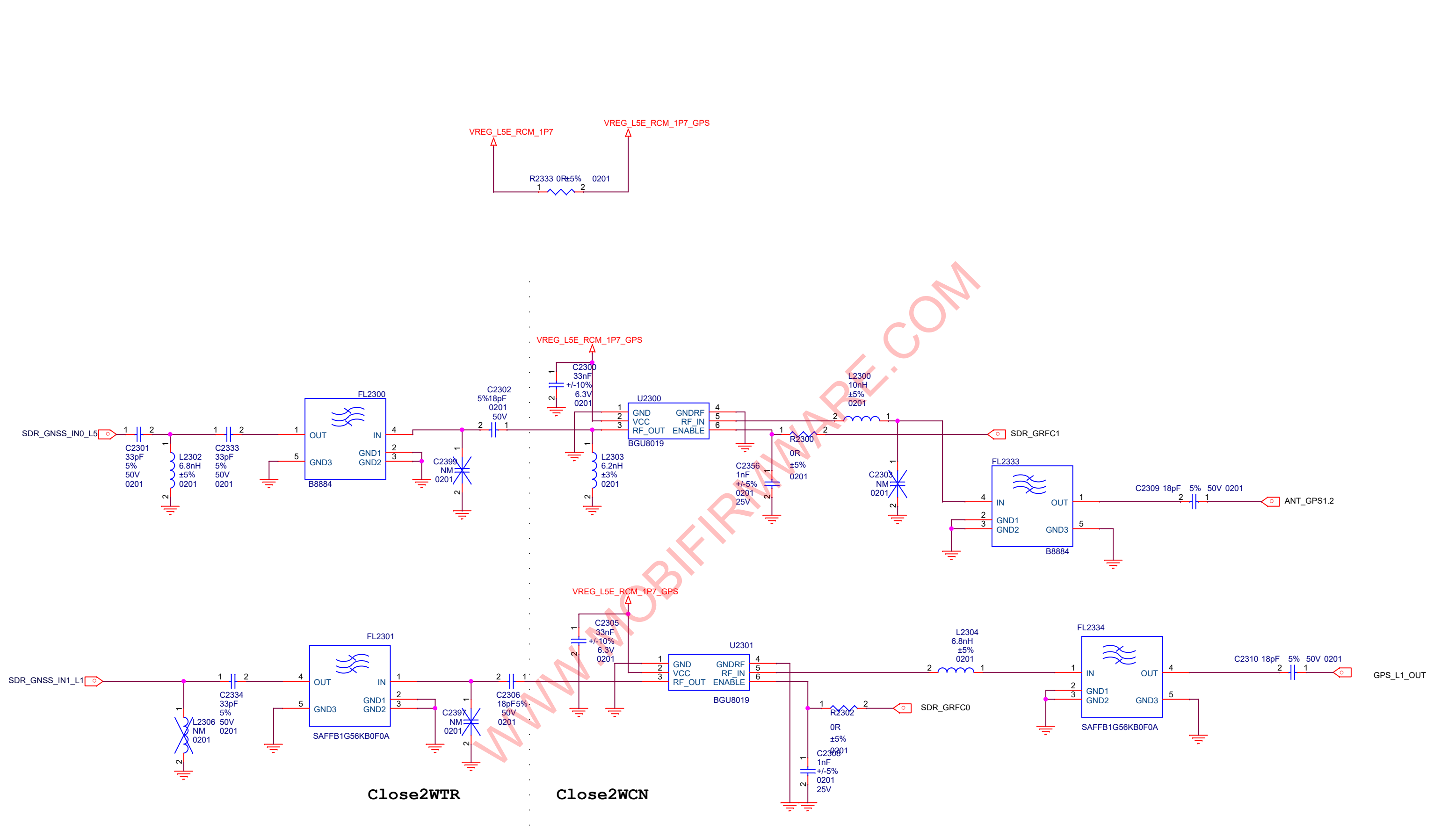


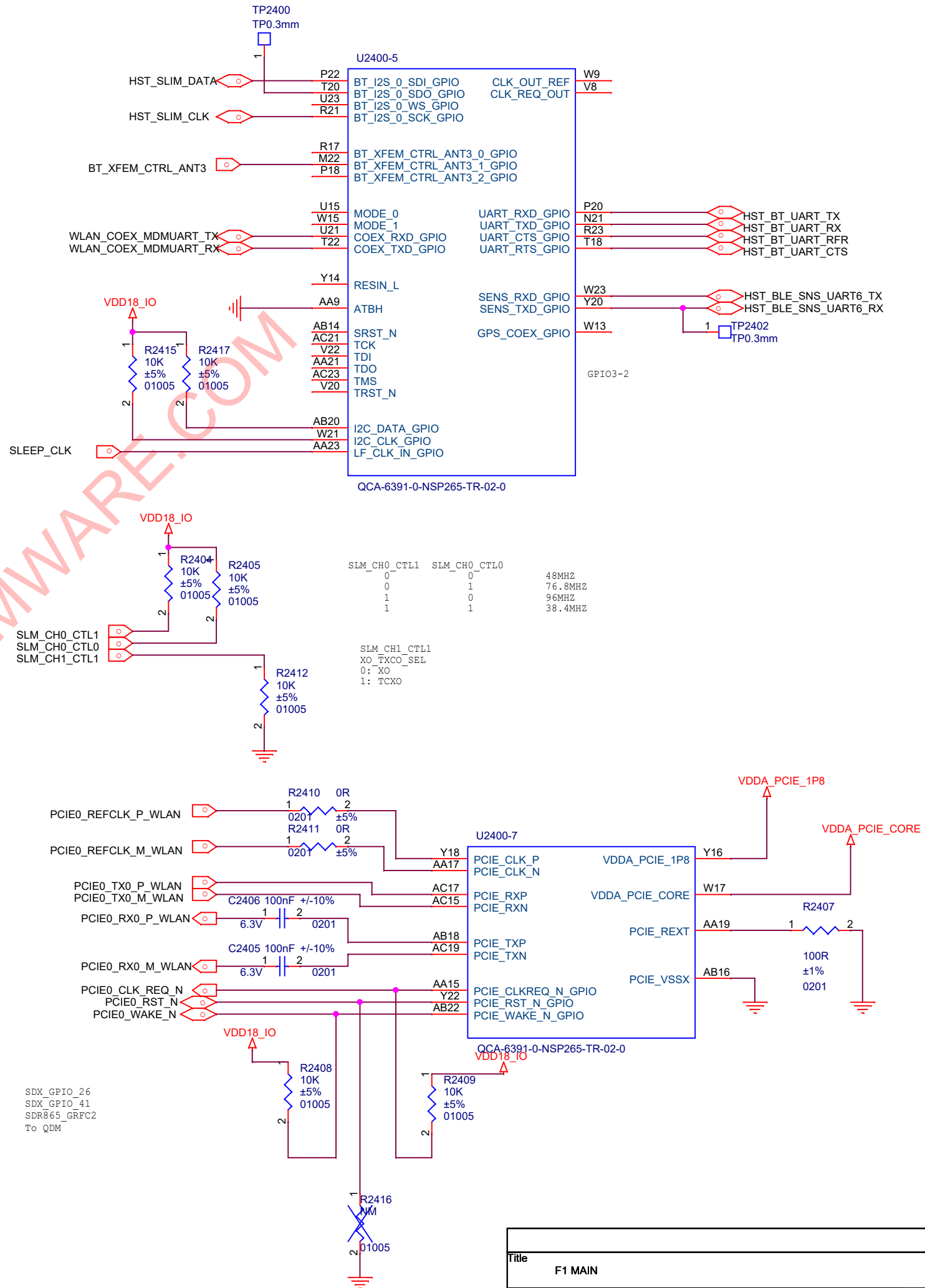
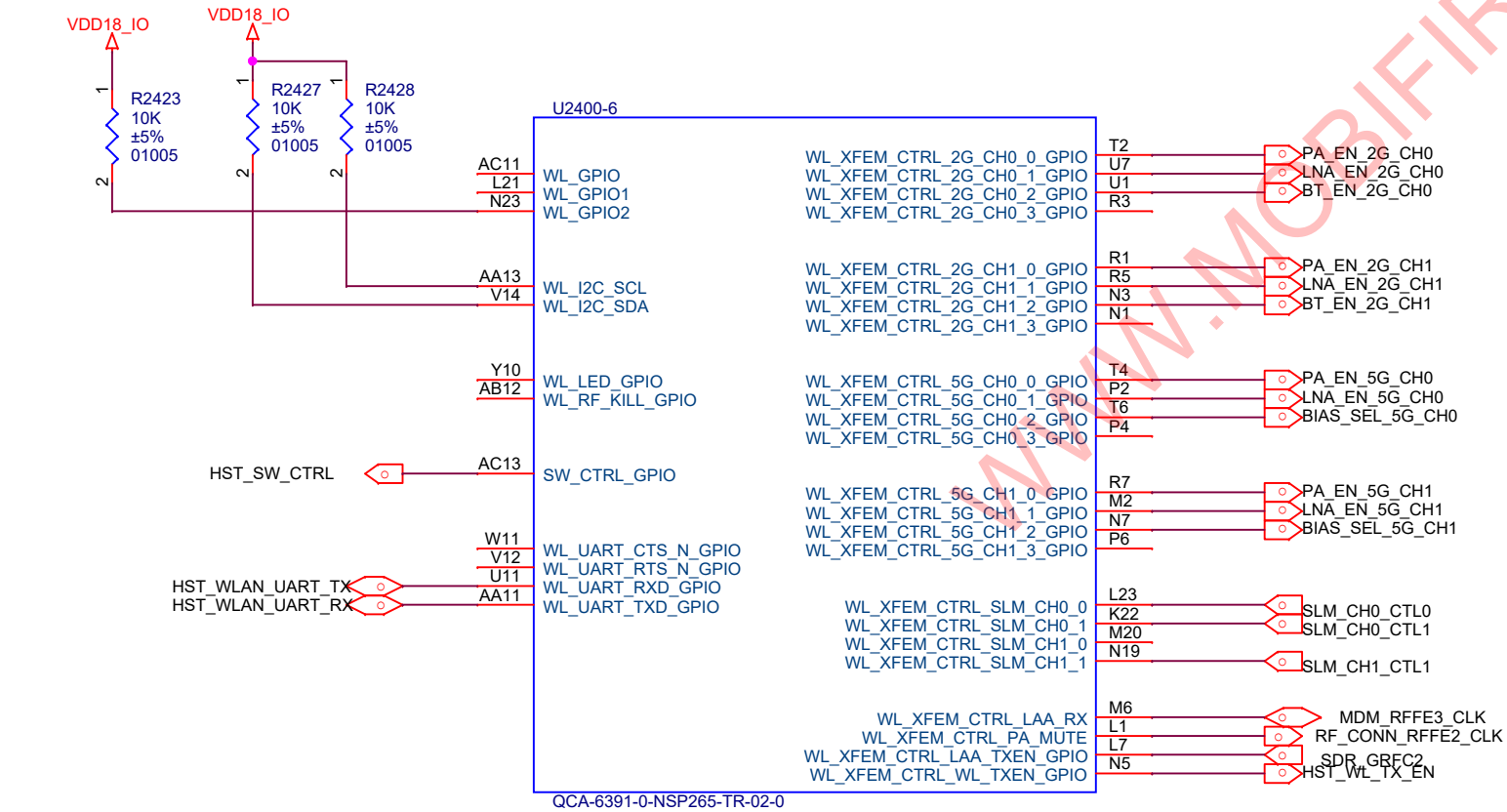
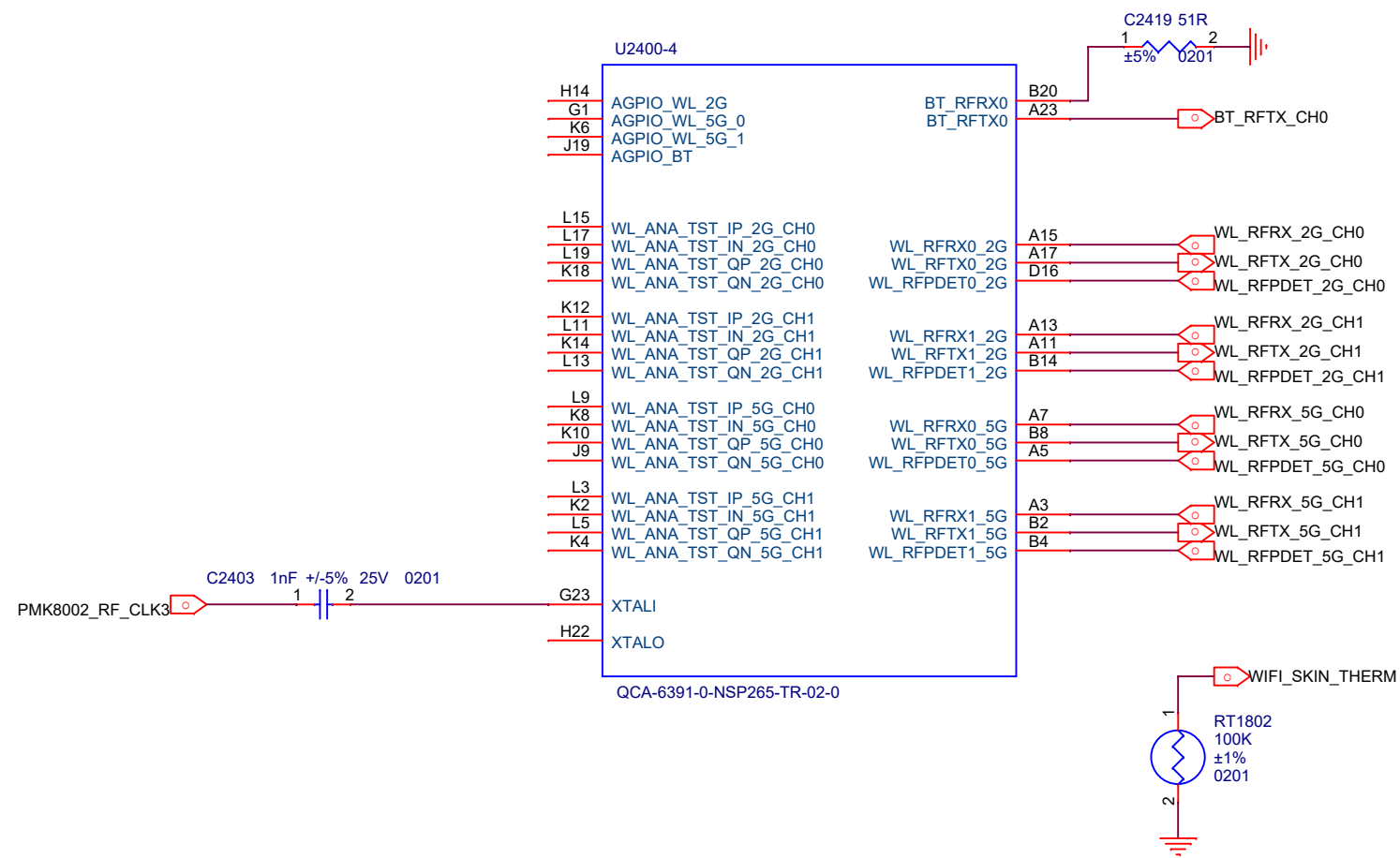




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Title		
F1 MAIN		
Size	Document Number	
A3	Reserved(for PA)	
Date:	Friday, November 29, 2019	Sheet

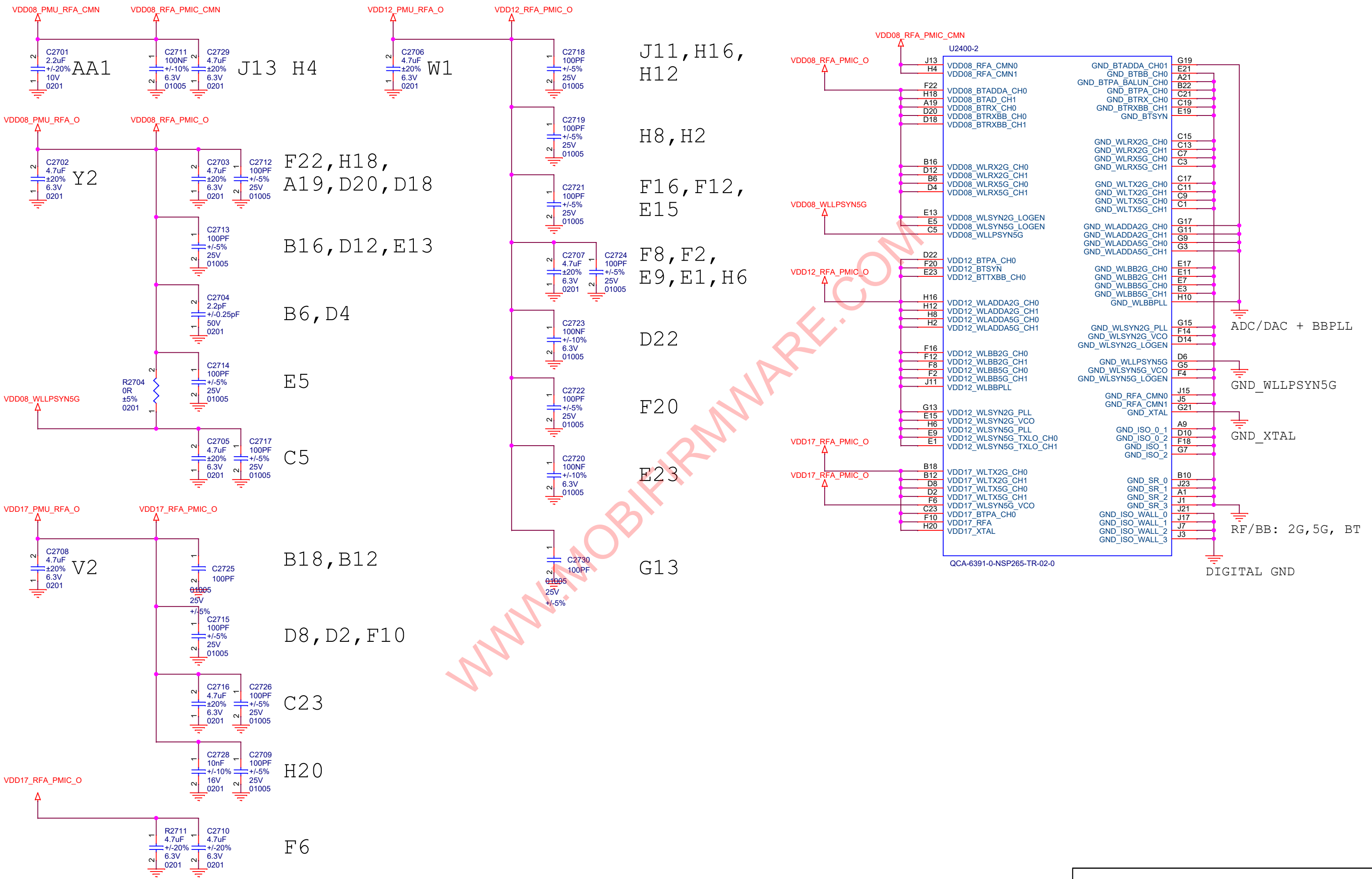










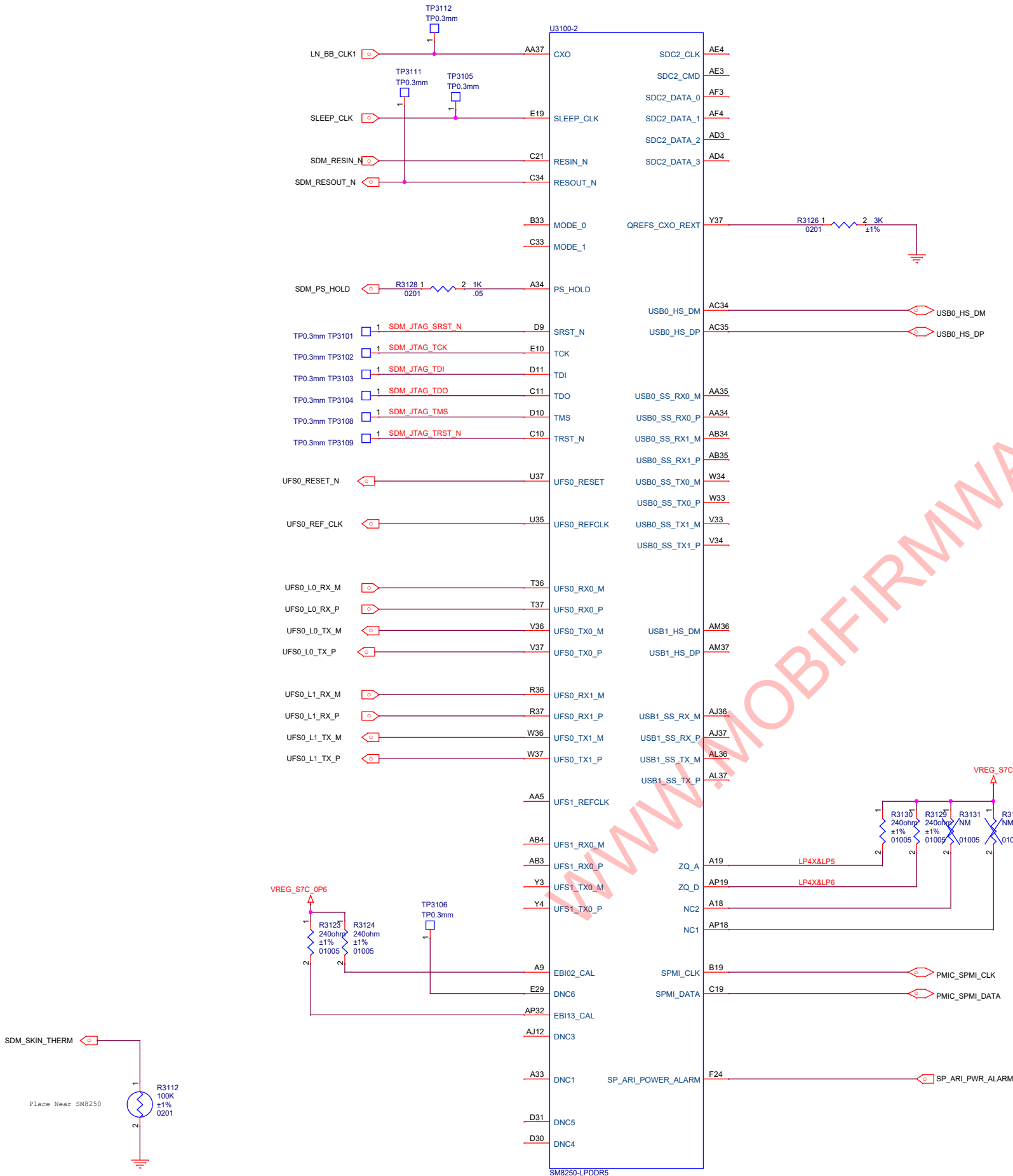


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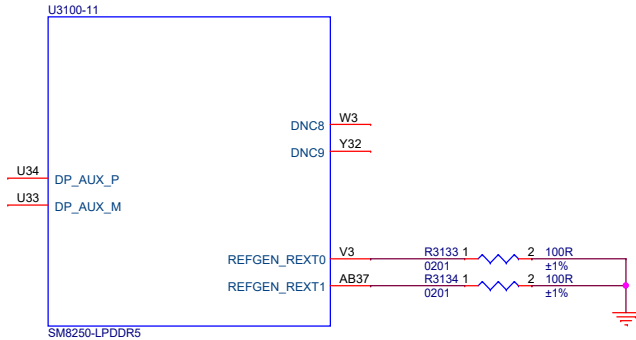
WWW.MOBIFIRMWARE.COM

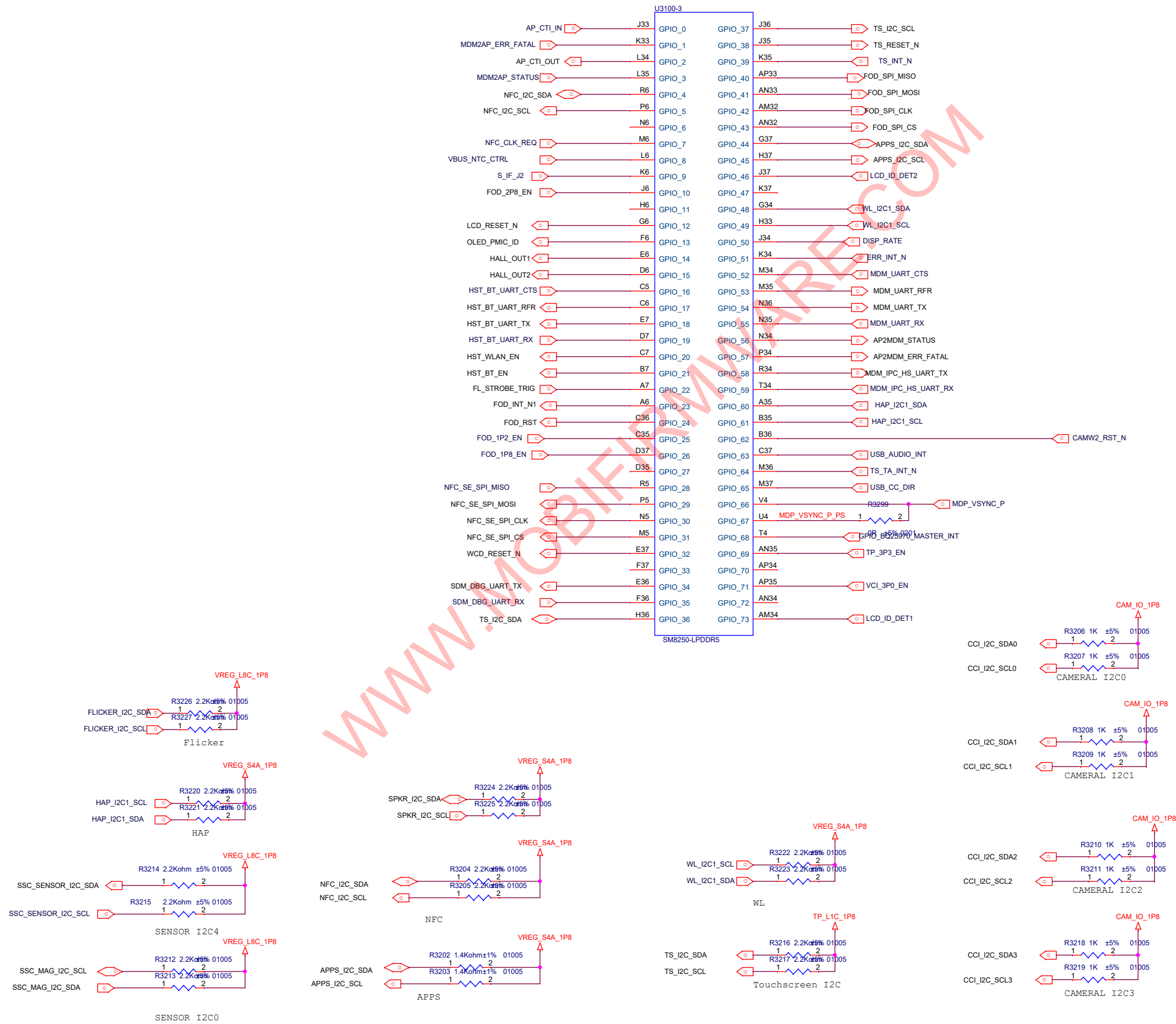
WWW.MOBIFIRMWARE.COM

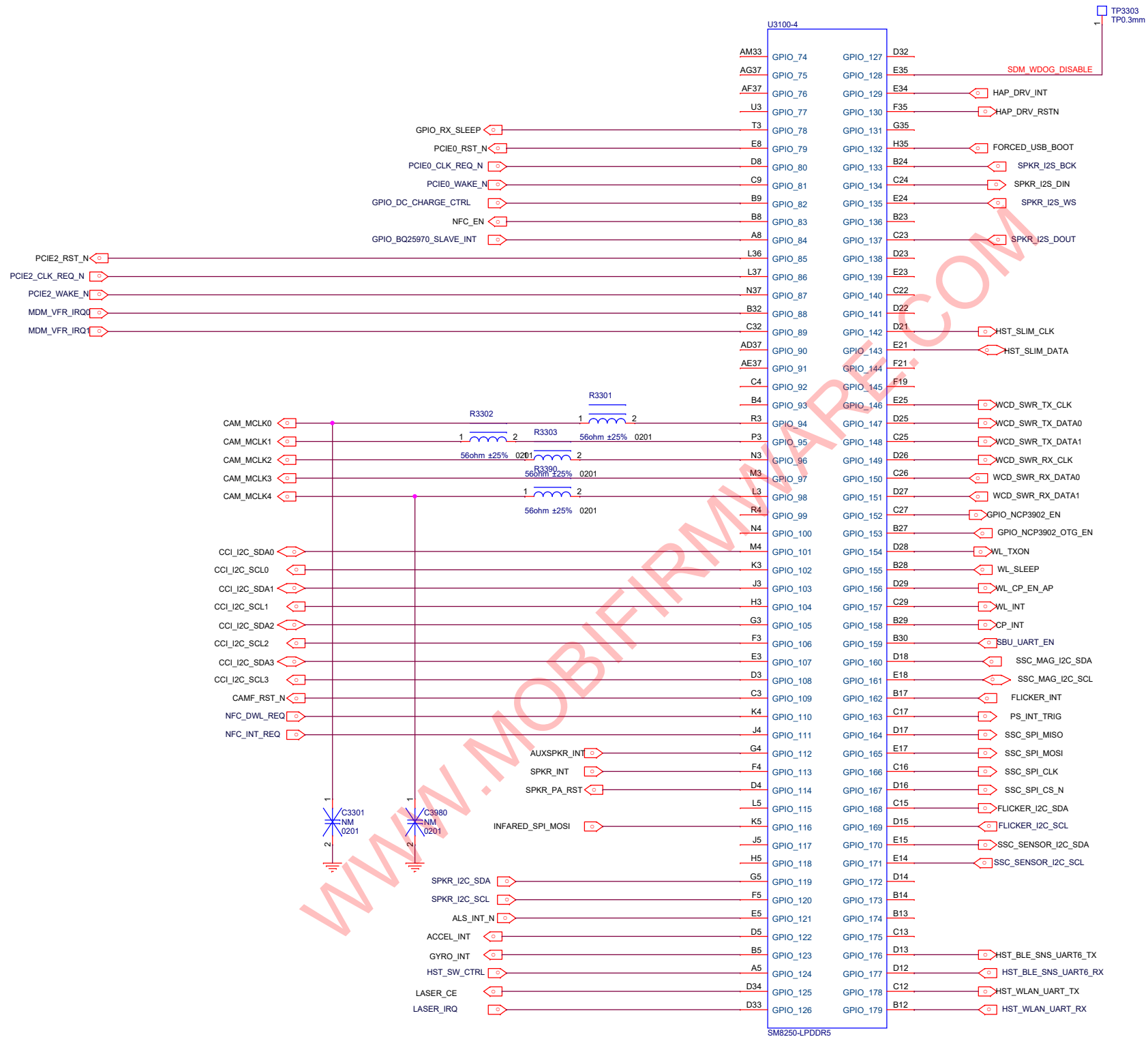
We use current SM8250 symbol as LP5 PKG, and it can be compatible with LP4x PKG



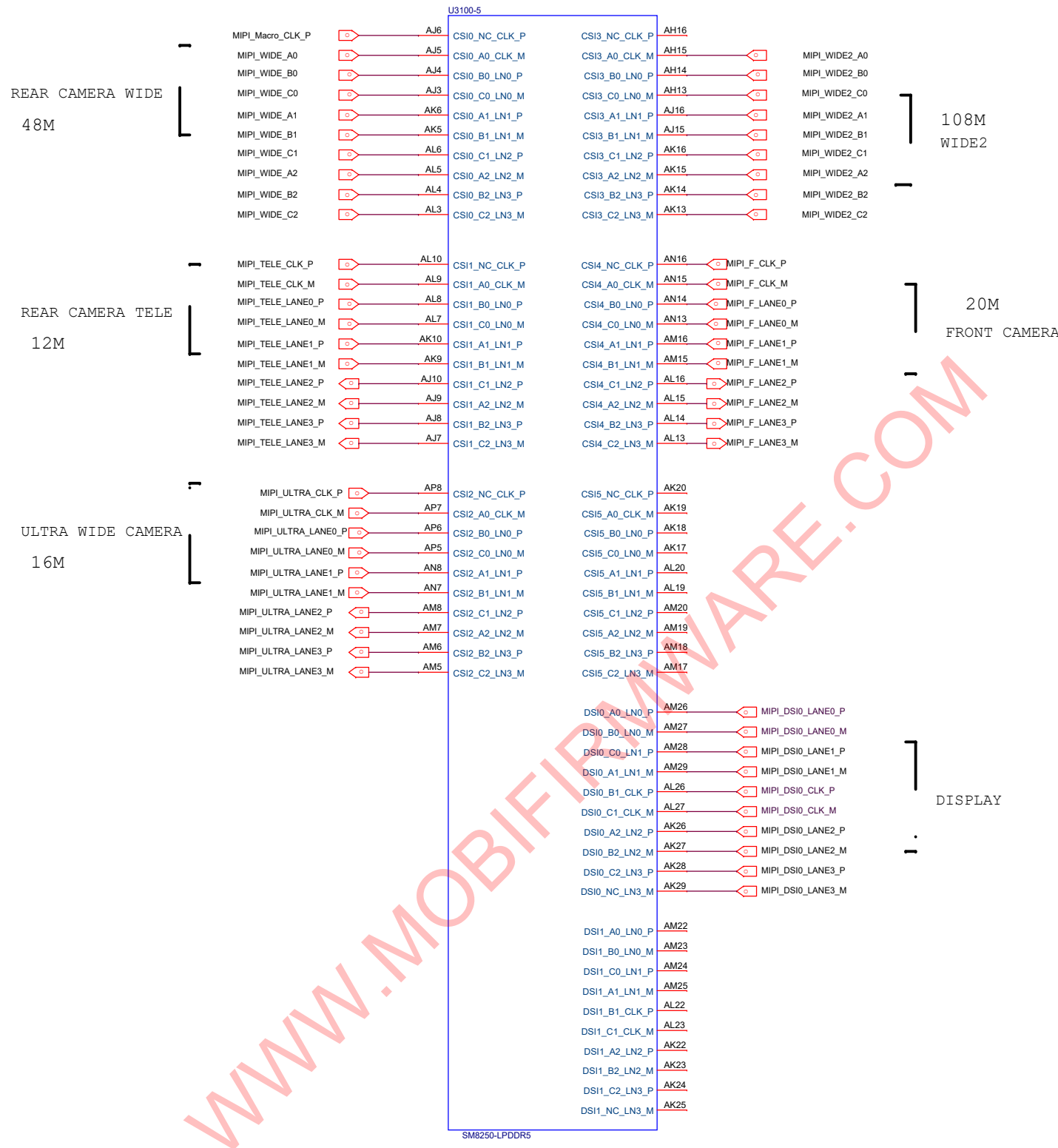
Place all ZQ resistors close to SDM  
SM8250 LP5: DNI R3131/R3132, and mount R3129/R3130  
SM8250 LP4: Mount R3129/R3130/R3131/R3132

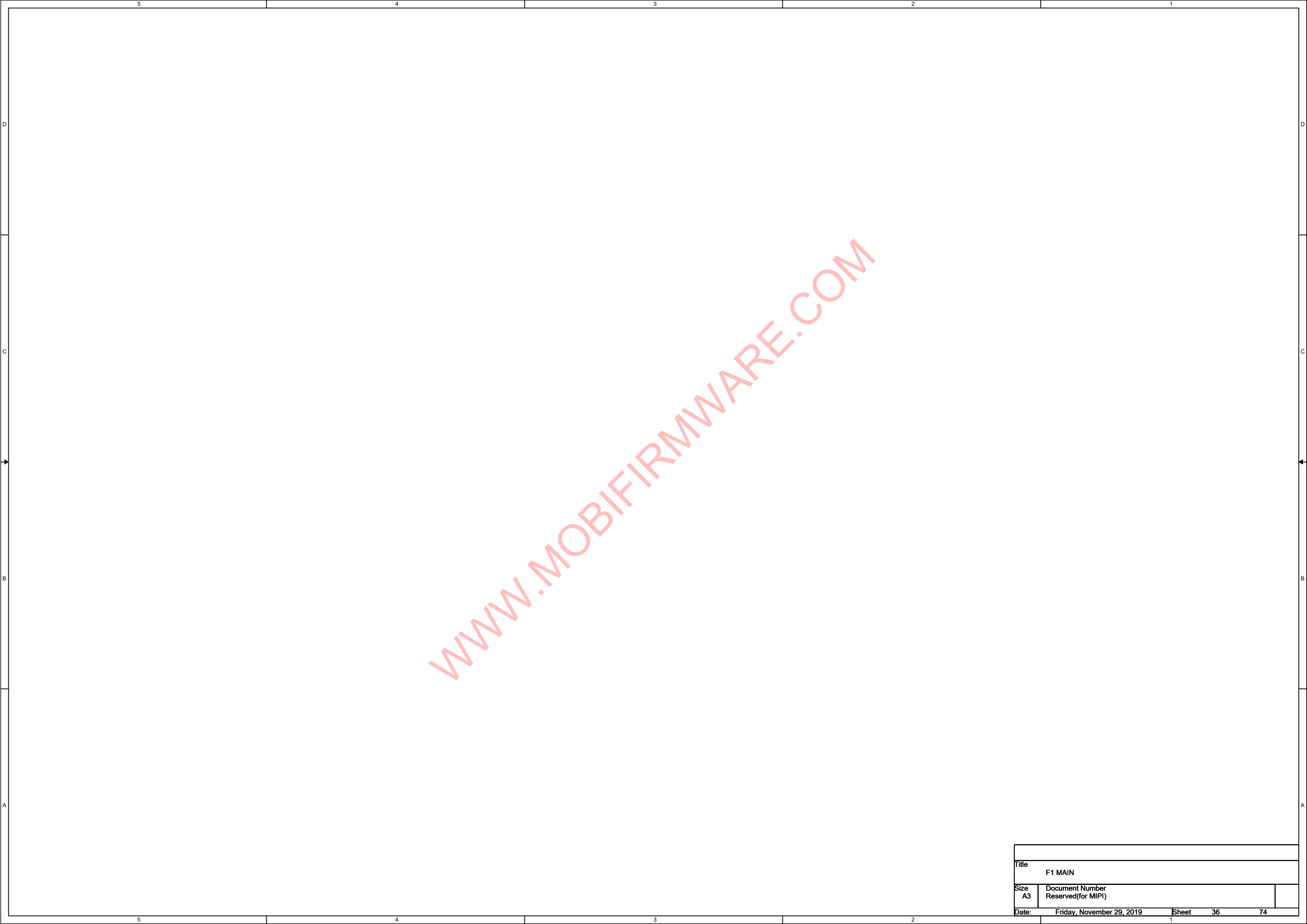






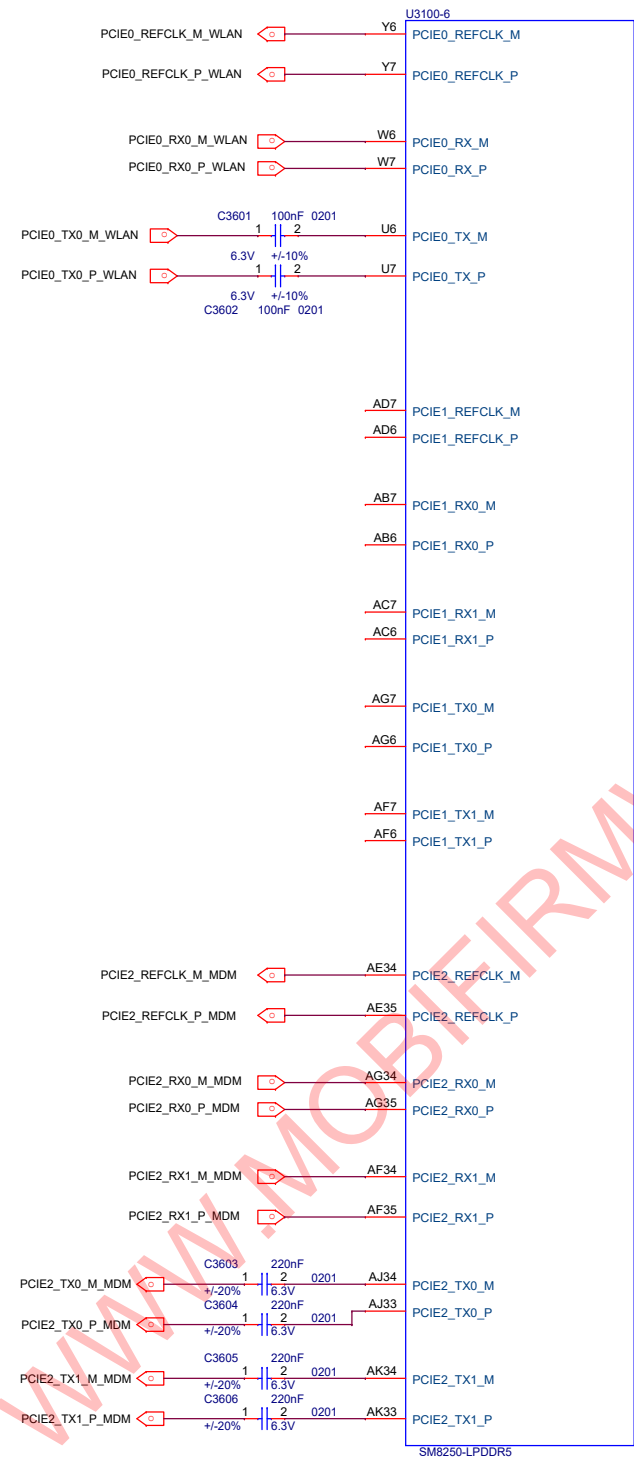


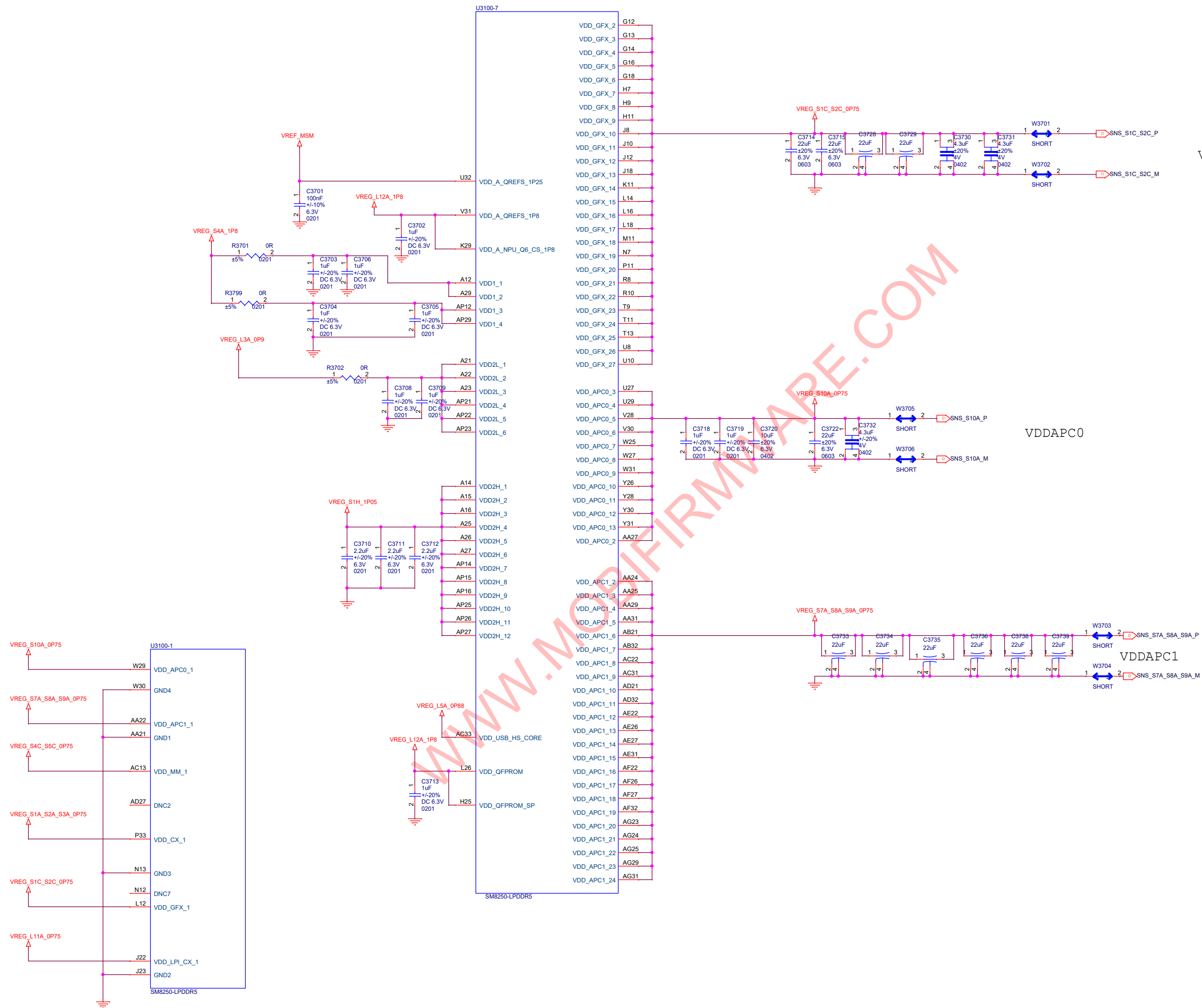


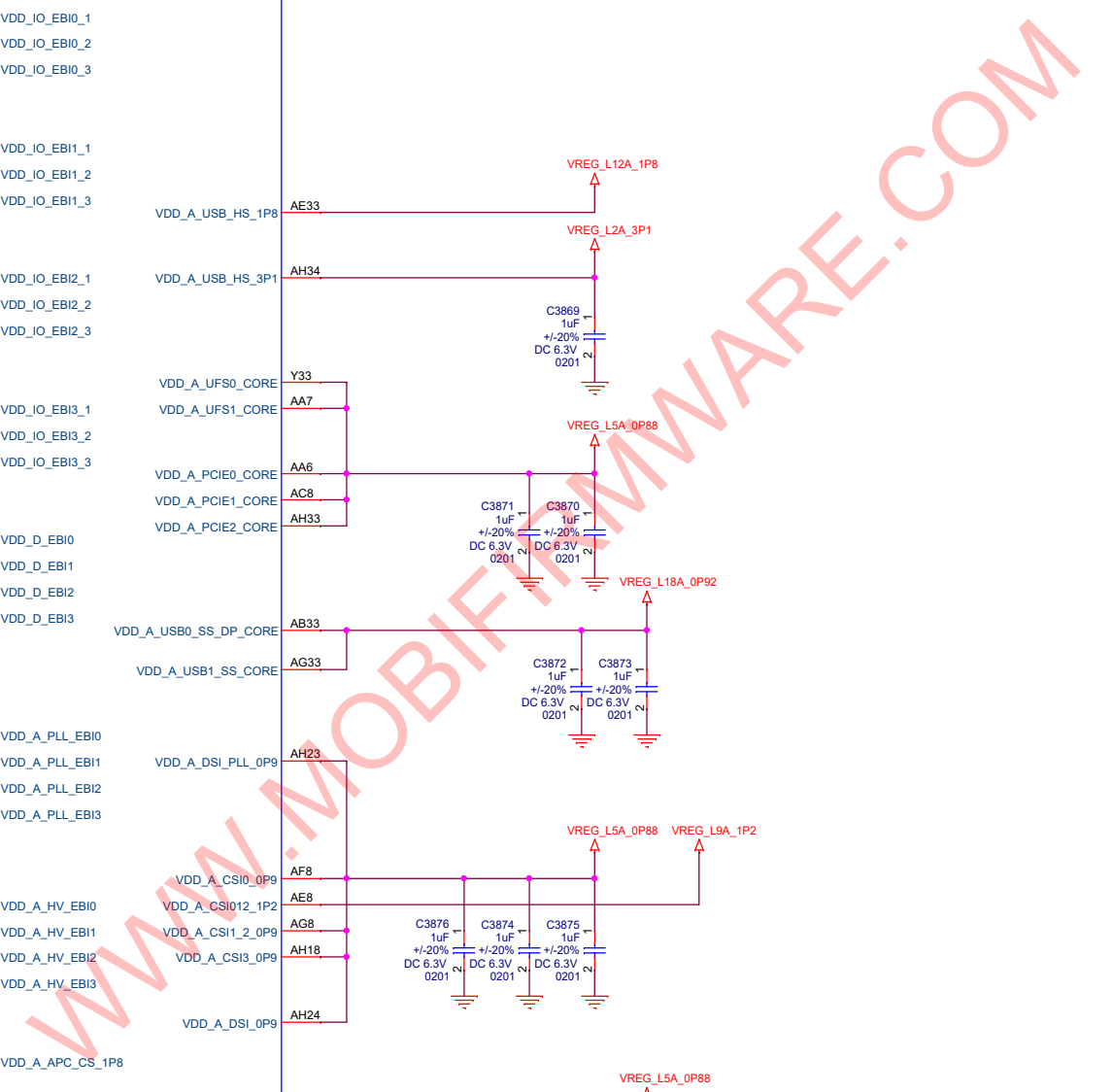


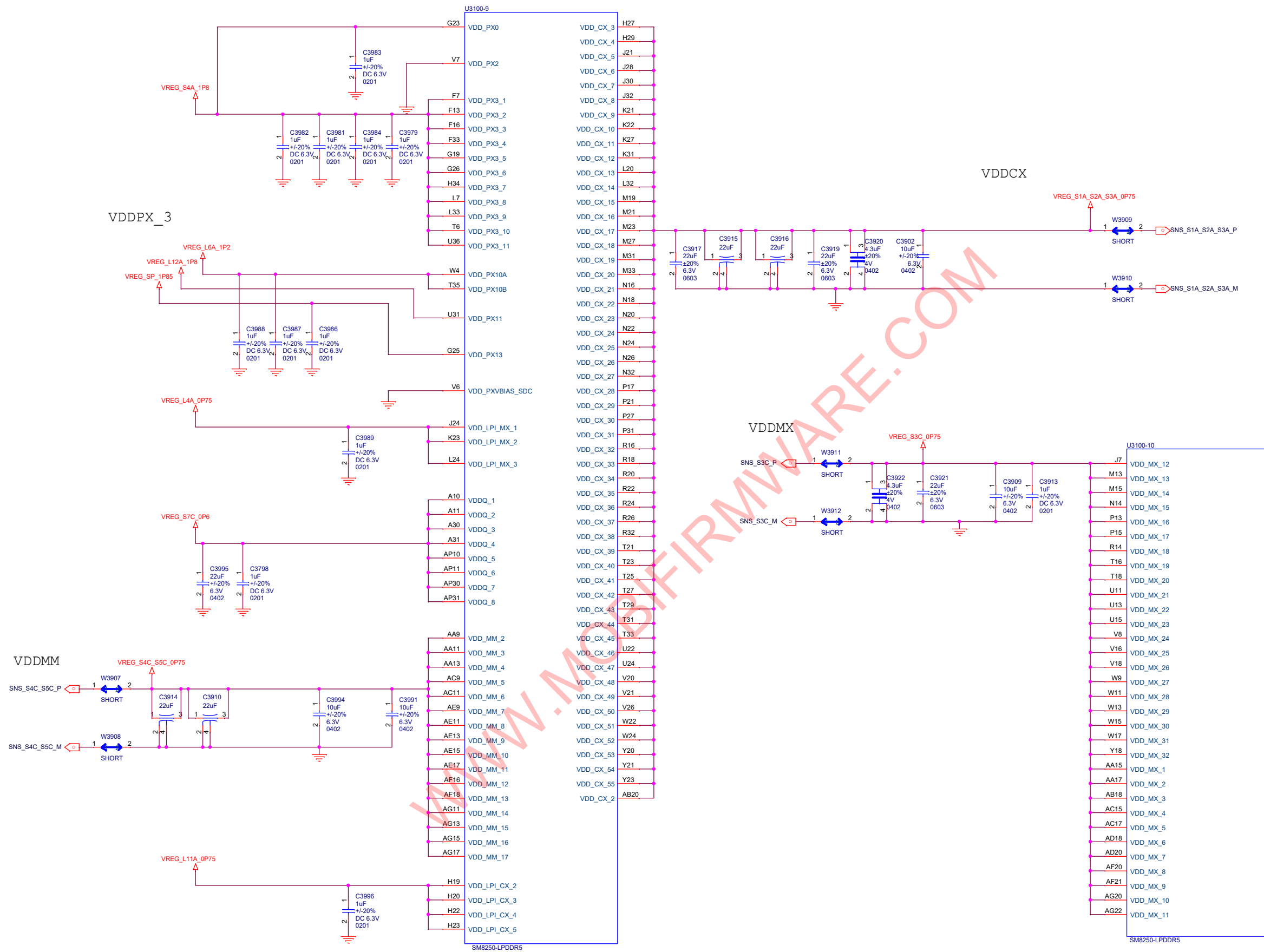
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D				D
C				C
B				B
A				A

Title			
F1 MAIN			
Size	Document Number		
A3	Reserved(for MIPI)		
Date:	Friday, November 29, 2019	Sheet	36 74



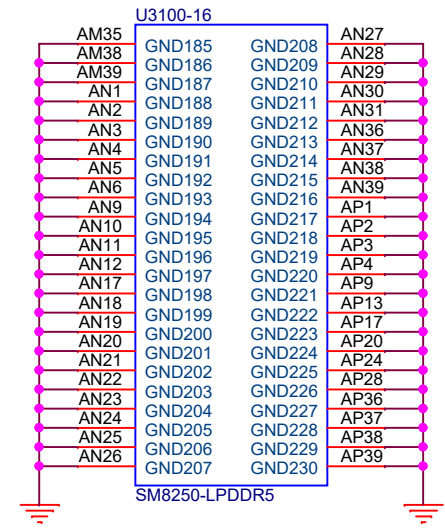
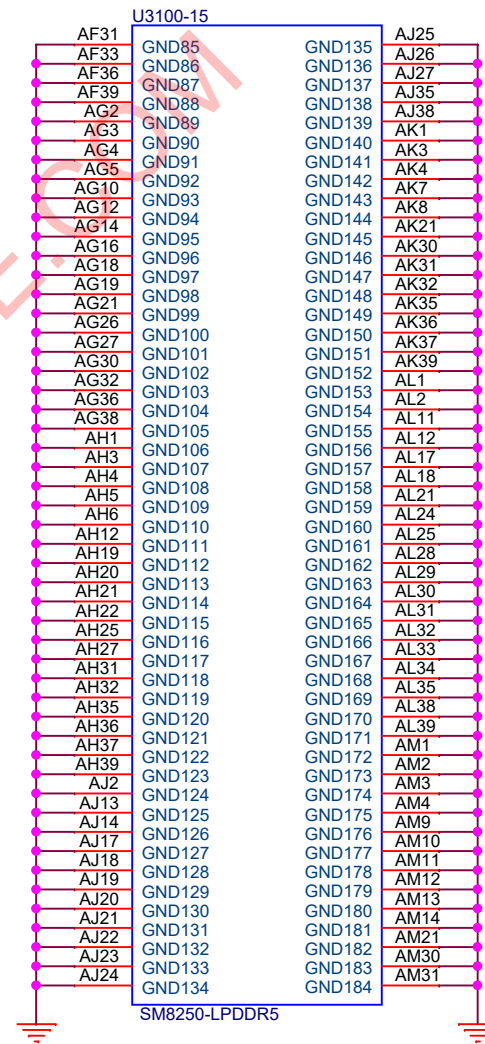
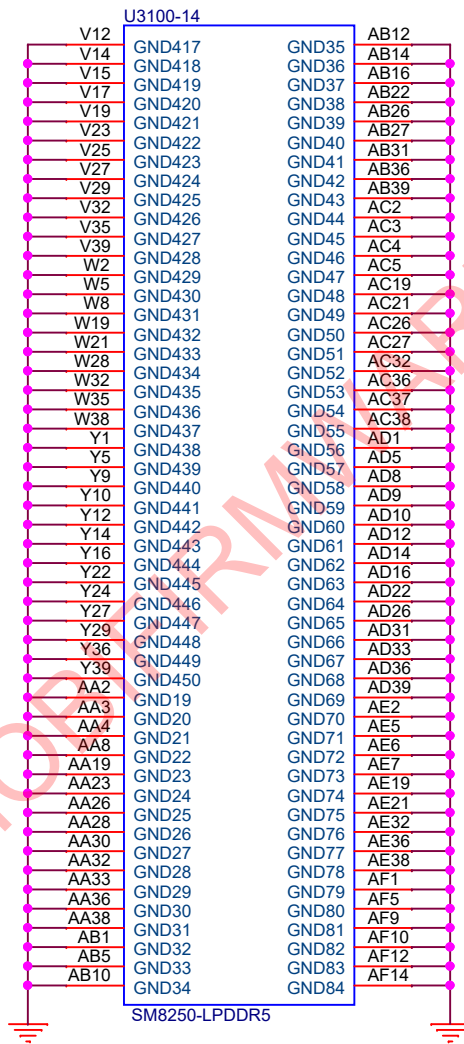
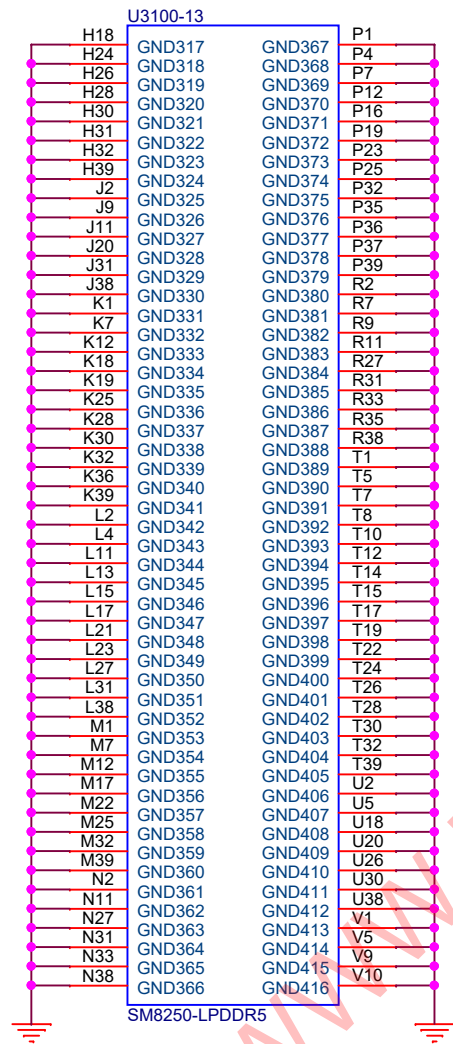
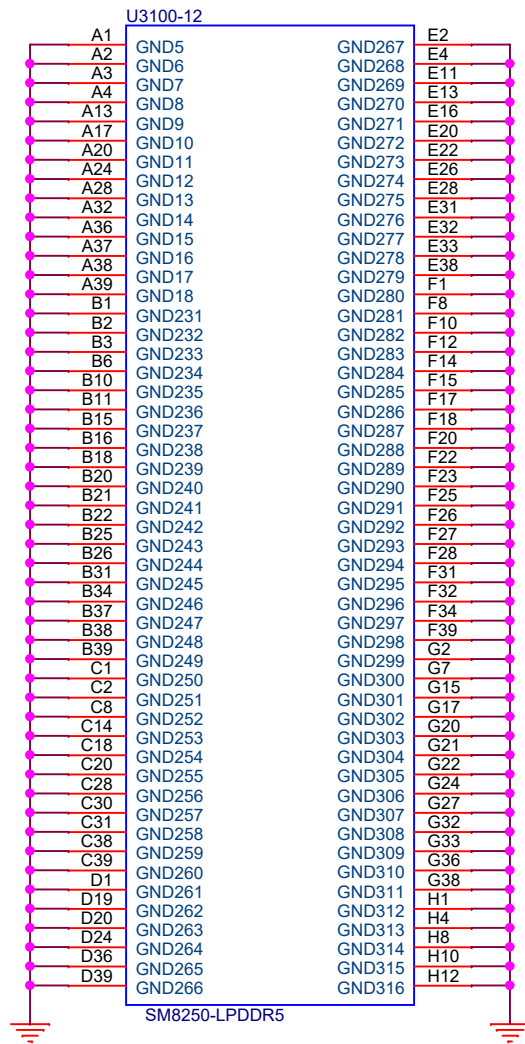






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Title		
F1 MAIN		
Size	Document Number	
A3	SDM855 PWR4	
Date:	Friday, November 29, 2019	Sheet 41 74







电容下主地

电容下主地

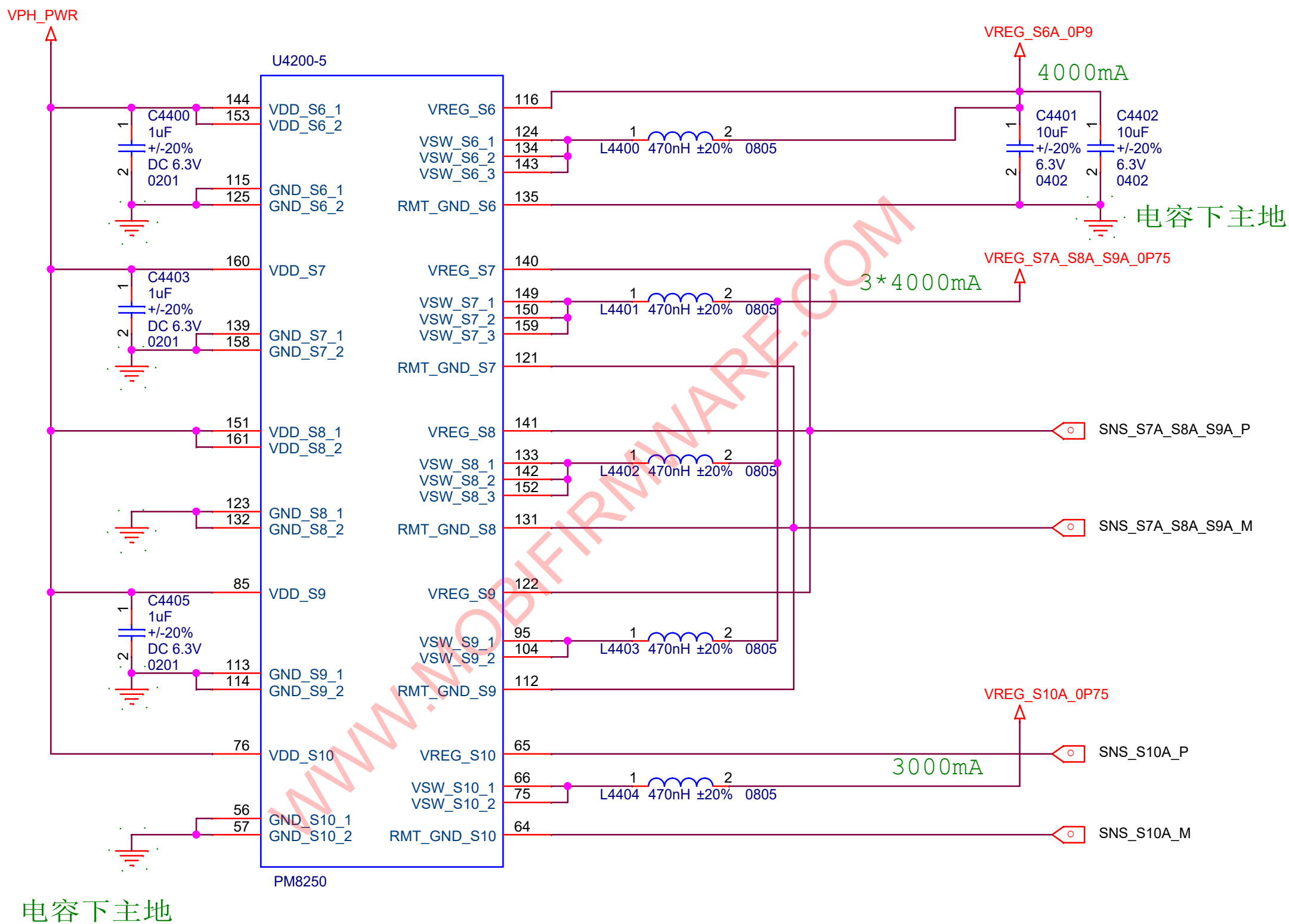
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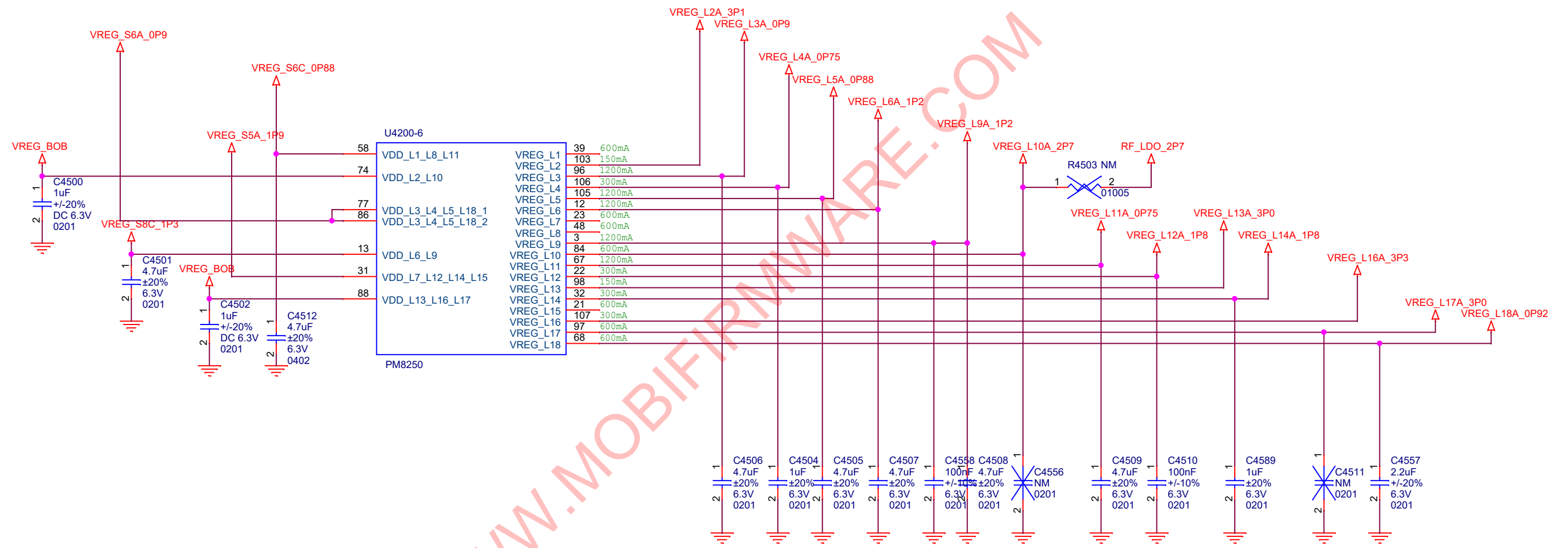
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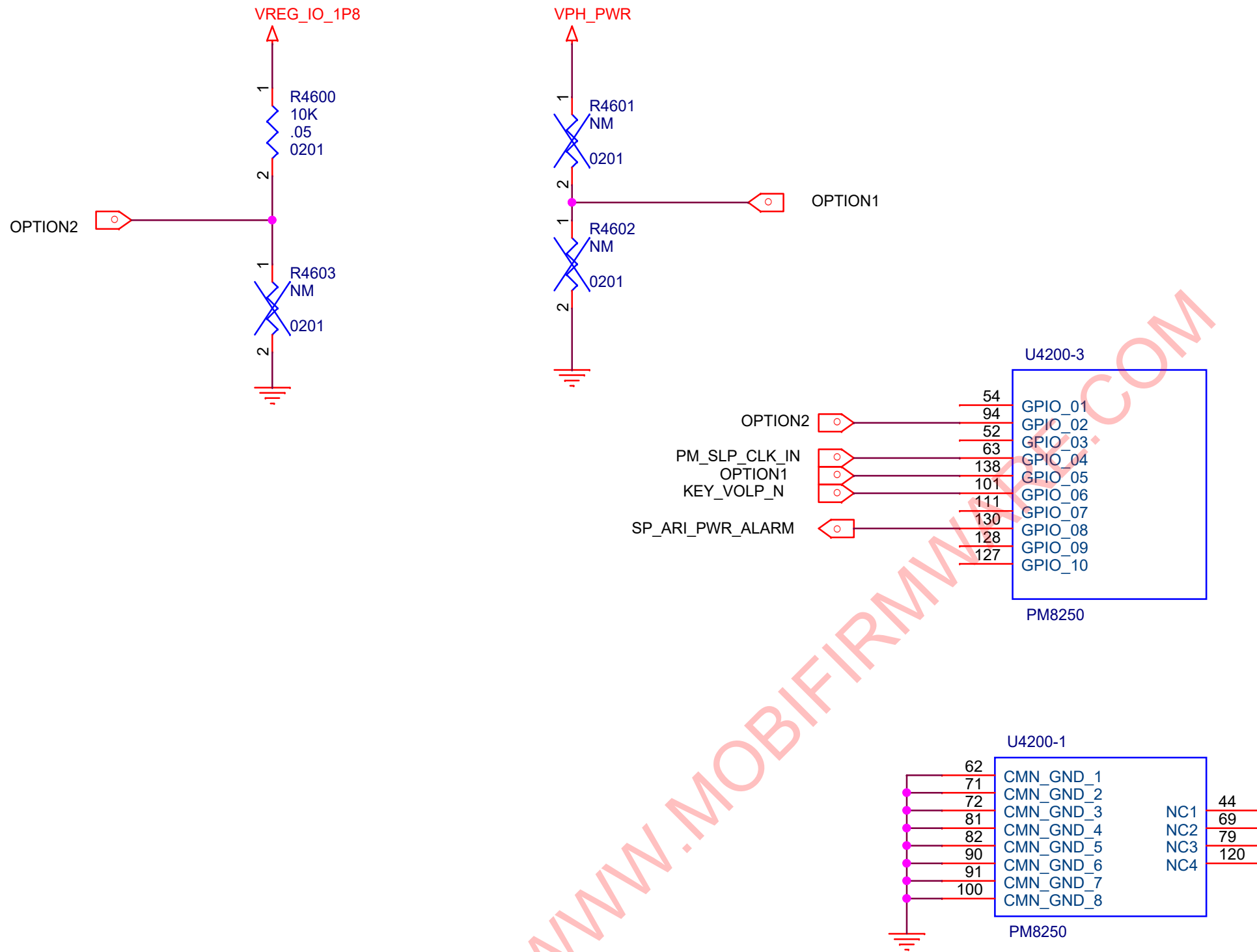
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F1 MAIN		
Size	Document Number	
A4	PM855 BUCK CONVERTER1	
Date:	Friday, November 29, 2019	Sheet 44

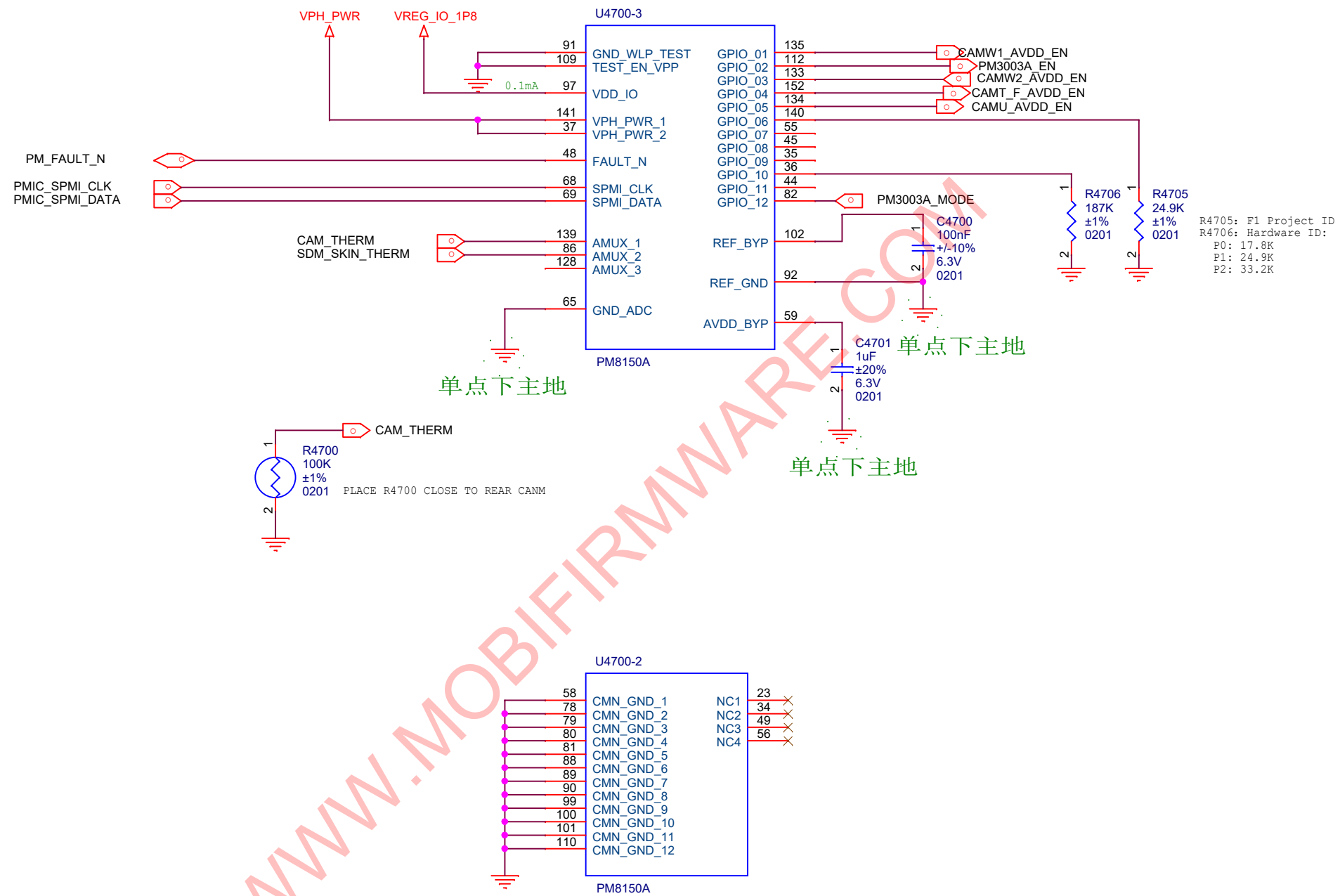
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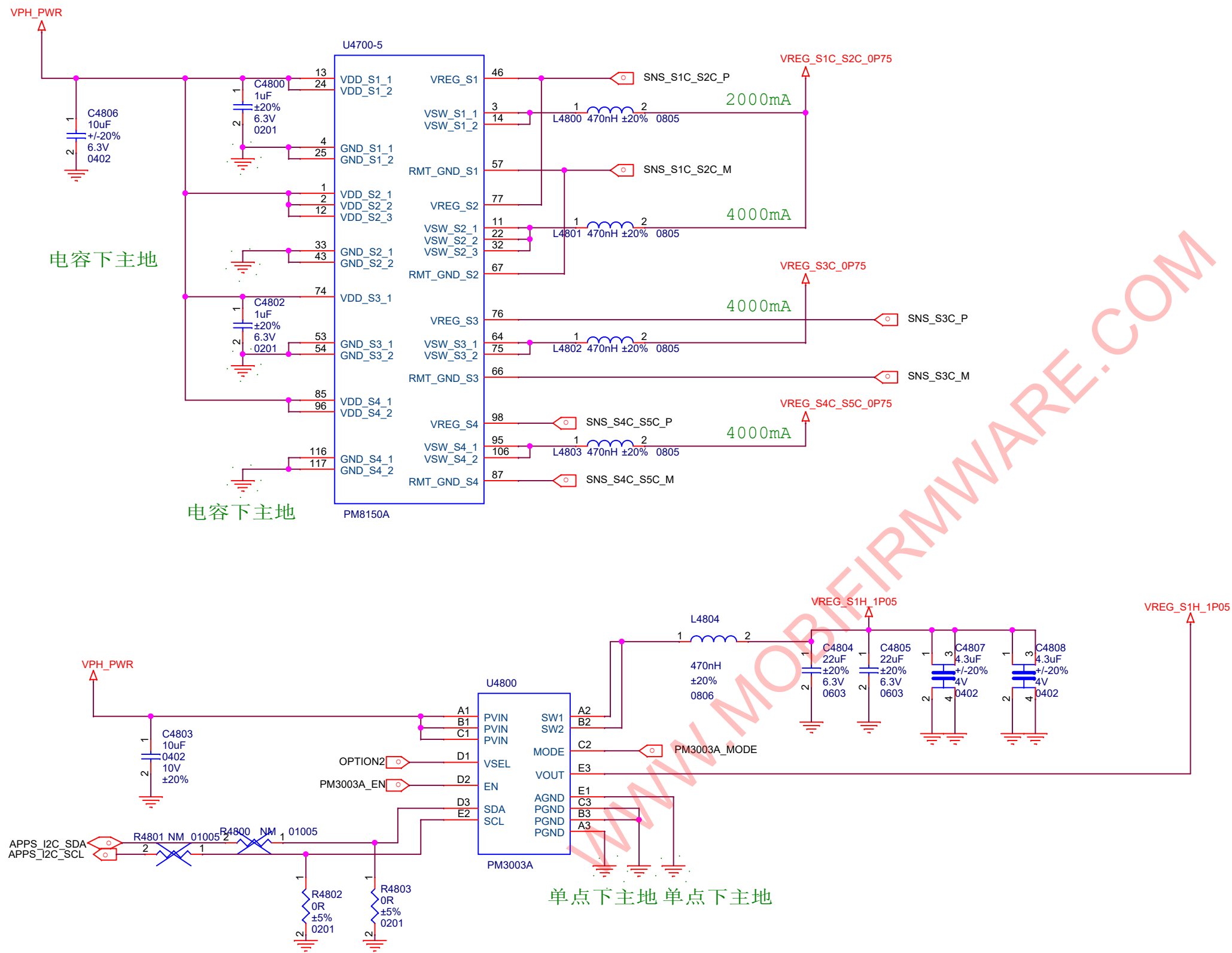


Title		
F1 MAIN		
Size	Document Number	
A4	PM855 BUCK CONVERTER2	
Date:	Friday, November 29, 2019	Sheet









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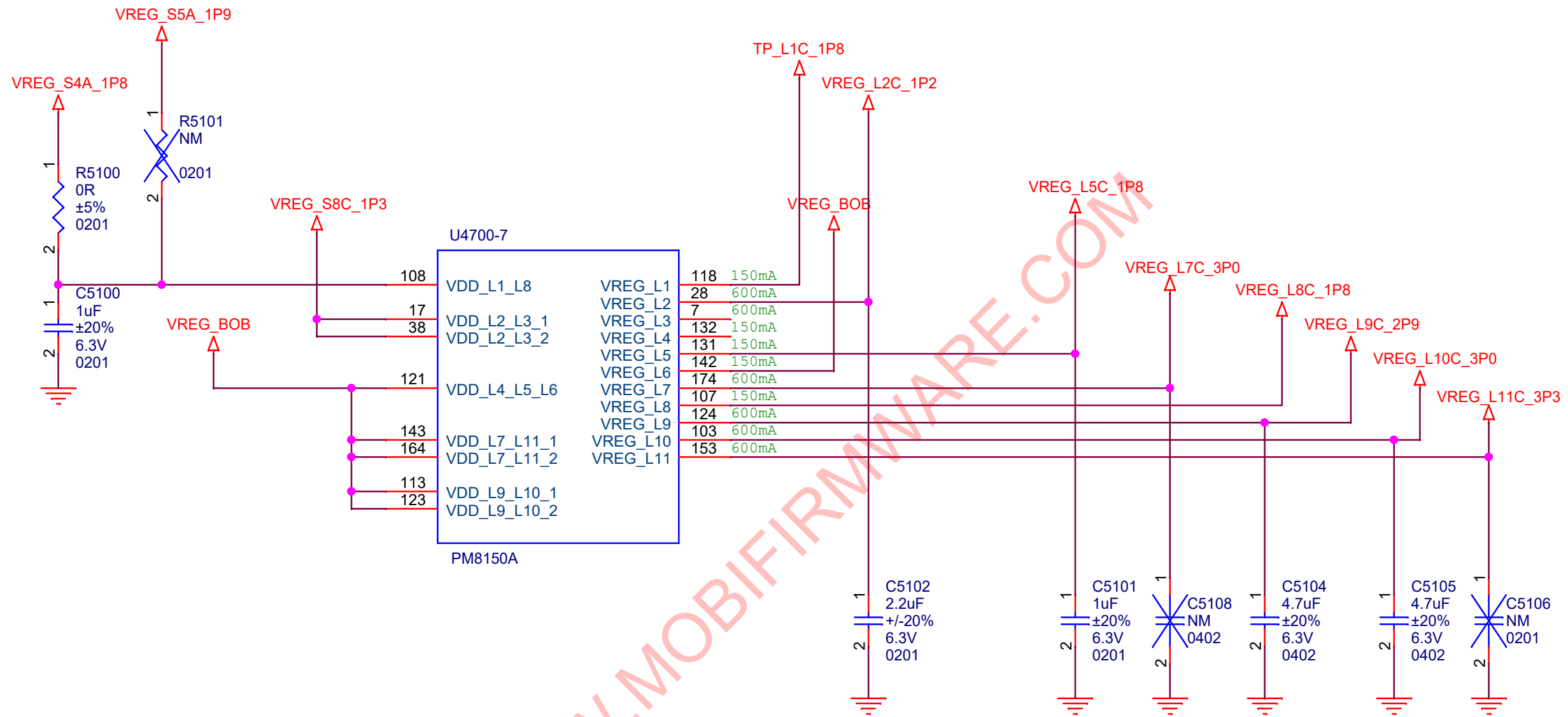
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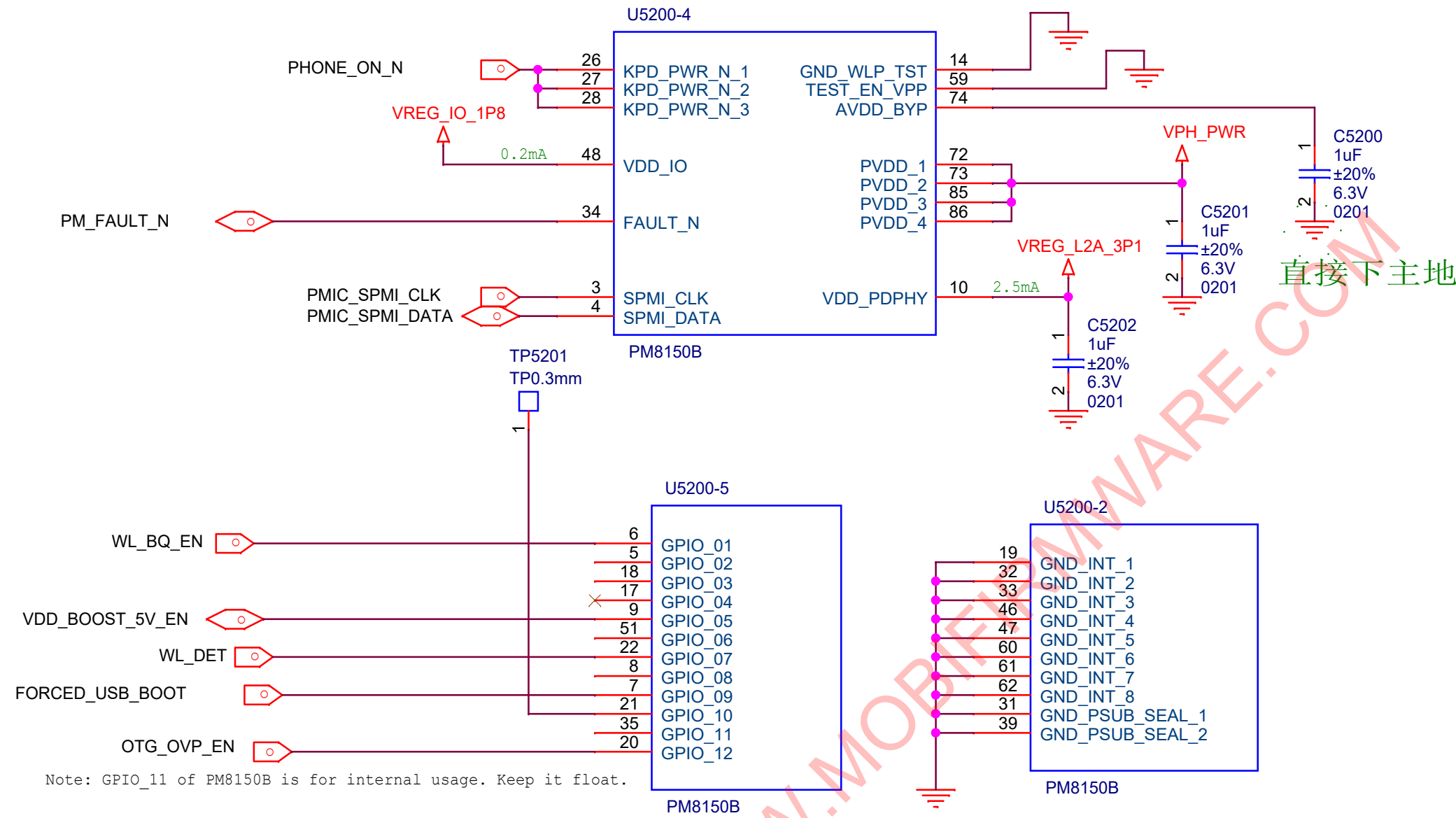
电容下主地

Title		
F1 MAIN		
Size	Document Number	
A4	PM855A BUCK CONVERTER2	
Date:	Friday, November 29, 2019	Sheet

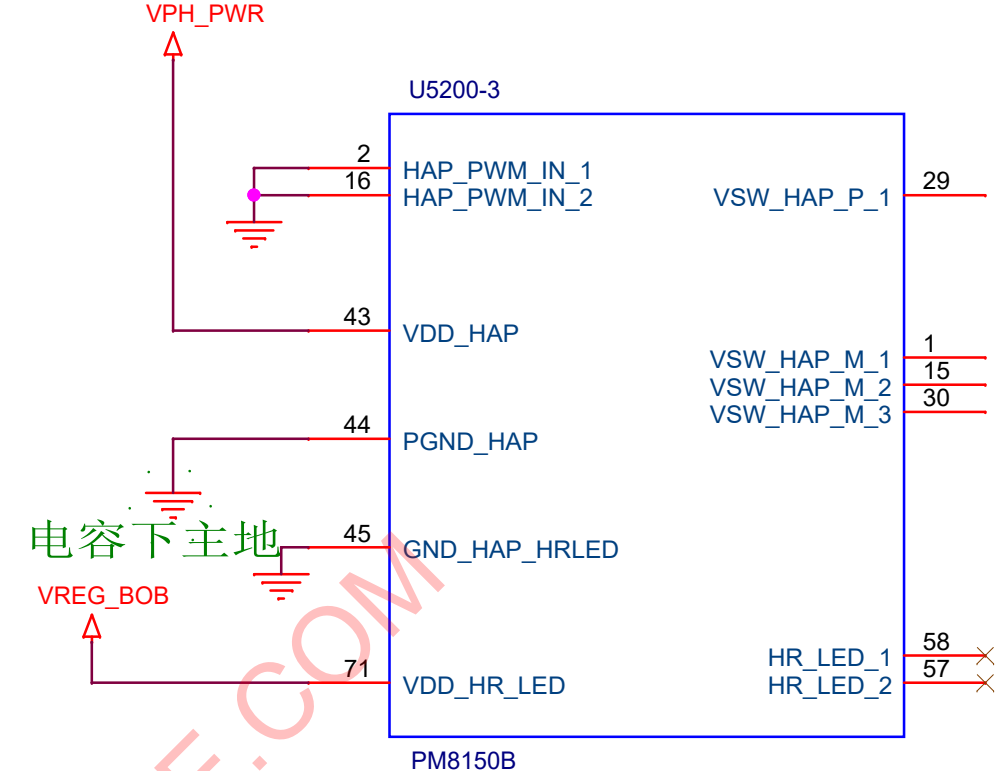
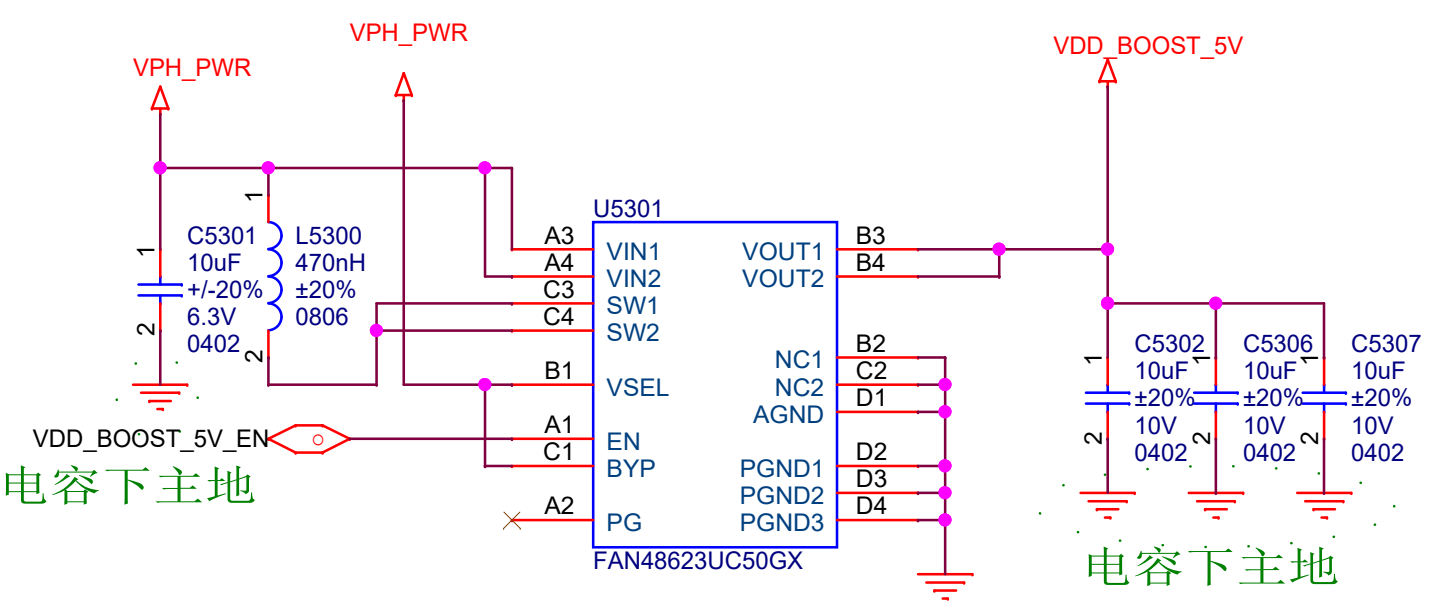






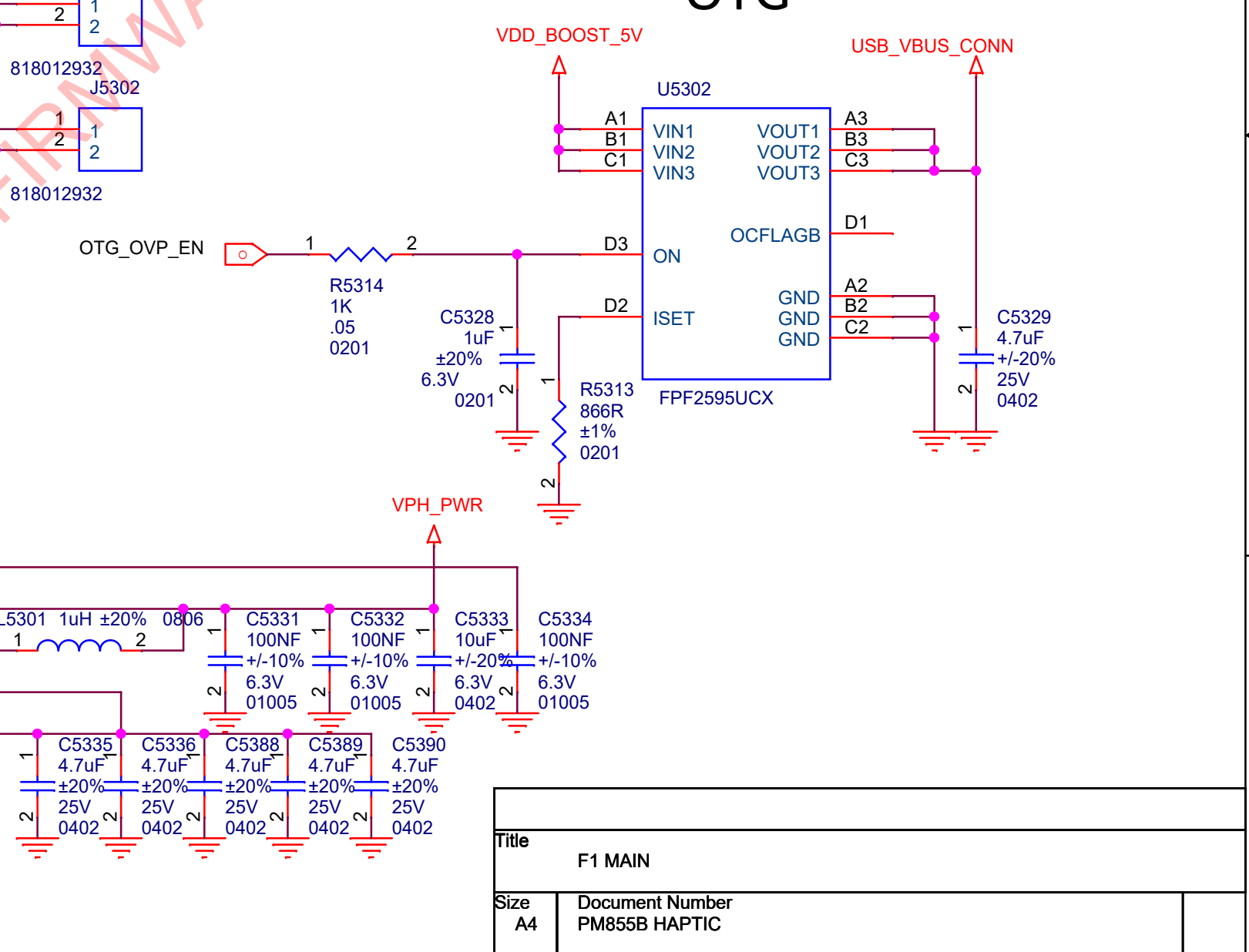
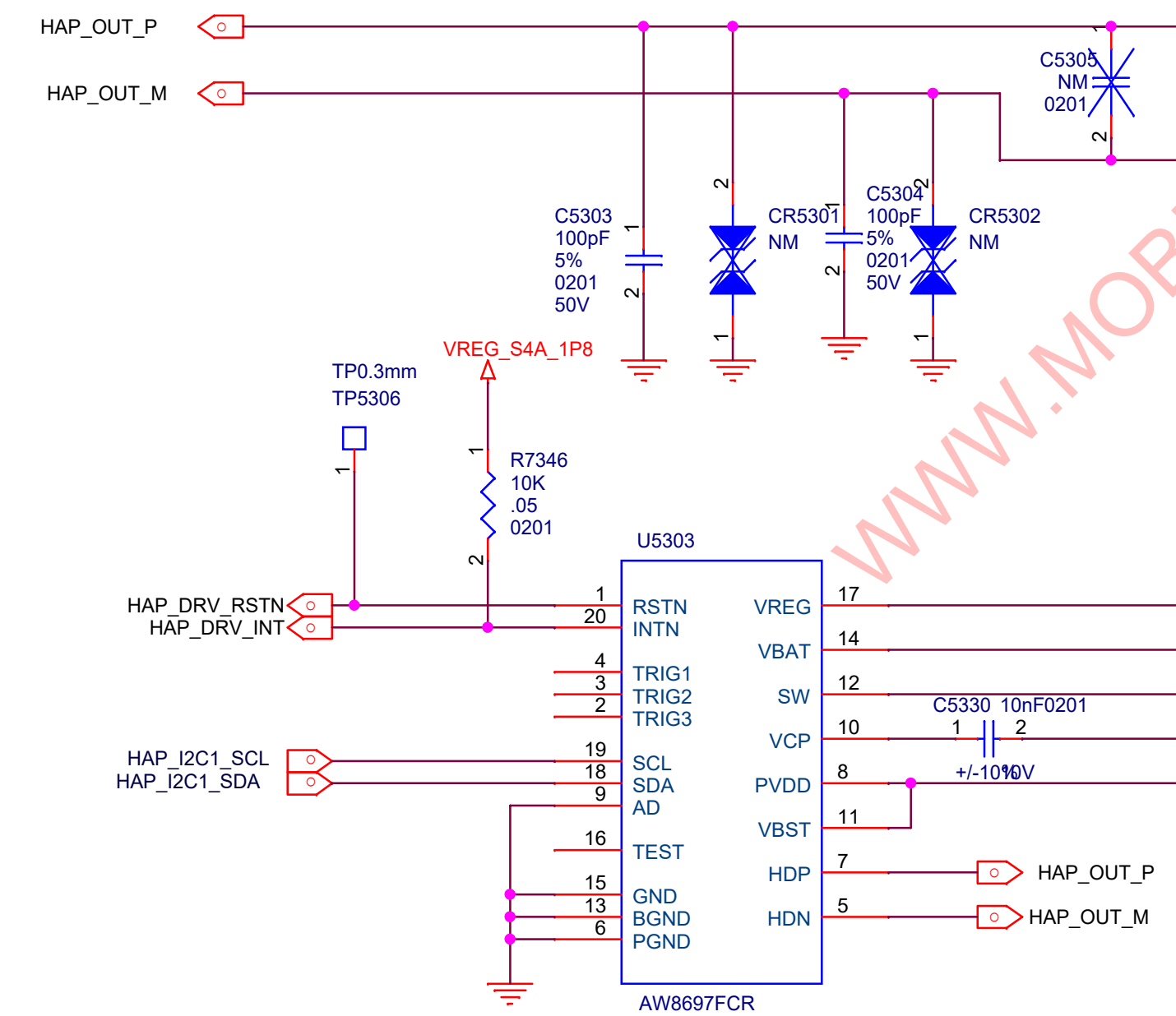


Note: GPIO\_04 and GPIO\_11 of PM8150B are for internal usage. Keep them float.  
 Keep GPIO\_03 of PM8150B float. Don't use it for other purpose.  
 GPIO\_06 of PM8150B is dedicated for SMB\_STAT. Don't use it for other purpose.

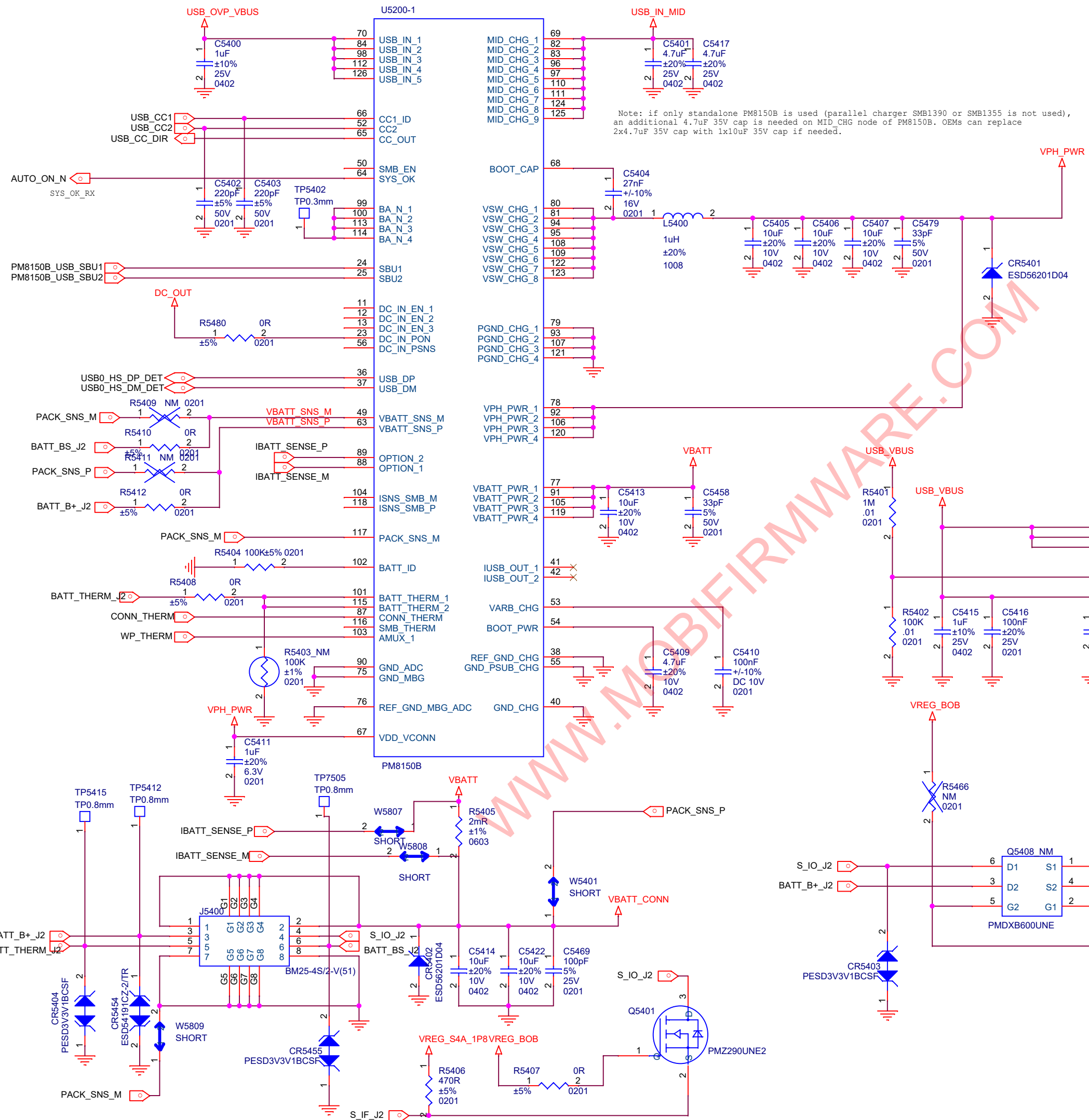


# HAPTICS

# OTG



Title					
F1 MAIN					
Size		Document Number			
A4		PM855B HAPTIC			
Date:		Friday, November 29, 2019		Sheet	54 74
2		1			



J1方案BOM:

J2方案BOM:

J1:此页BOM不做更改;

R5409不贴

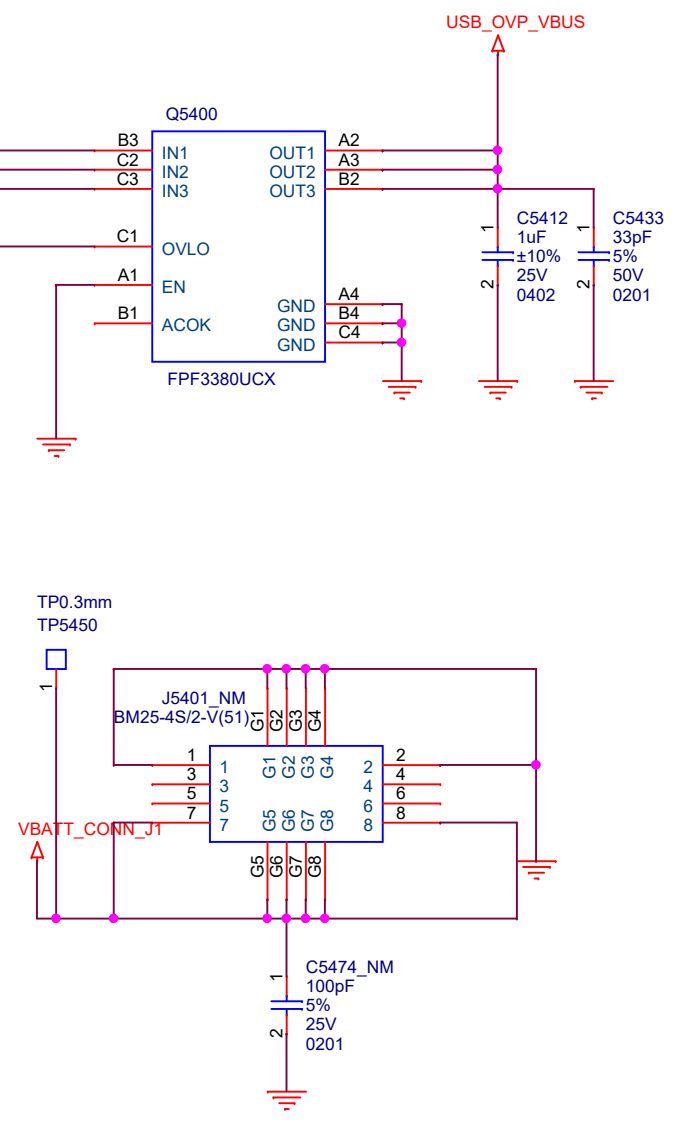
R5411不贴

R5403不贴

R5466不贴

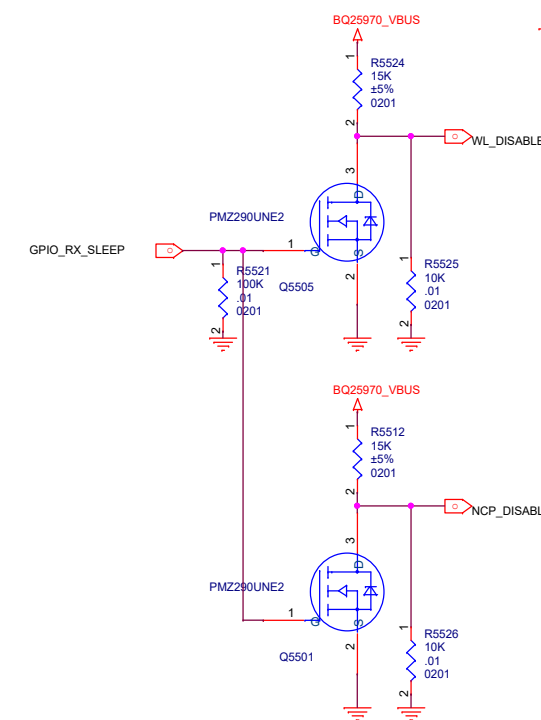
Q5408不贴

J5401不贴



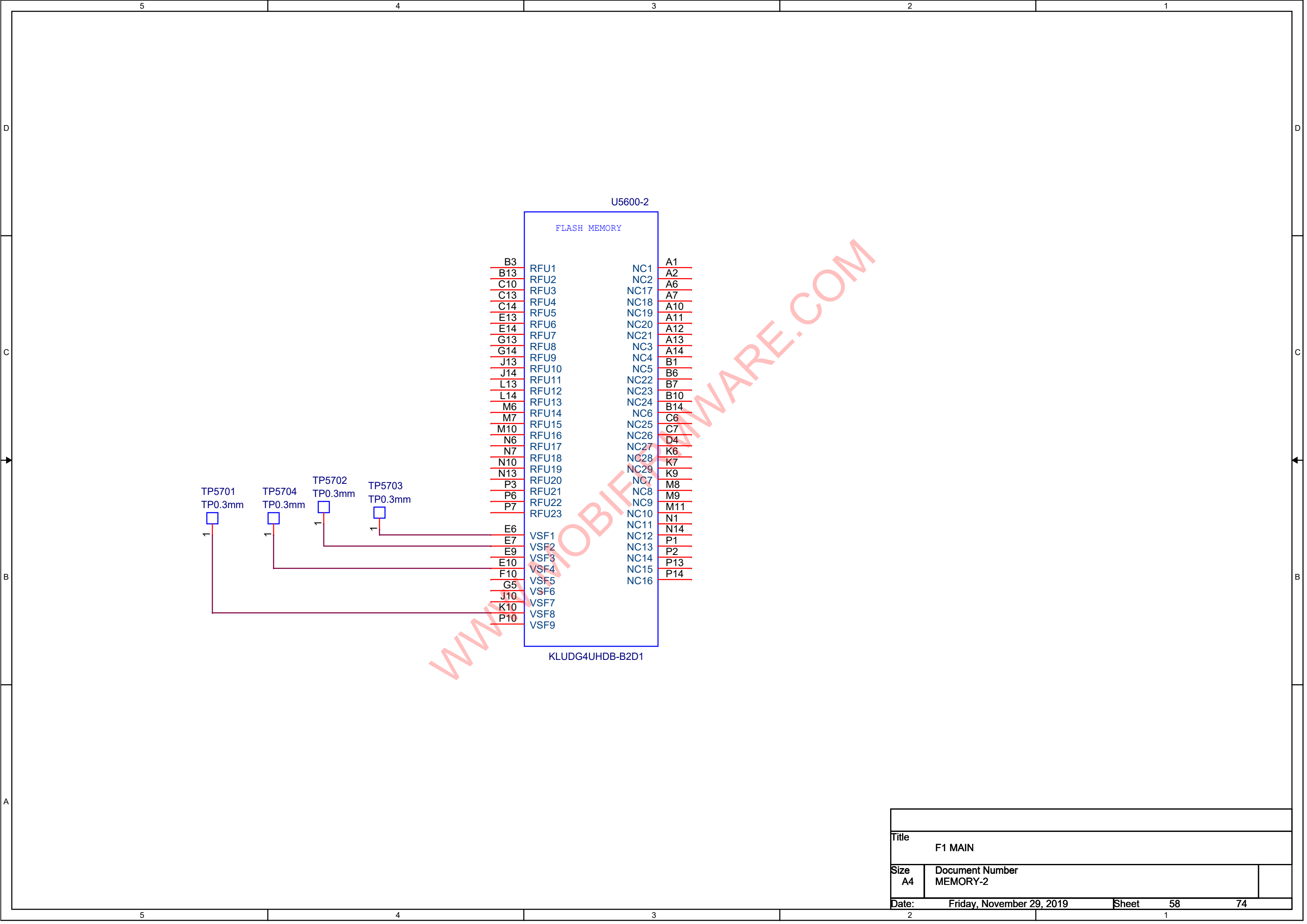
Title		F1 MAIN
Size	A3	Document Number PM855B Charger
Date:	Friday, November 29, 2019	Sheet 55 74

Slave charger的BOM全部不贴

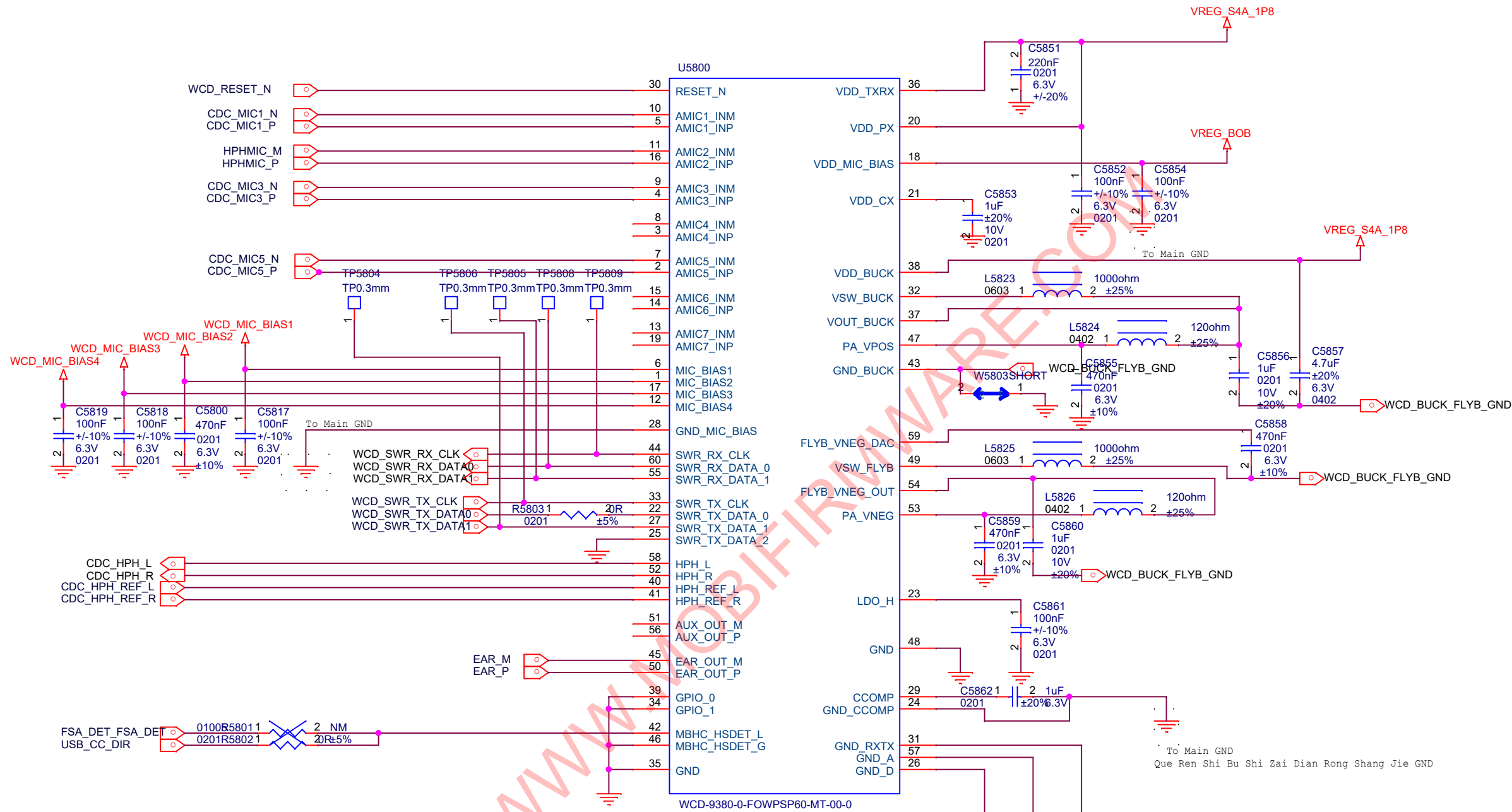










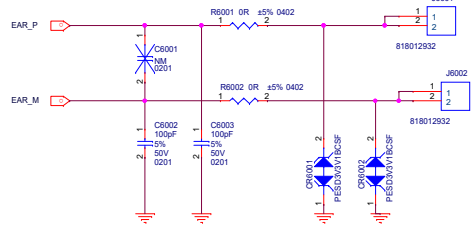


Title		
F1 MAIN		
Size	Document Number	
A3	WCD9340-1	
Date:	Friday, November 29, 2019	Sheet

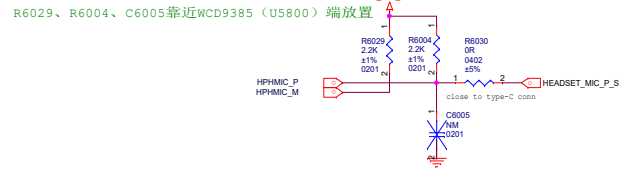
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Title		
F1 MAIN		
Size	Document Number	
A3	WCD9340-2	
Date:	Friday, November 29, 2019	Sheet

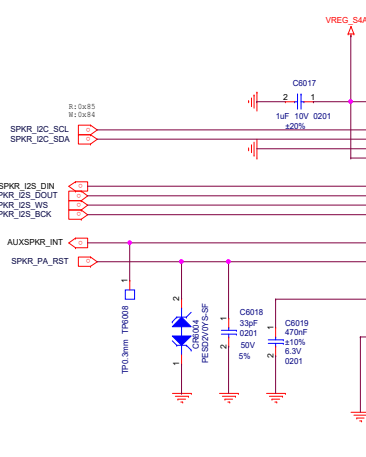
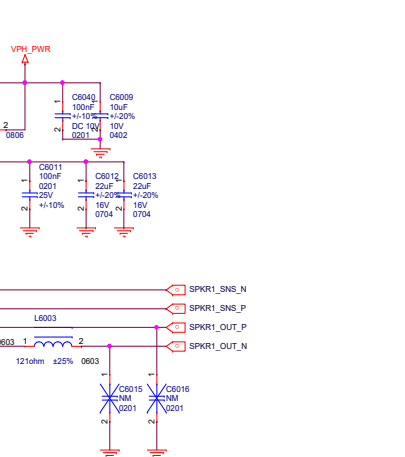
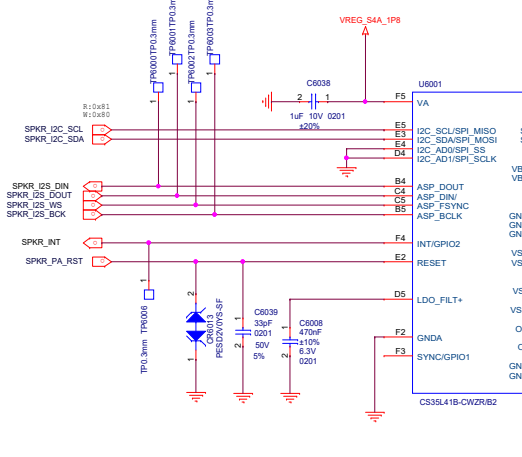
# RECEIVER



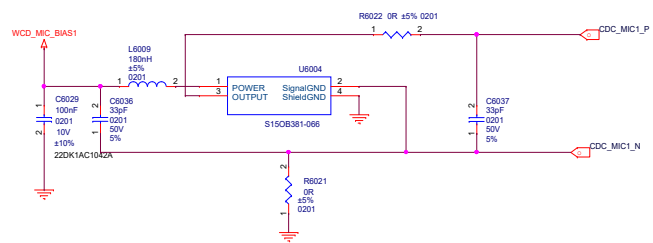
# HEADSET



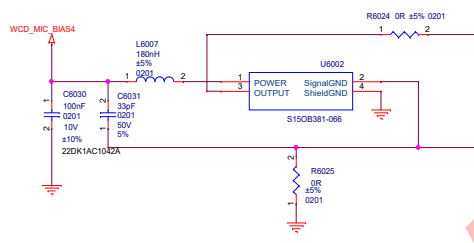
# SPKR PA



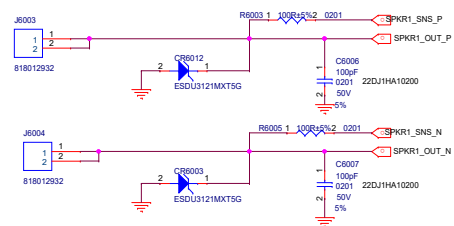
# MAIN MIC



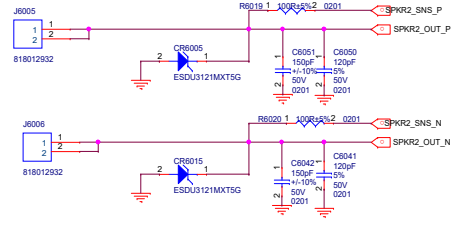
# AUX MIC



# SPK1

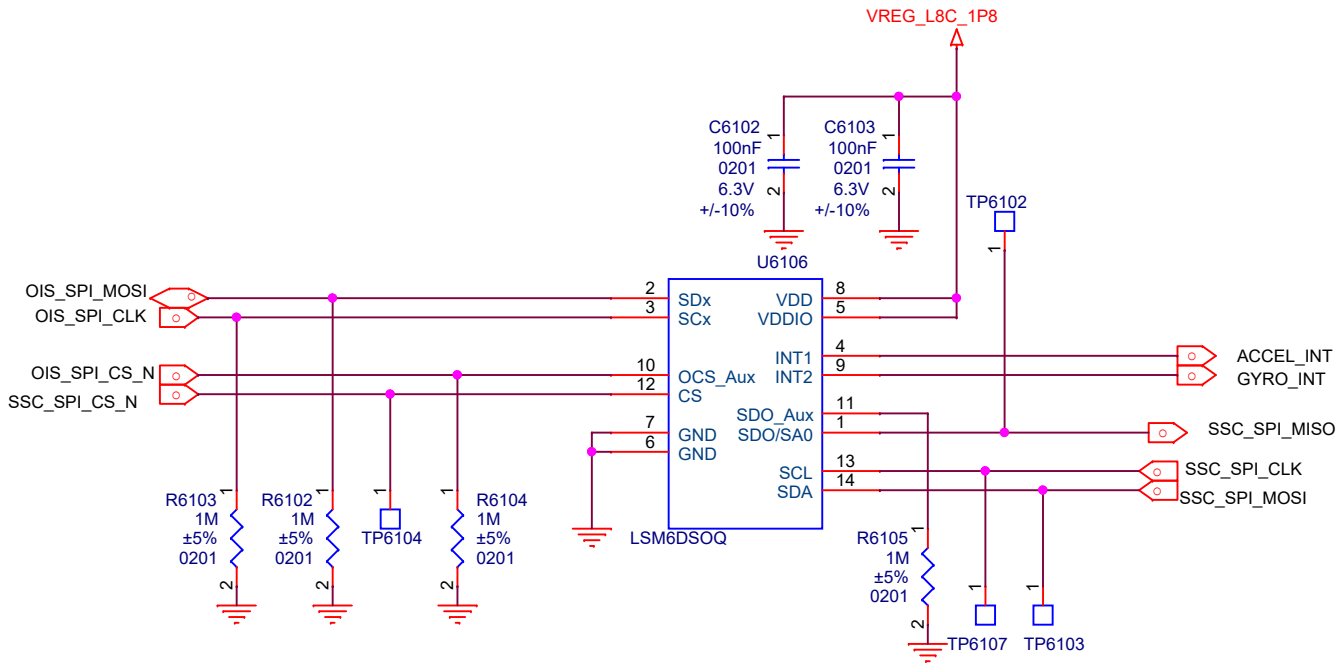


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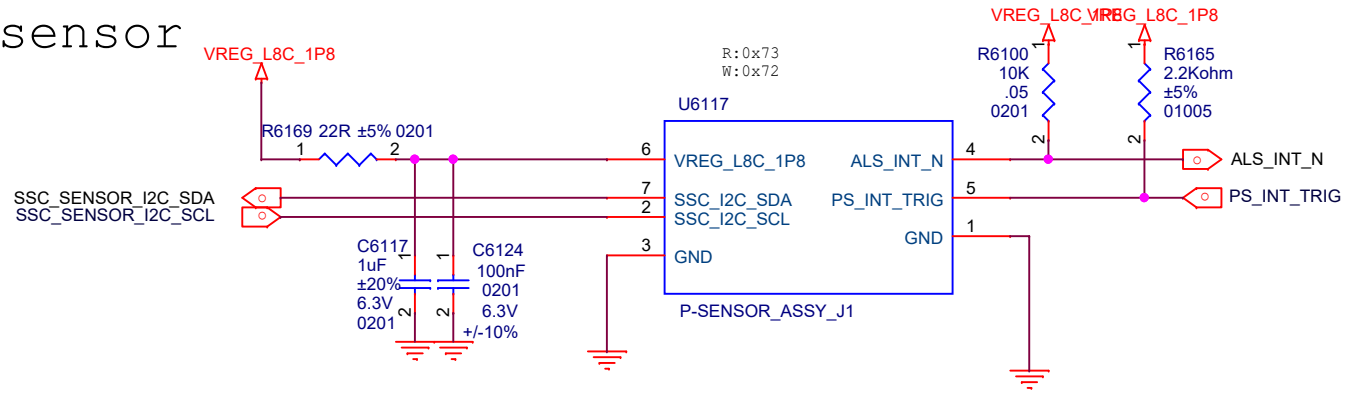


# RGB DRIVER

A+G

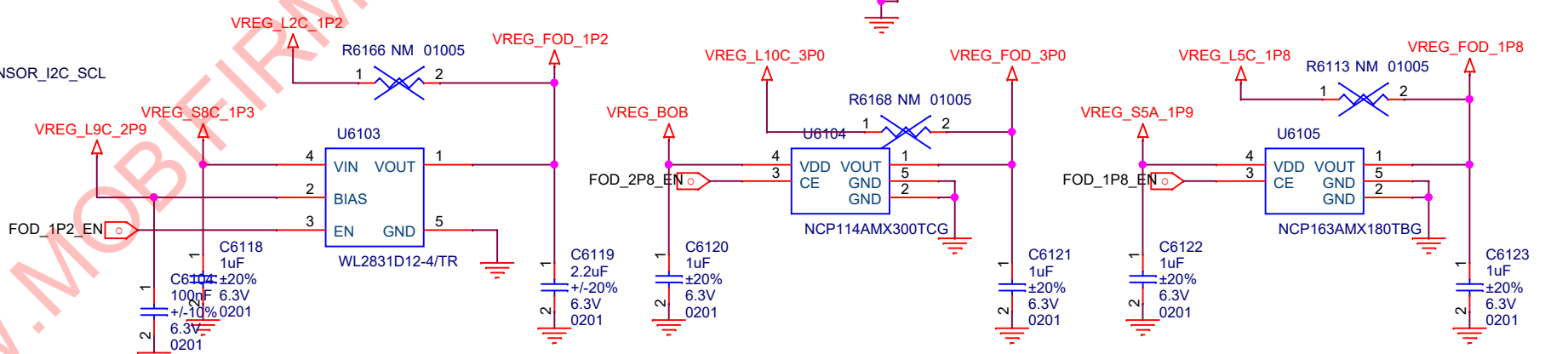
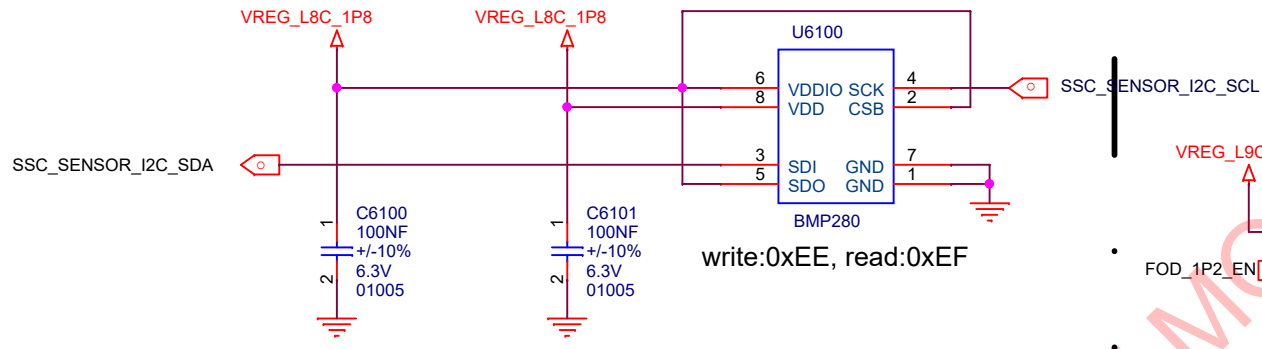


L-sensor

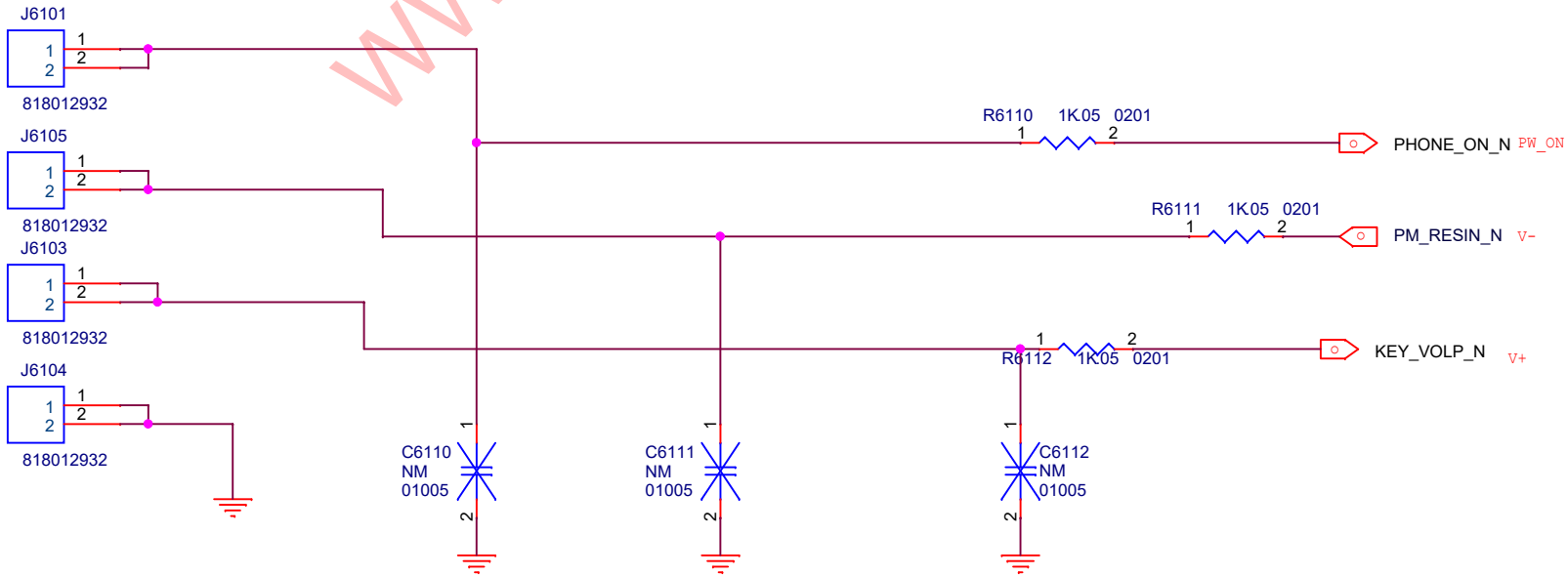


PRESSURE

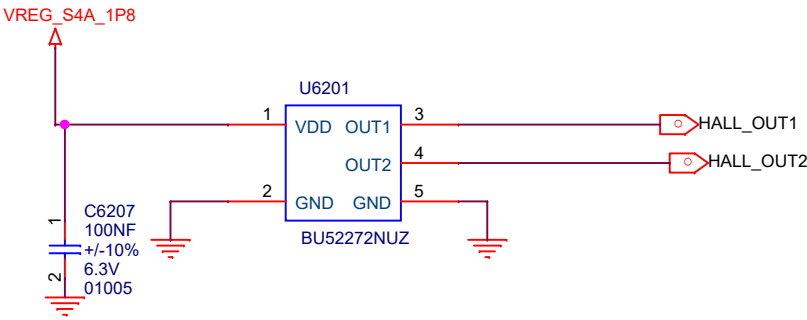
FOD



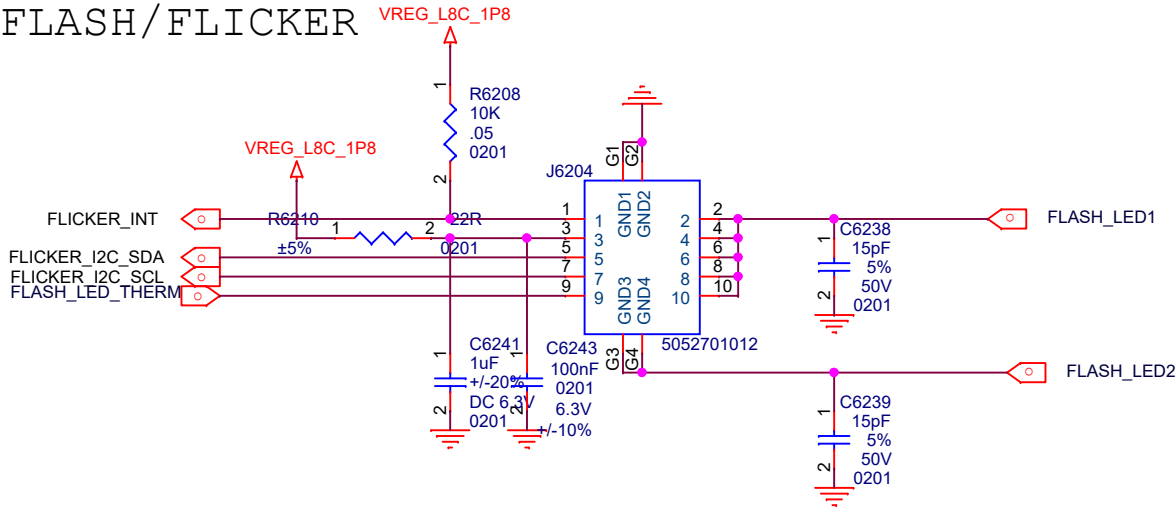
Sidekey



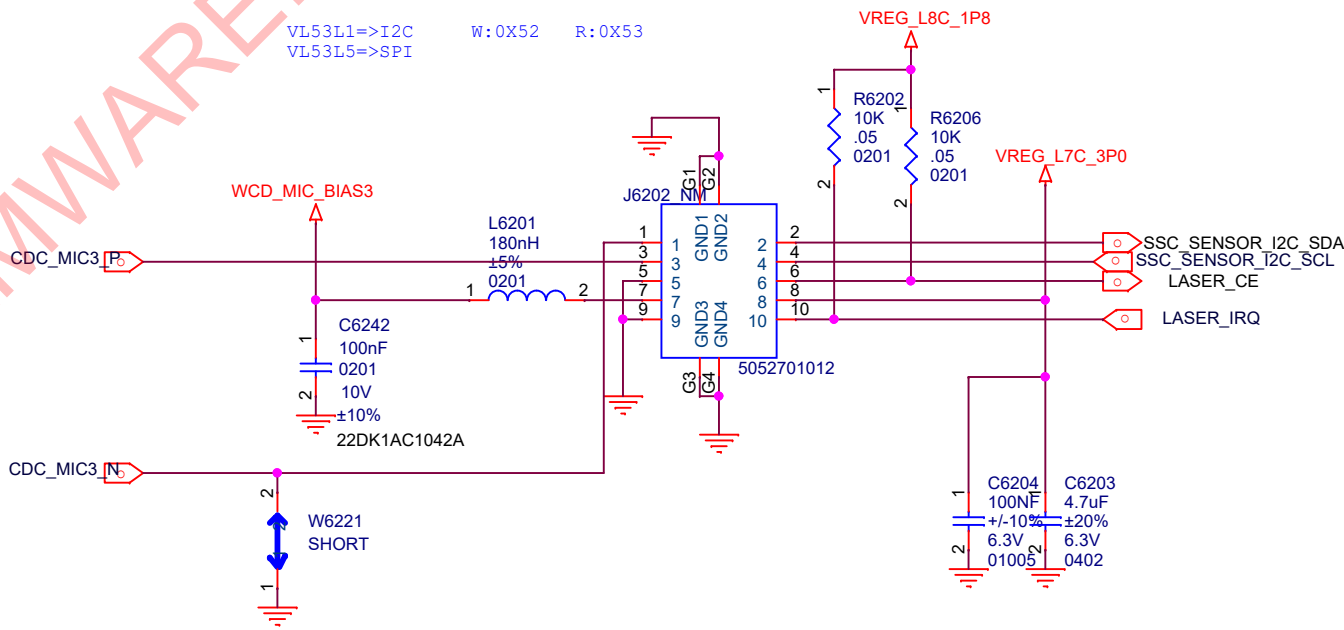
HALL



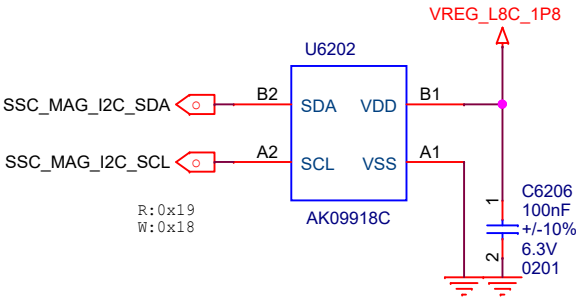
FLASH/FLICKER



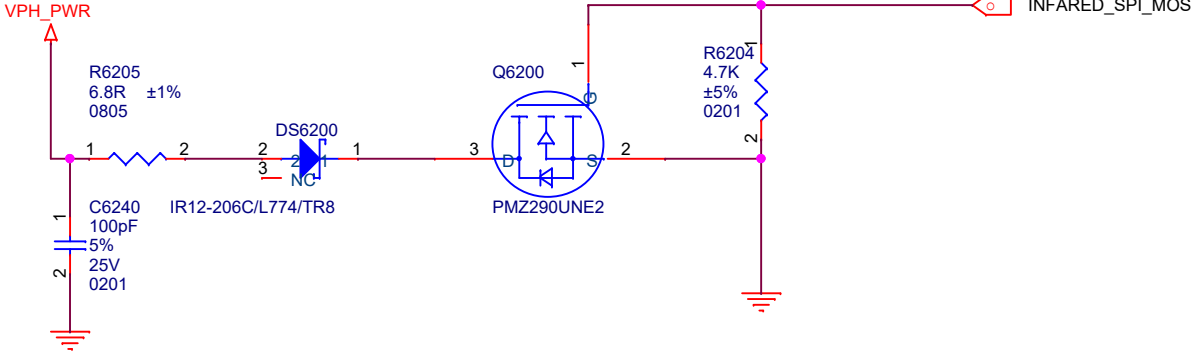
TOF

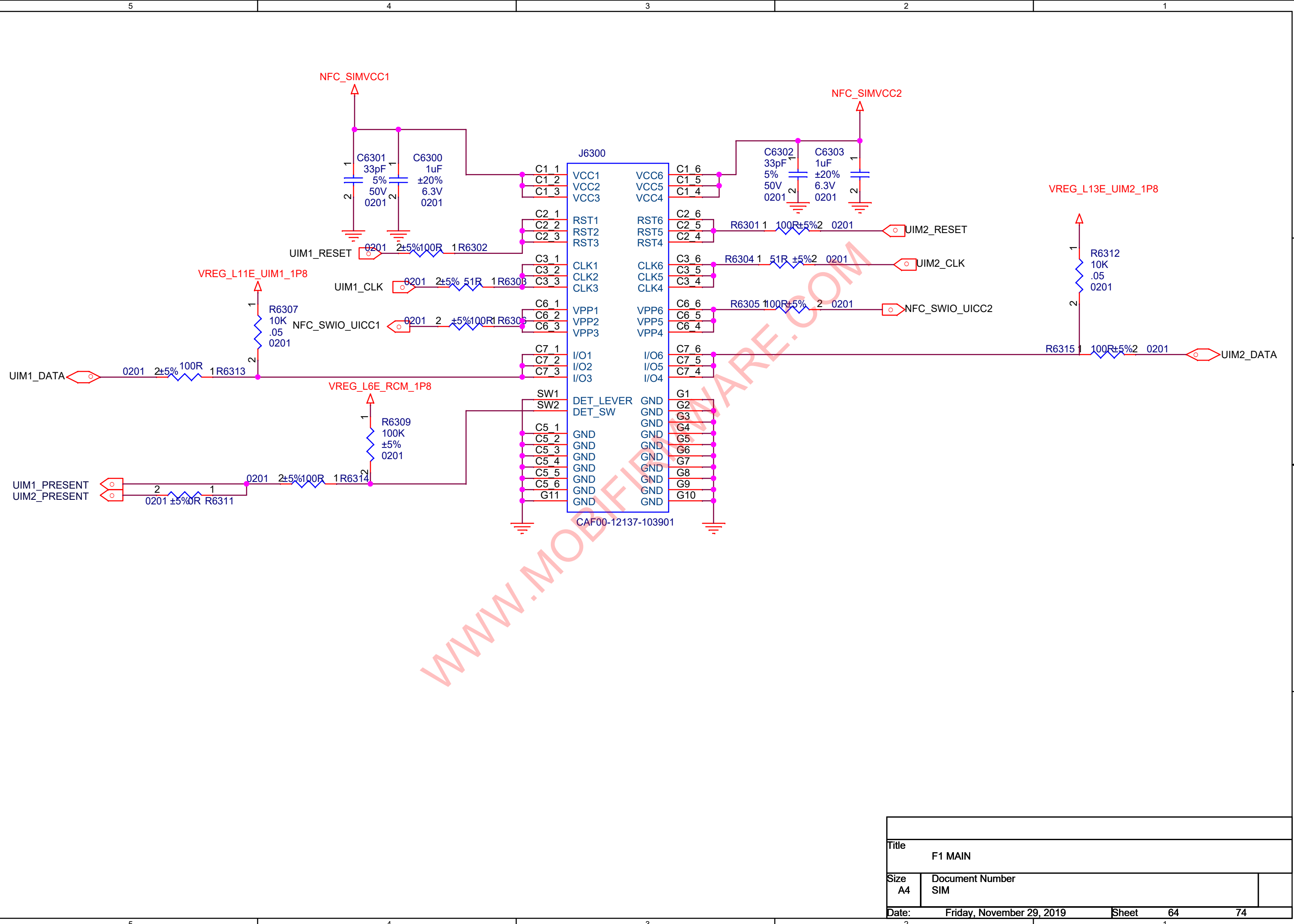


COMPASS

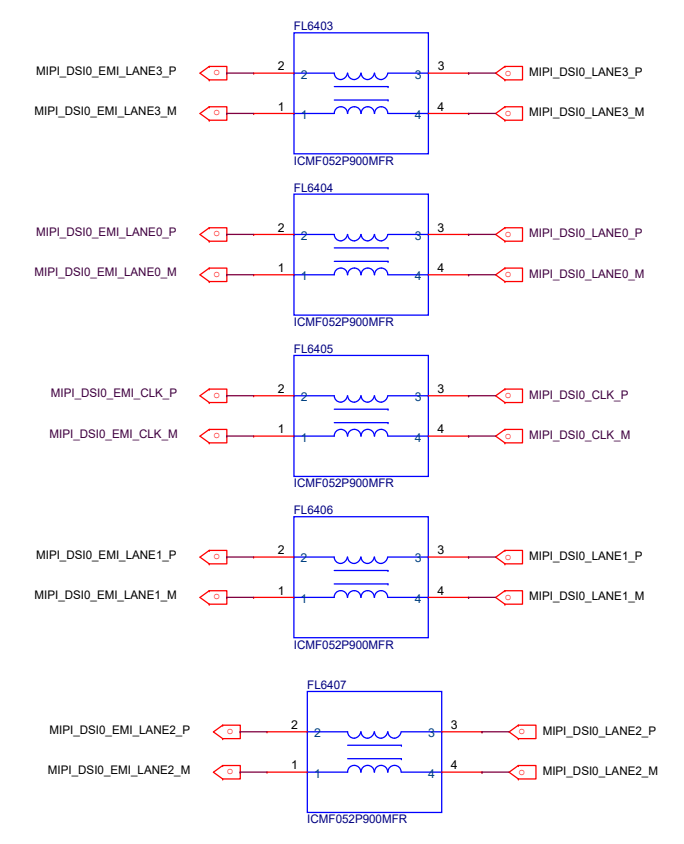
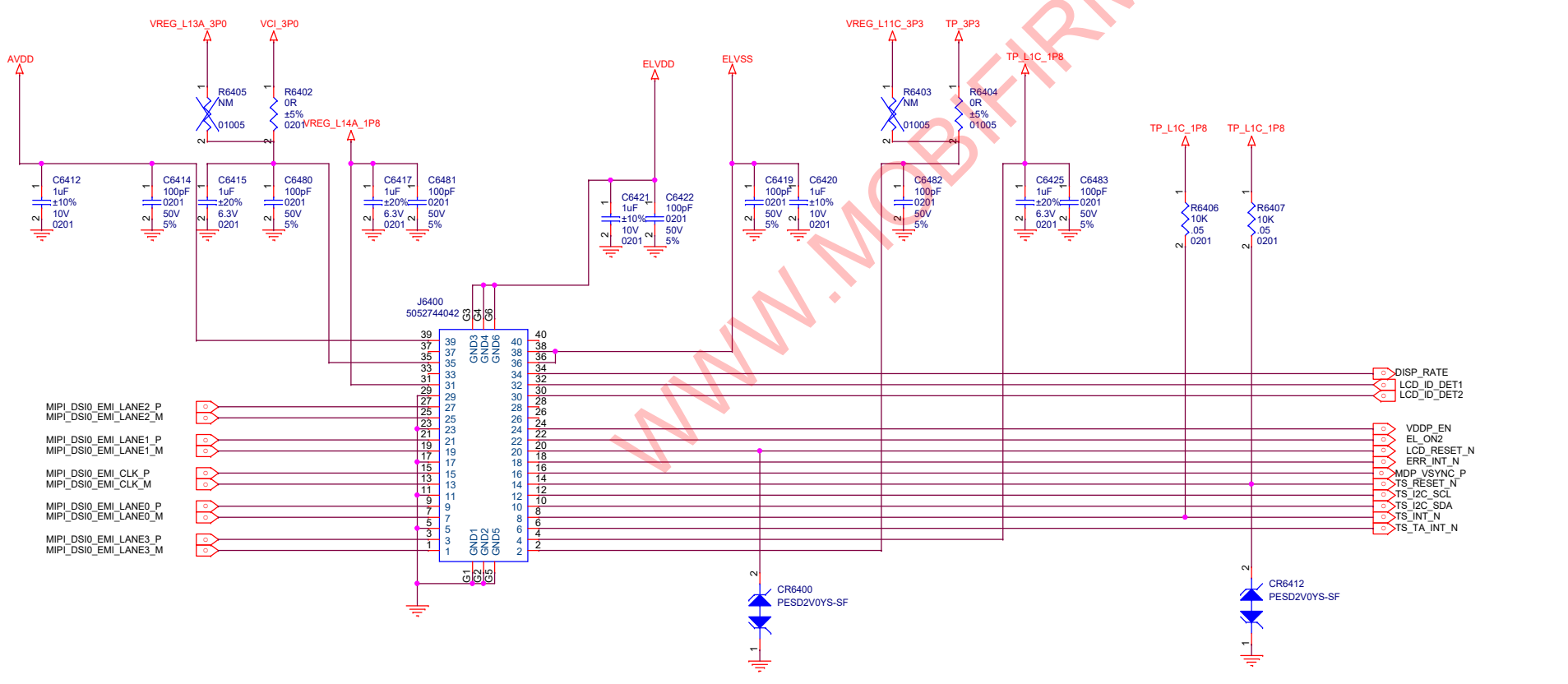
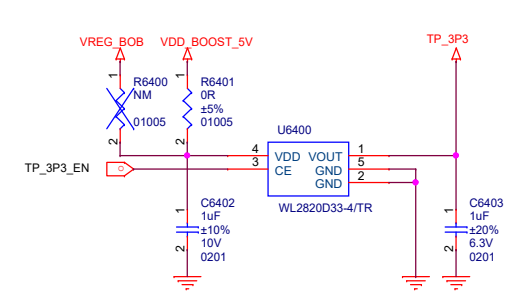
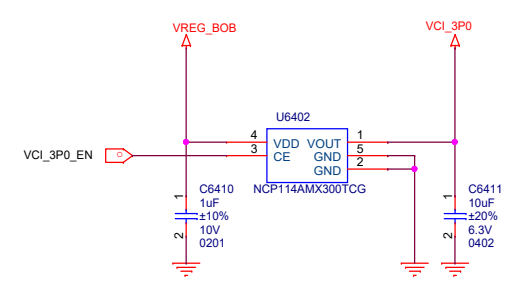


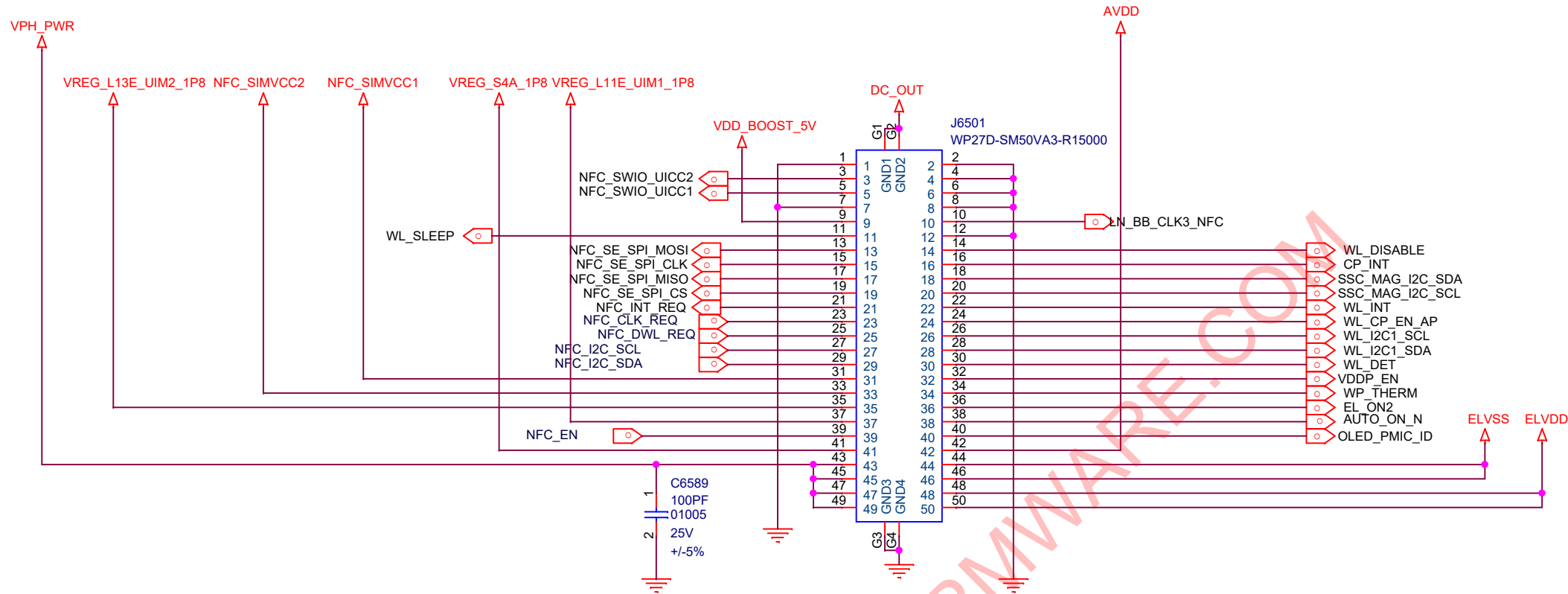
INFRARED



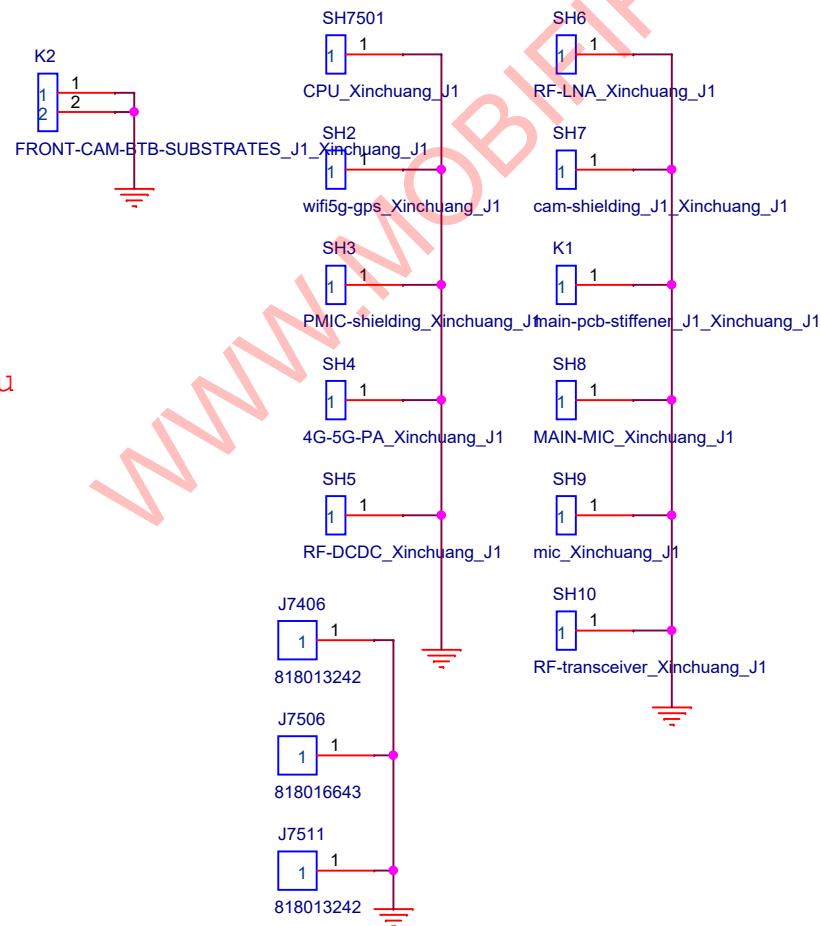
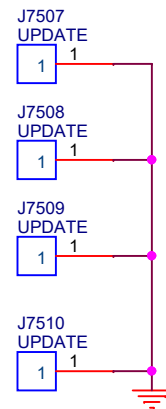


Title			F1 MAIN		
Size	A4	Document Number	SIM		
Date:	Friday, November 29, 2019		Sheet	64	74



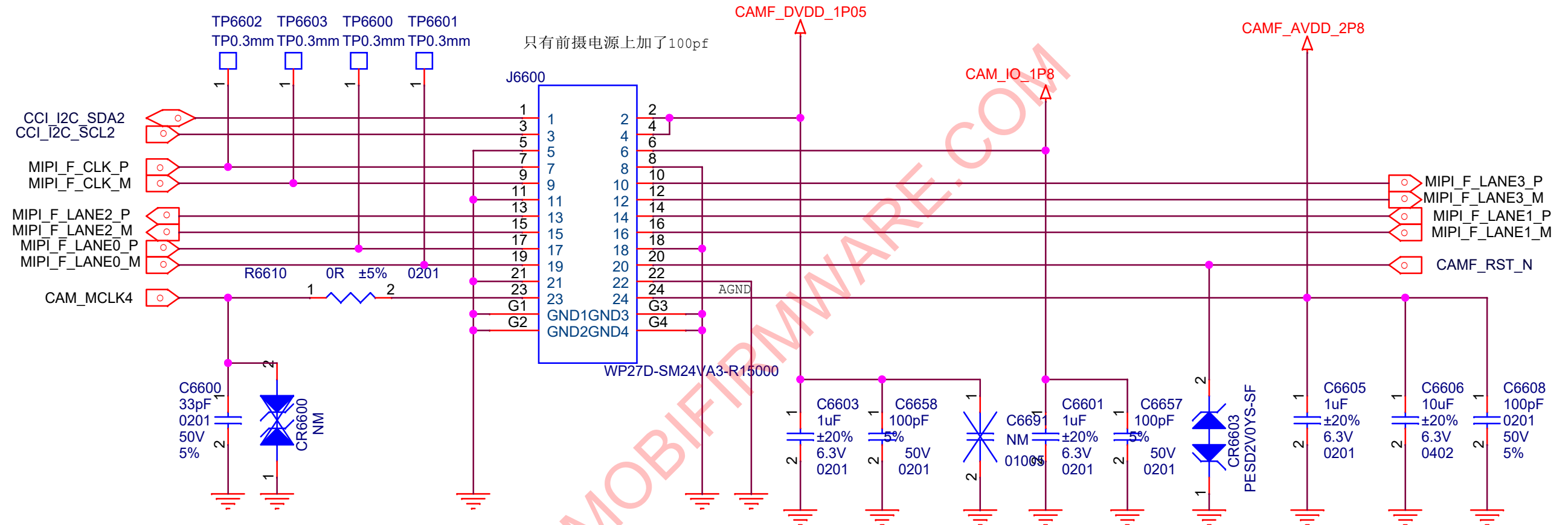


JiDeGengXinKu

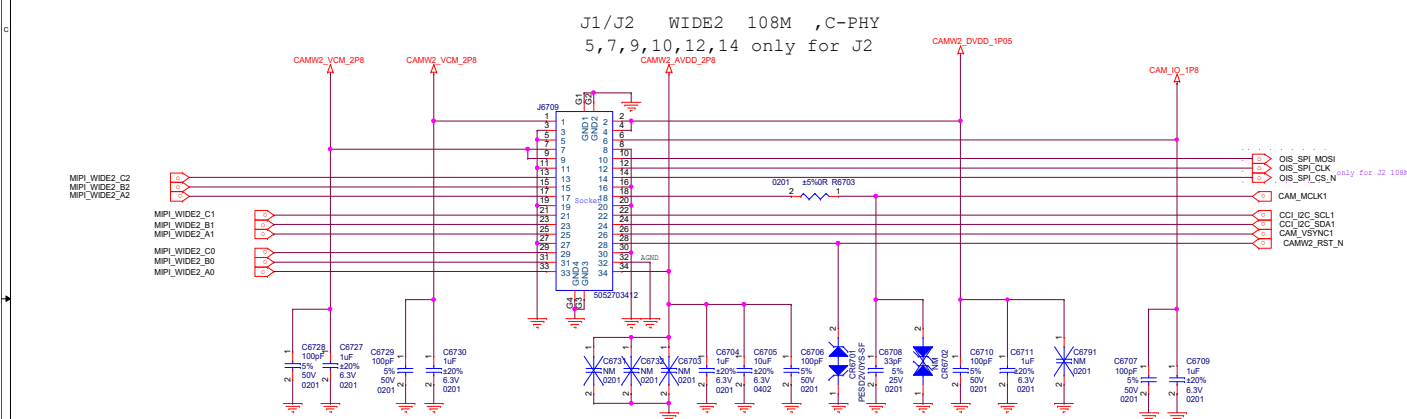
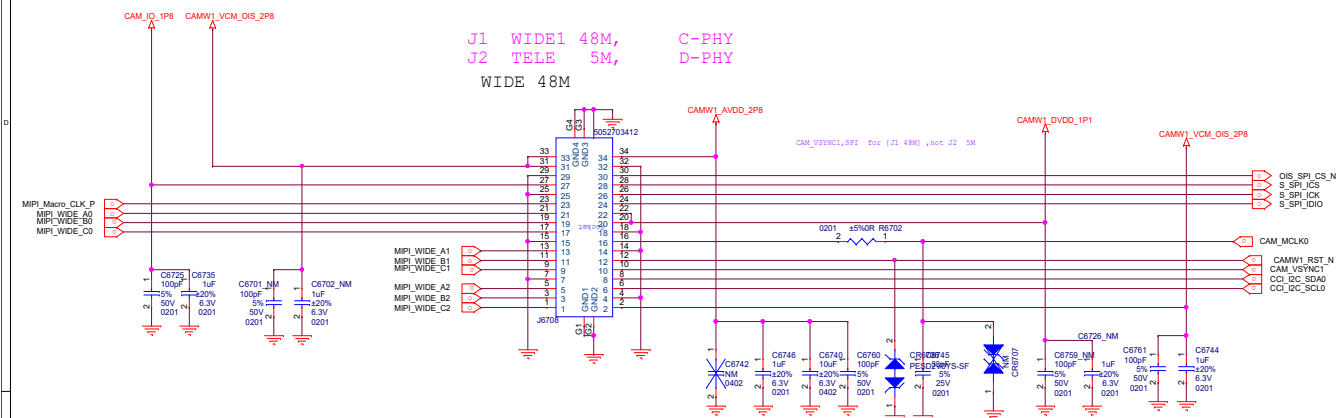




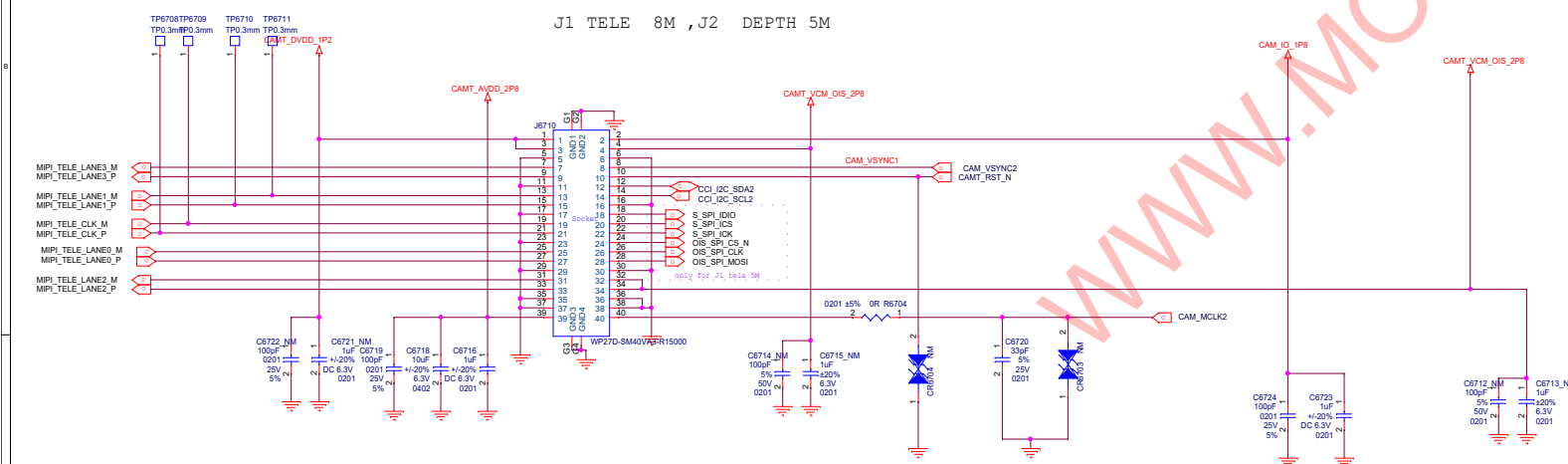
# J1/J2 front 20M CAMERA

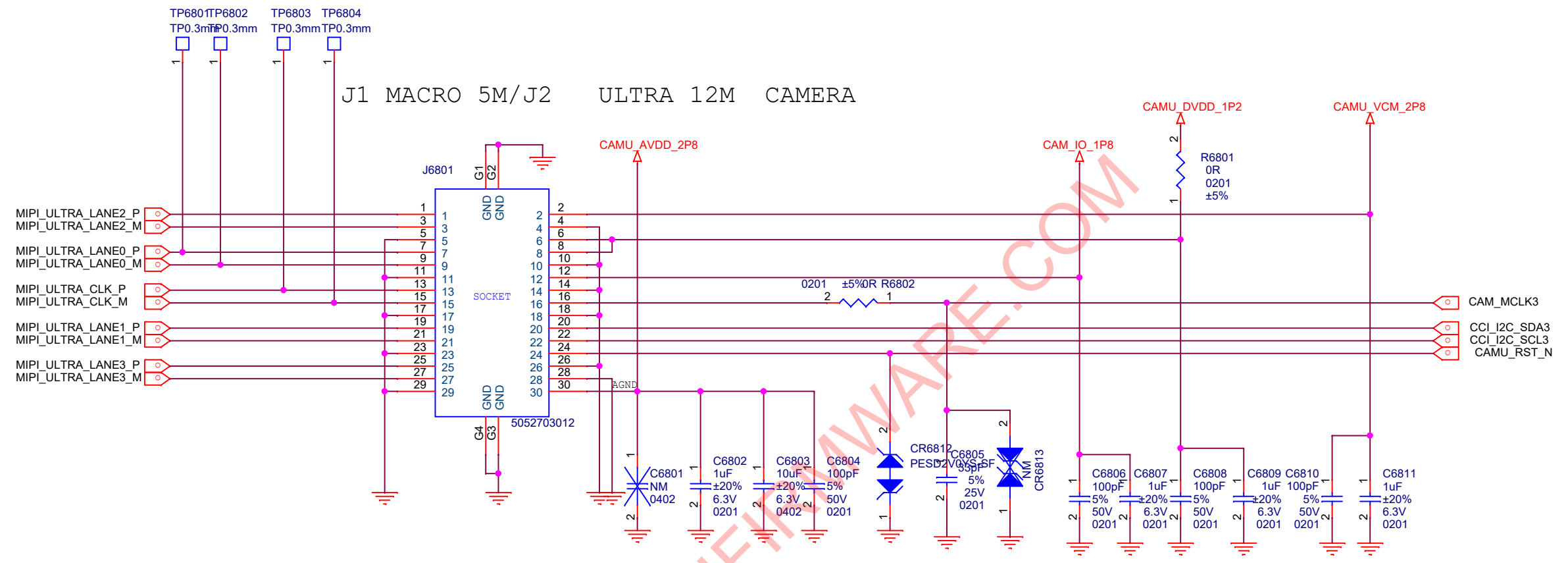


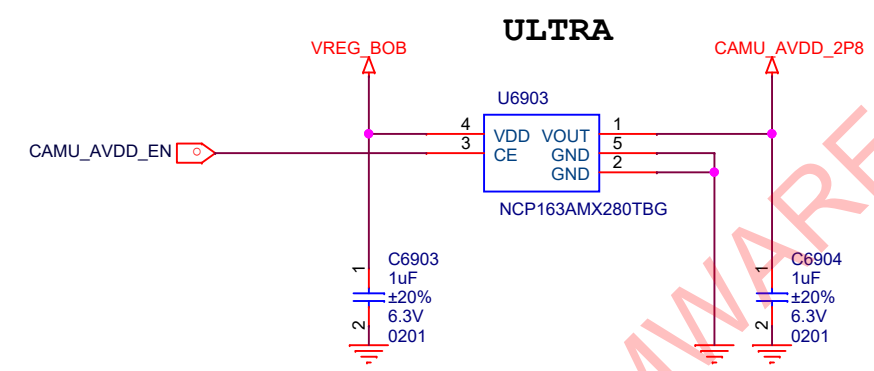
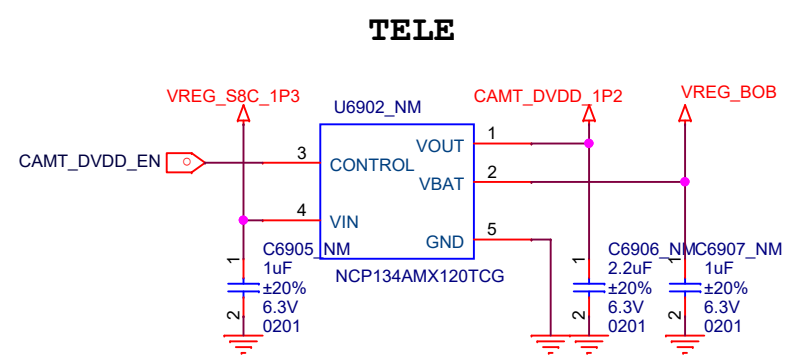
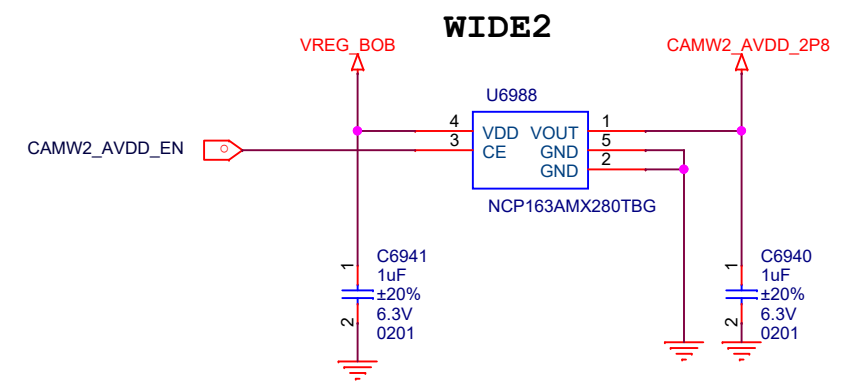
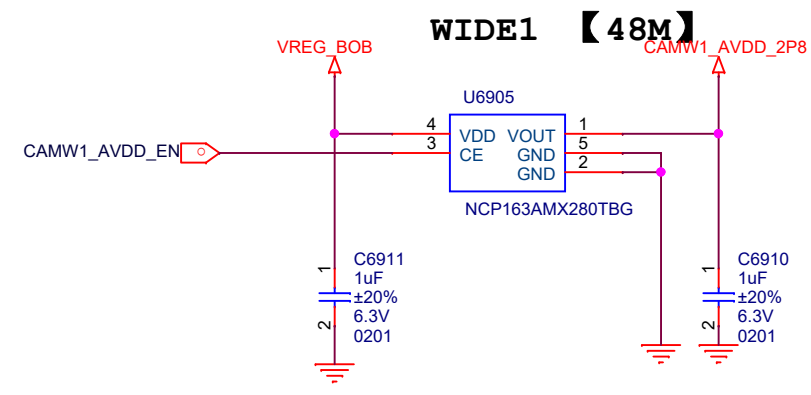
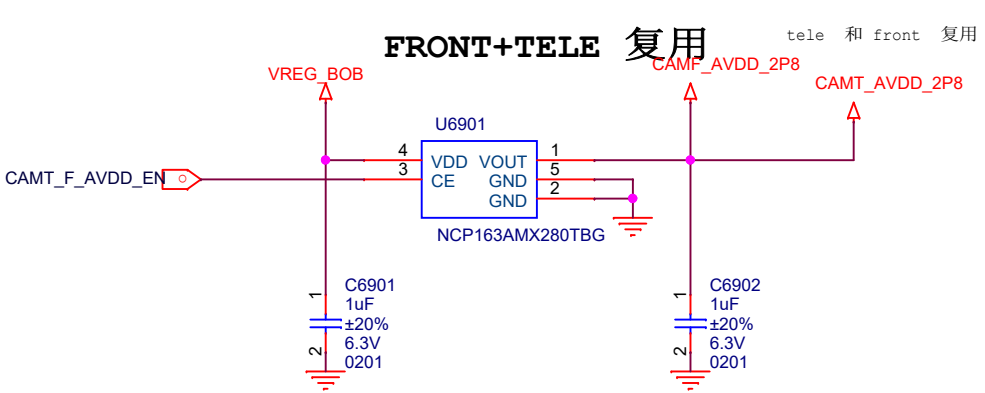
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F1 MAIN		
Size	Document Number	
A4	Reserved(for Analog FM)	
Date:	Friday, November 29, 2019	Sheet 67 74

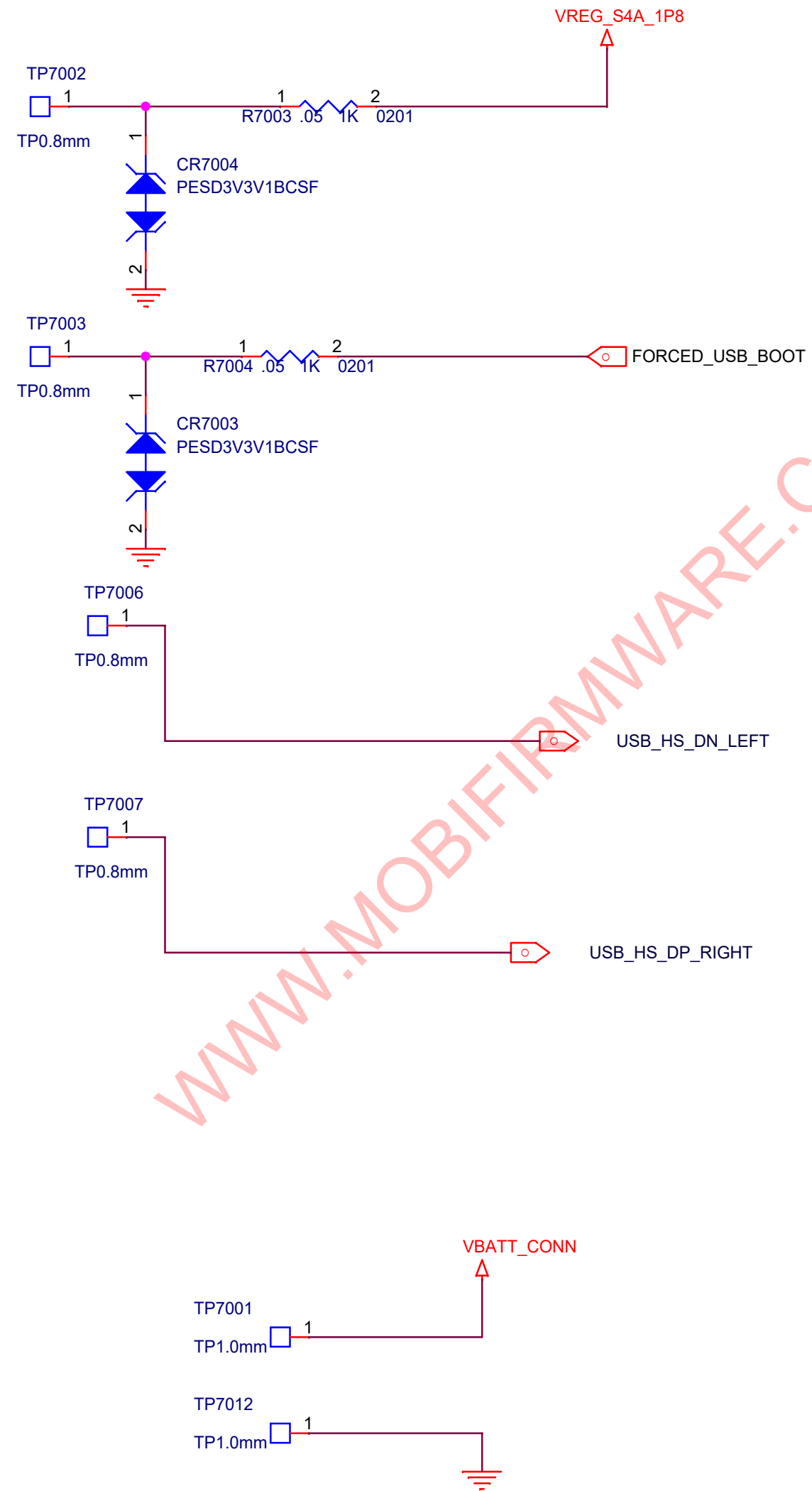


CAM	J1	J2	备注
Front_20M_24pin	相同		
J1(4x 8M)_J2(Depth 5M)_40pin	有 AF+OIS	2 Lan	J2 无 AF +OIS, C6712, C6713, C6714, C6715, J1 only, J2 NM
J1(Ultra108M)_J2(Wide108M)_34pin	有 AF .Cphy	有 AF+OIS, Cphy	J1 无 OIS, C6727, C6728 J2 only, J1 NM
J1(Wide 48M)_J2(Tele 5M)_34pin	有 AF+OIS, Cphy	有 AF .Dphy 2Lan	J2 无 OIS, C6701, C6702 J1 only, J2 NM
J1(Macro5M)_J2(Ultra 16M)_30pin	有 AF .Dphy 2Lan	有 AF	



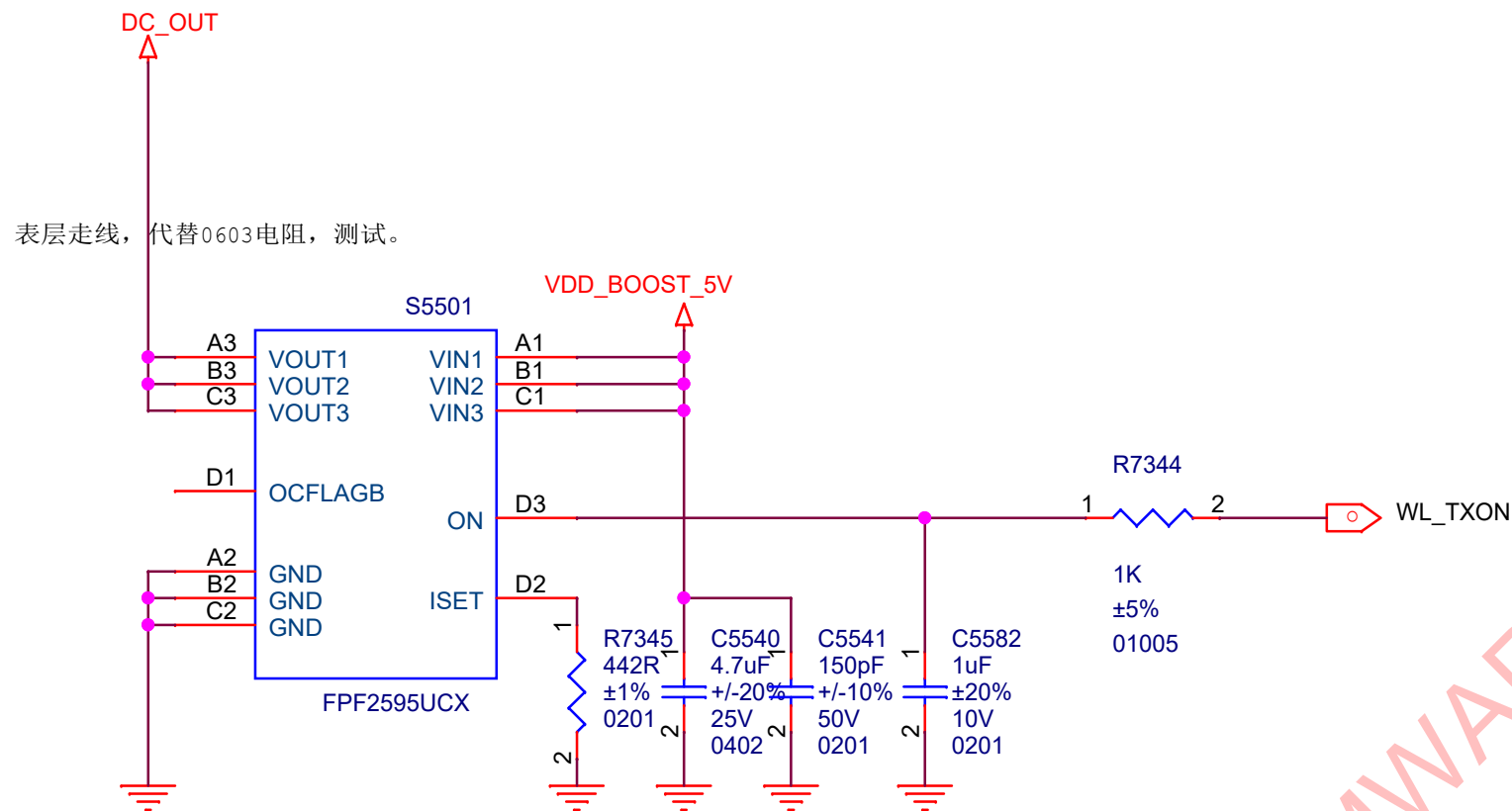






Title			F1 MAIN		
Size	A4	Document Number		IR LED	
Date:		Friday, November 29, 2019			Sheet





RsetΩ	Min. Current mA	Typ Current mA	Max. Current mA
415	2250	2500	2750
460	2025	2250	2475
520	1800	2000	2200

Title		
F1 MAIN		
Size	Document Number	
A4	SMB1390&WL POWER	
Date:	Friday, November 29, 2019	Sheet





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