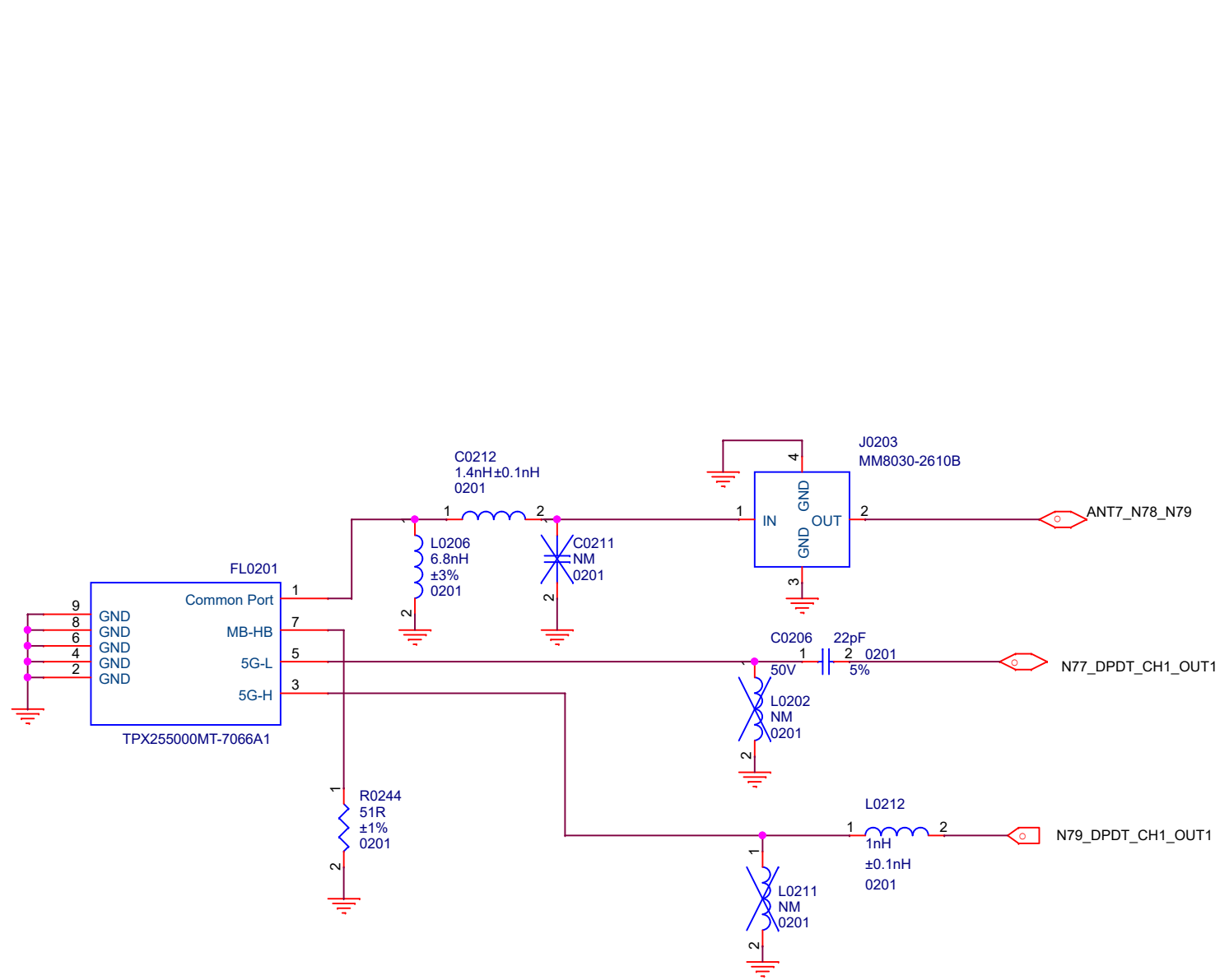
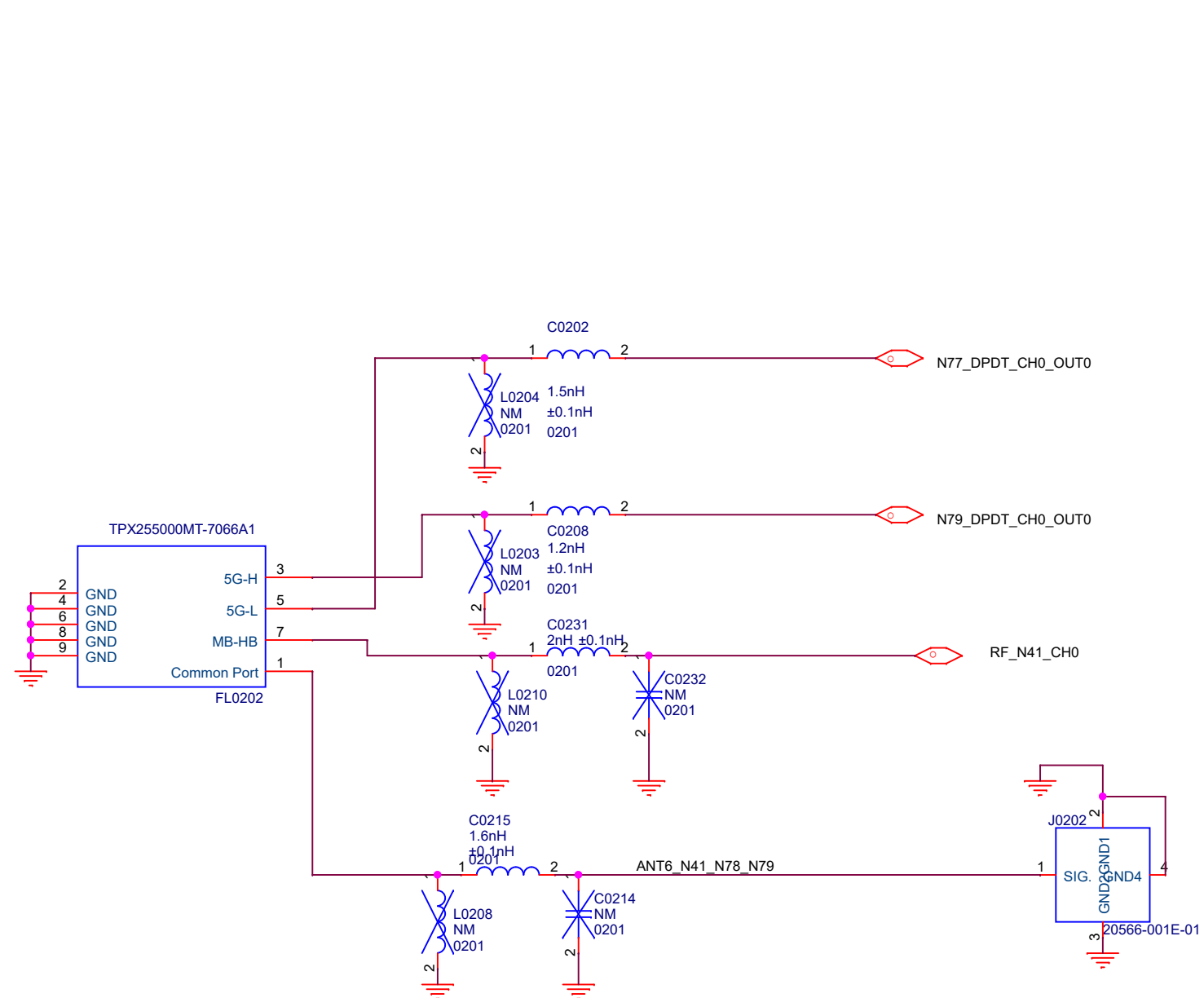
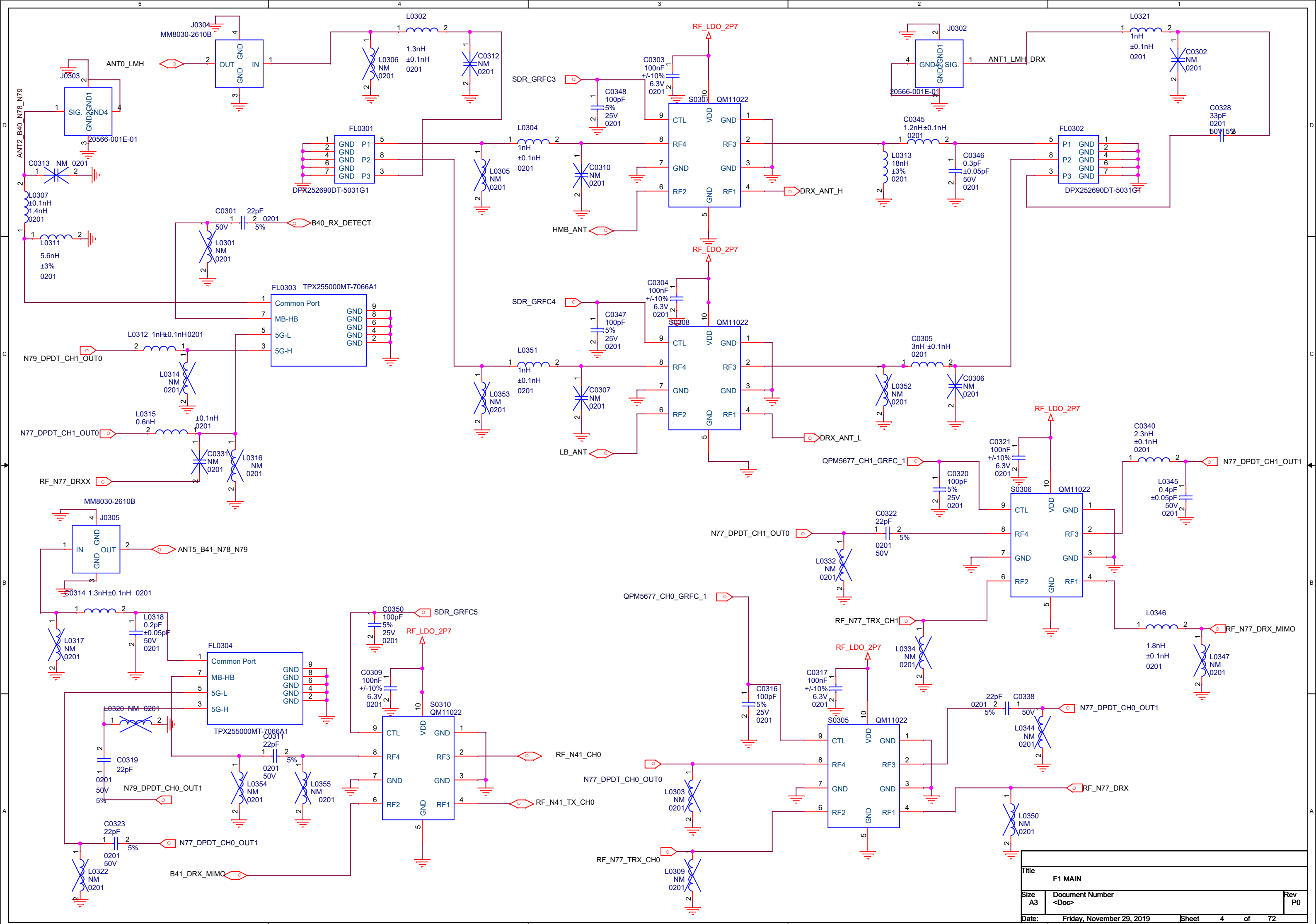


# SAR sensor

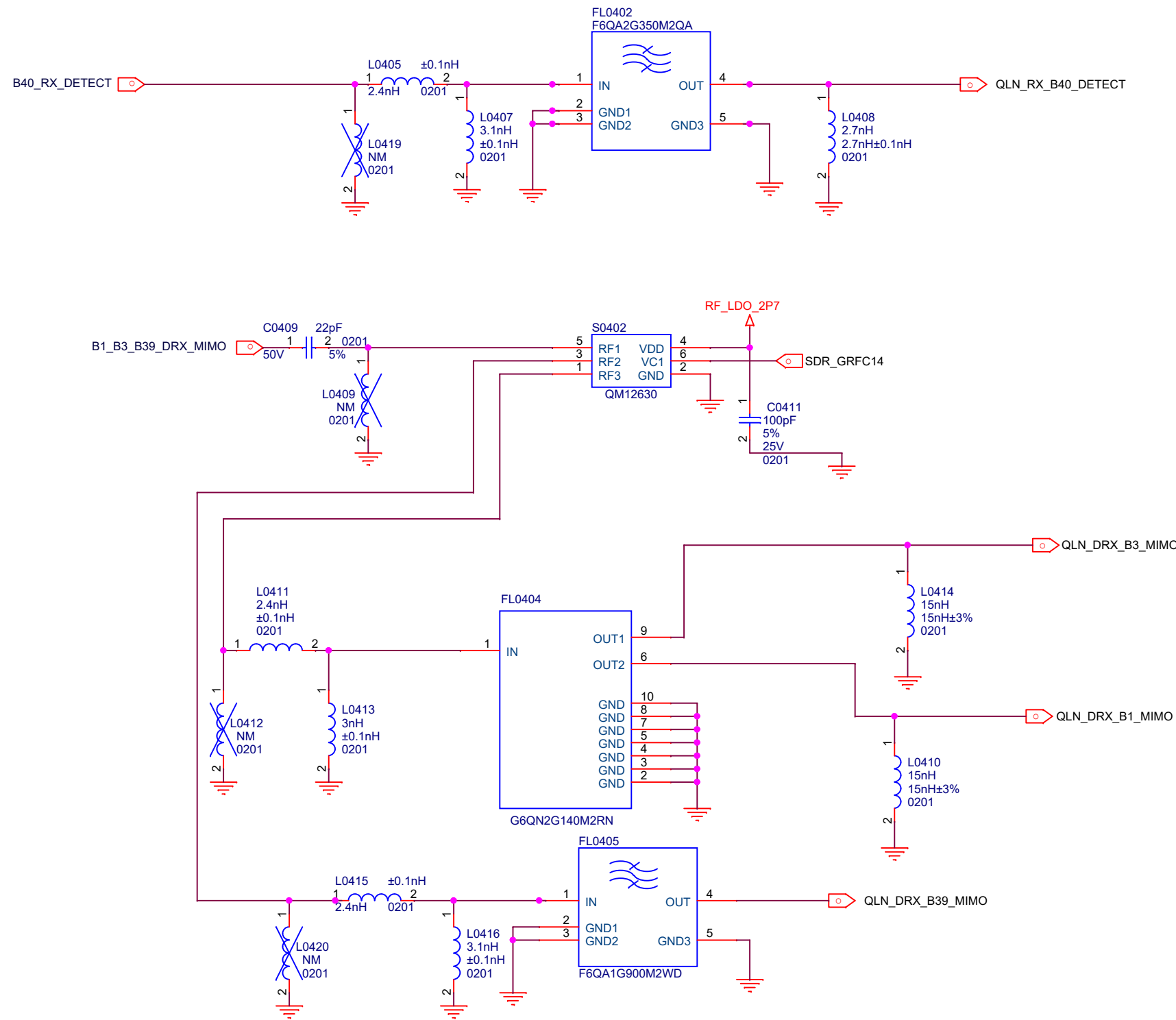
Bintang Benigno

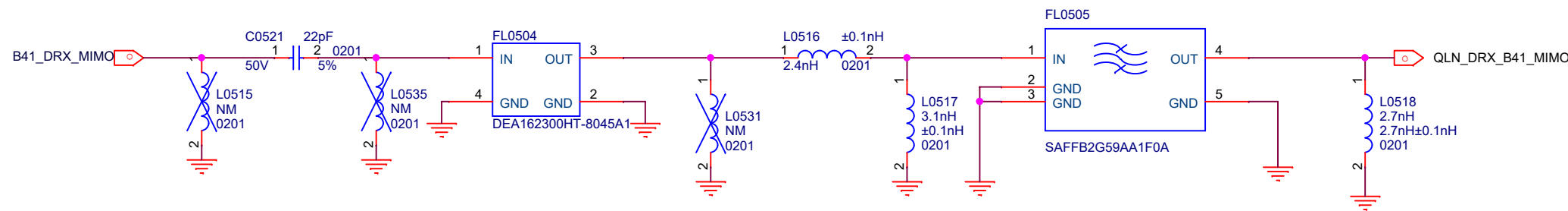
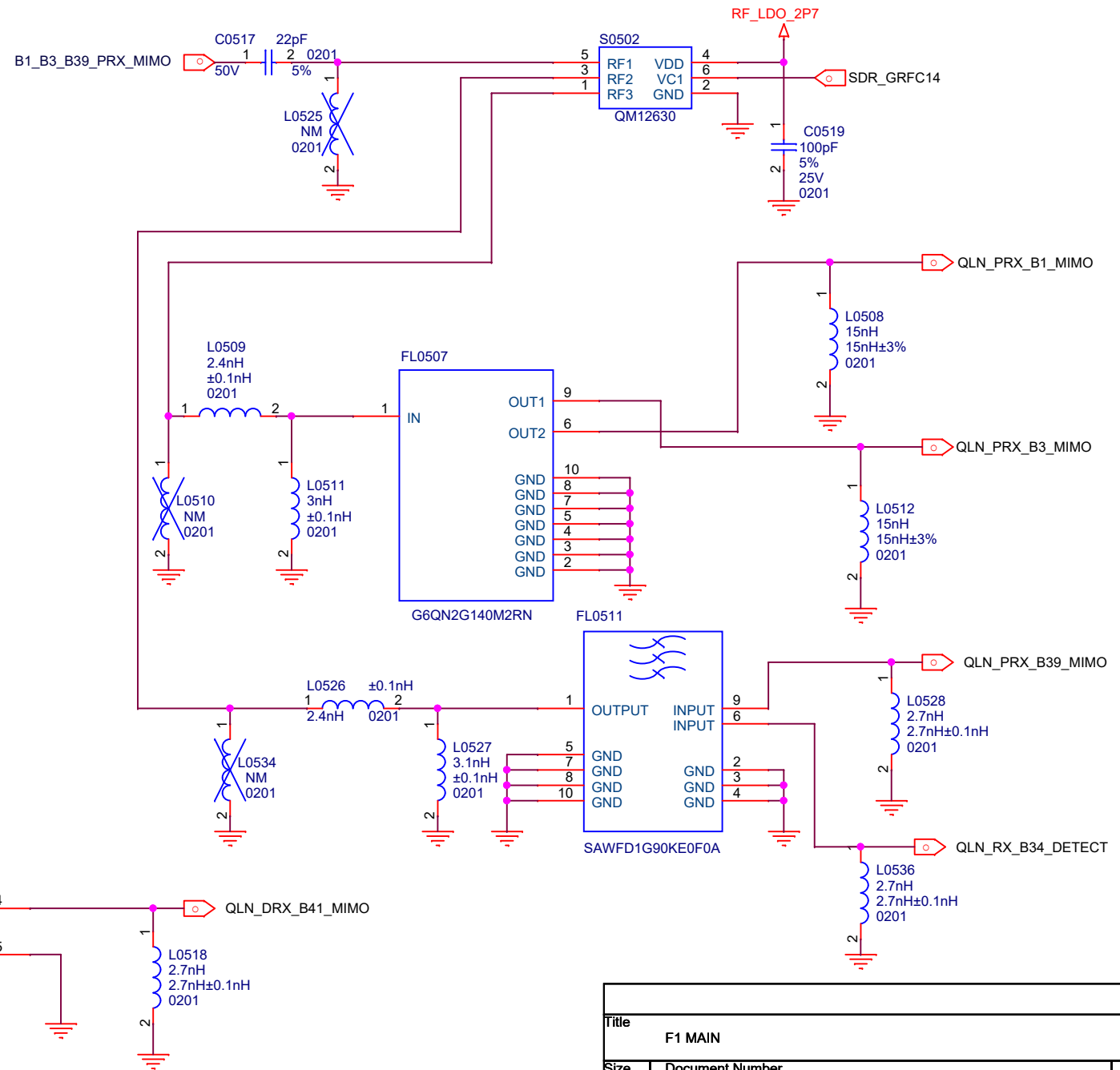
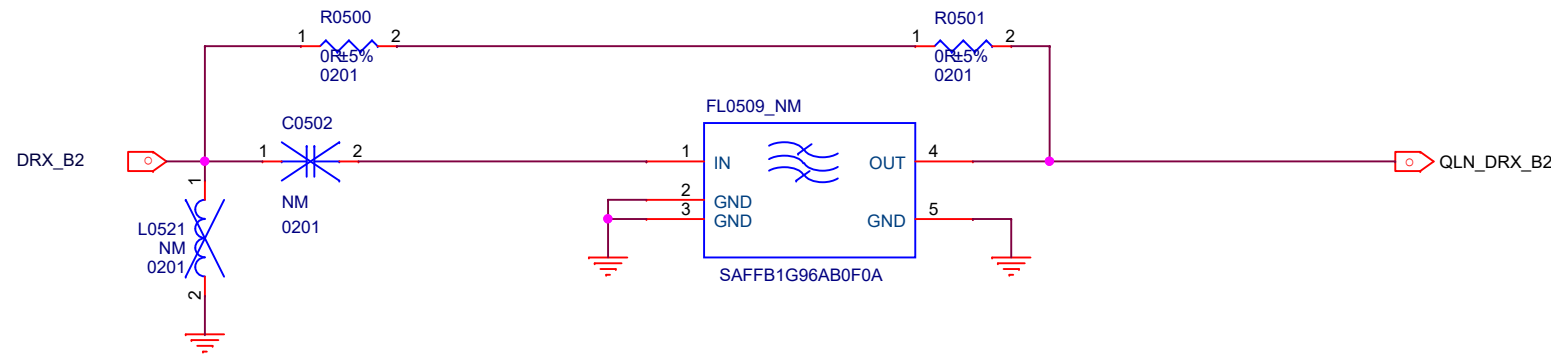
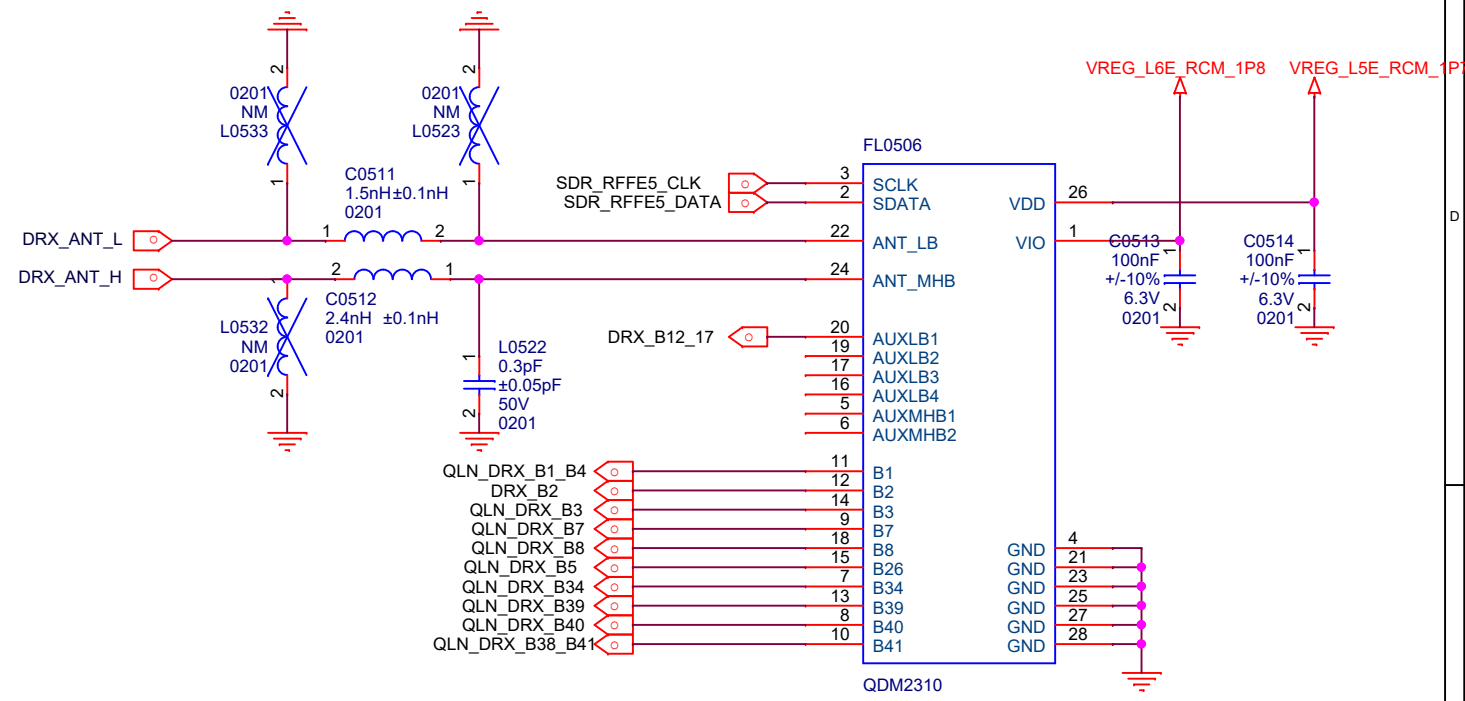
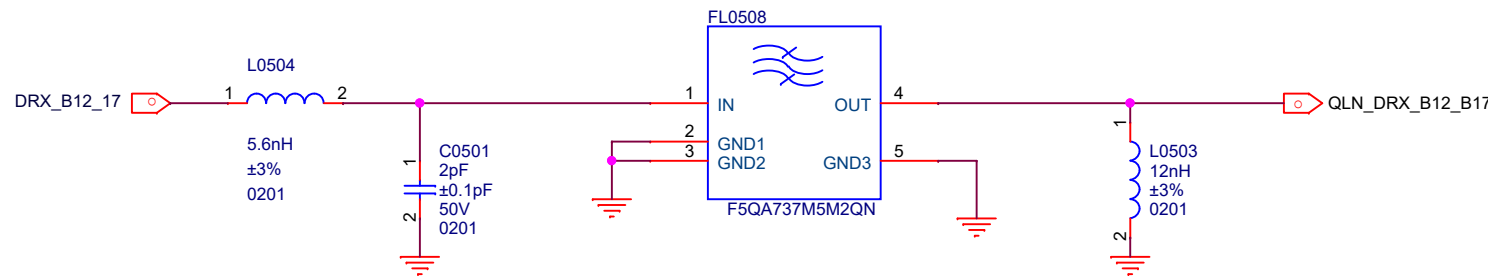
Title			<Title>
Size	A3	Document Number	<Doc>
Date:	Friday, November 29, 2019	Sheet	2 of 74





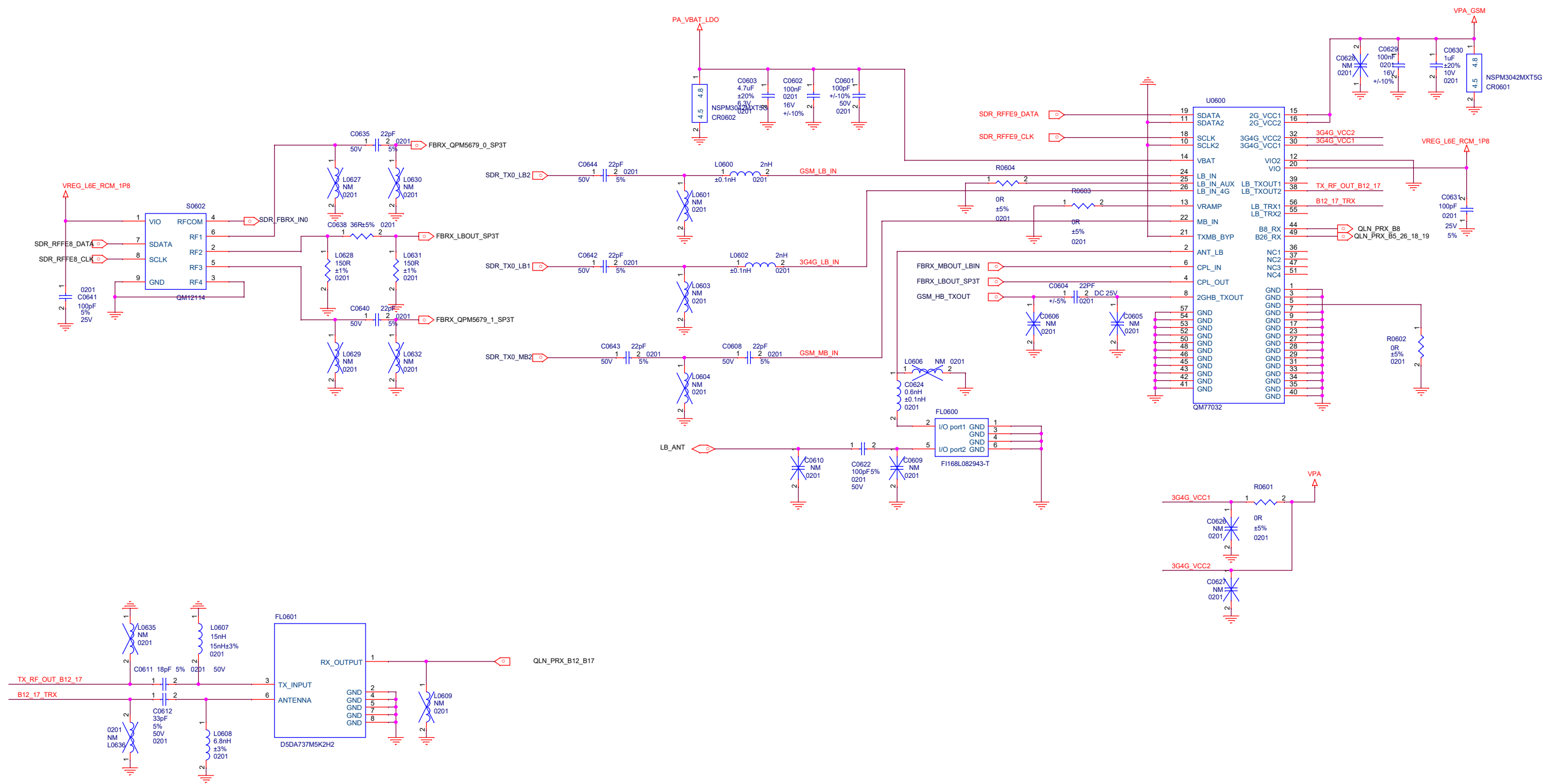
# Bintang AIO TEAM INDONESIA





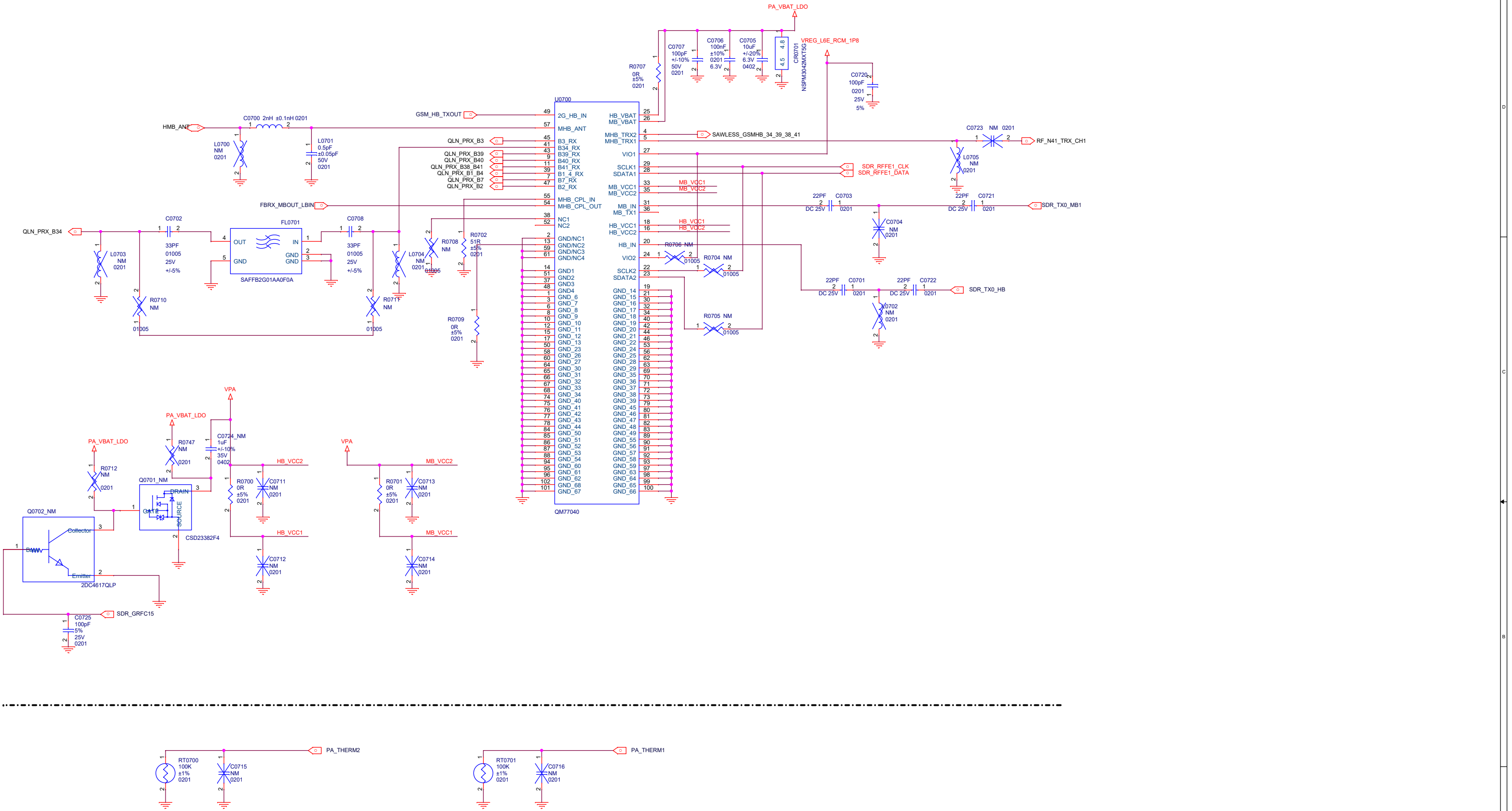
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F1 MAIN		
Size	Document Number	P0
A3	<Doc>	
Date:	Friday, November 29, 2019	Sheet 6 of 72

## LB S-PAD

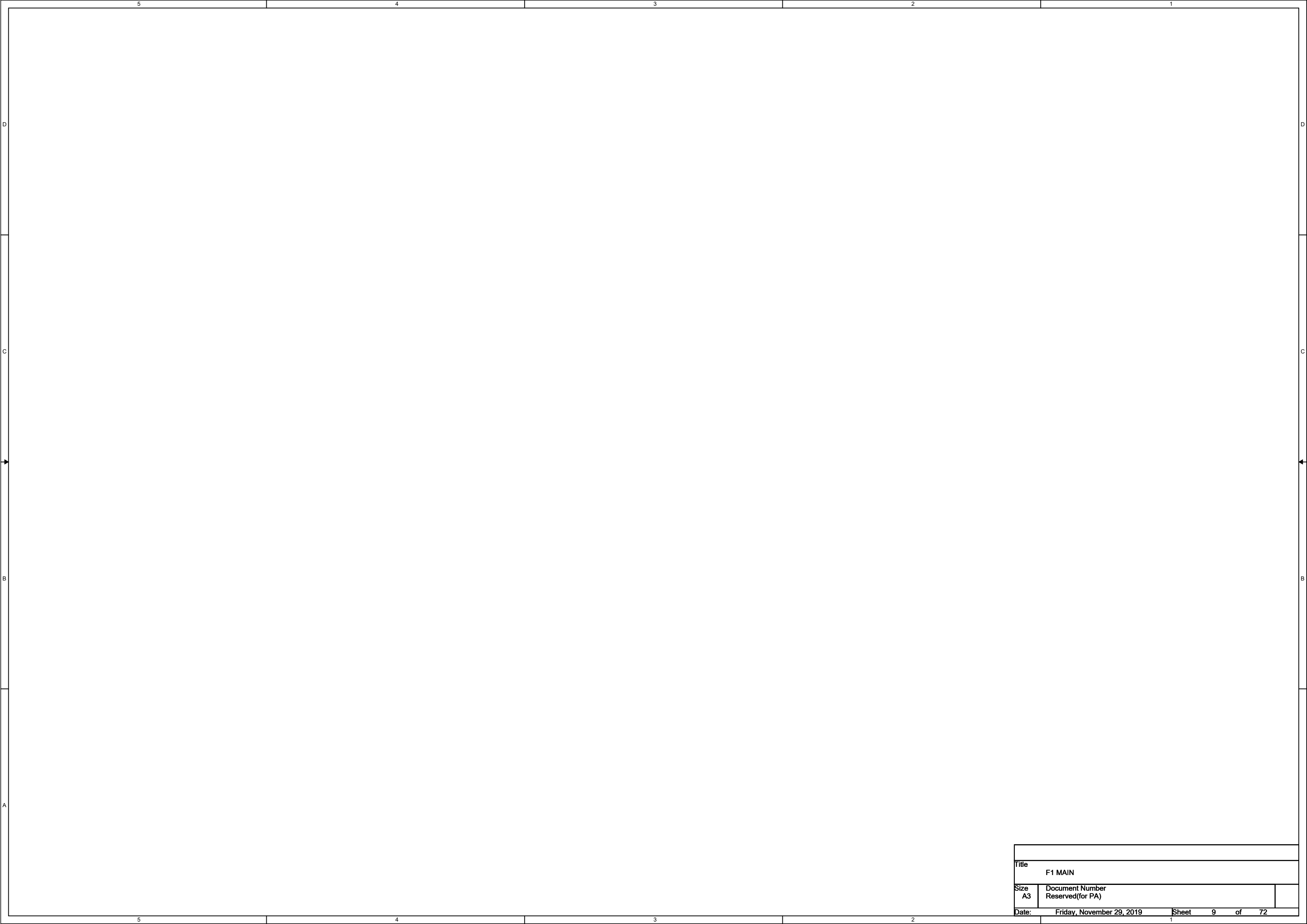




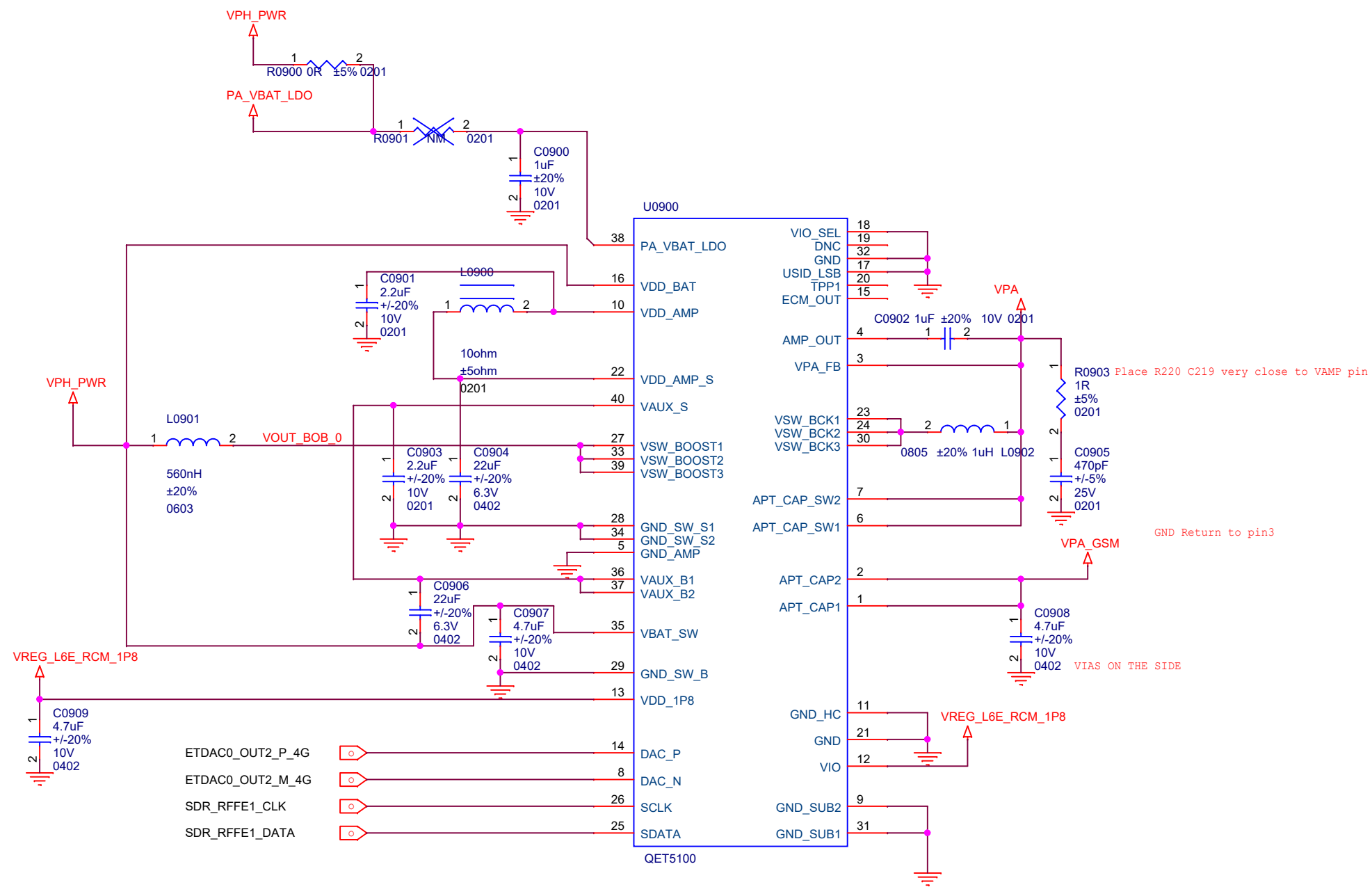
MHB S-PAD





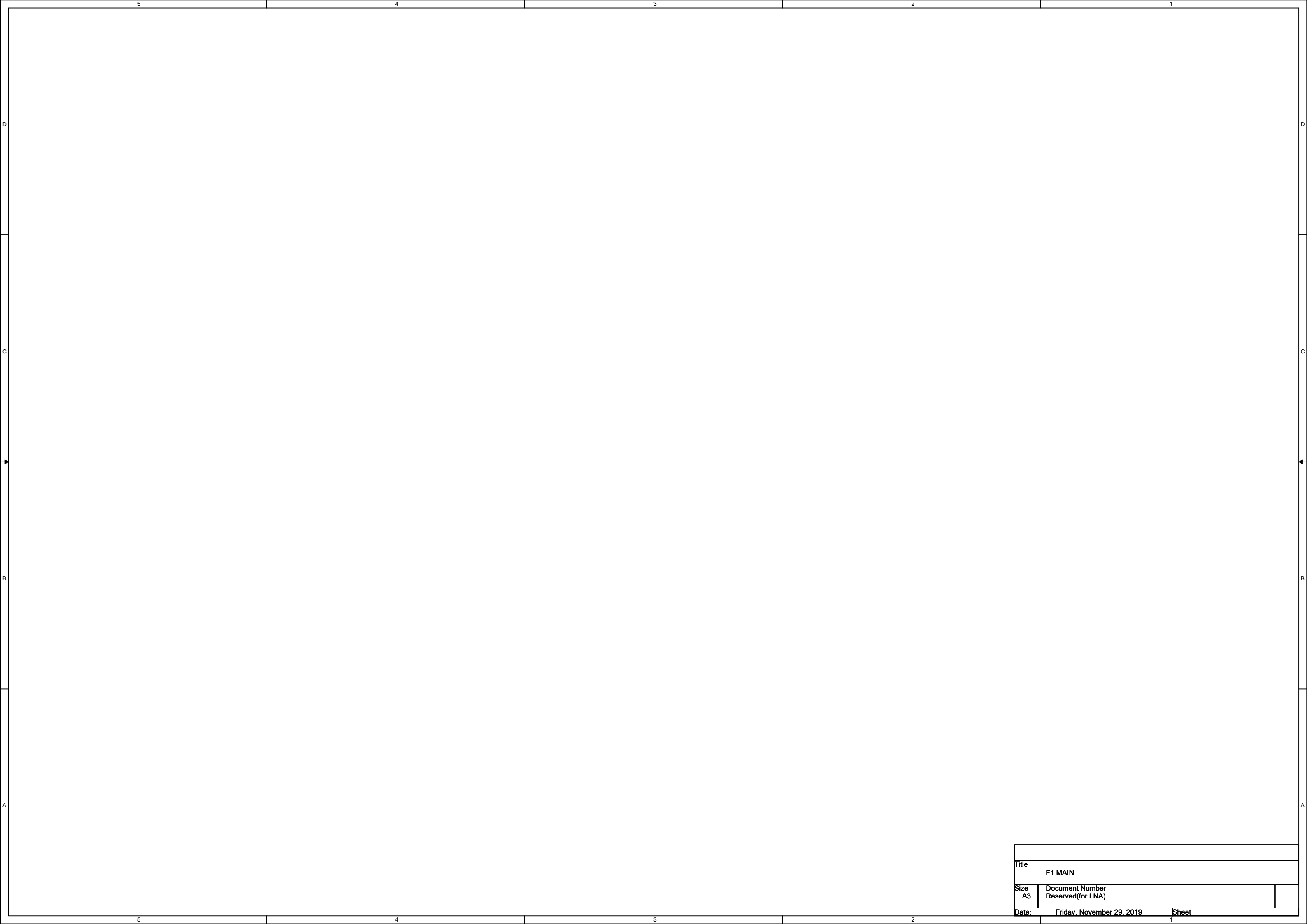


Title		
F1 MAIN		
Size	Document Number	
A3	Reserved(for PA)	
Date:	Friday, November 29, 2019	Sheet 9 of 72



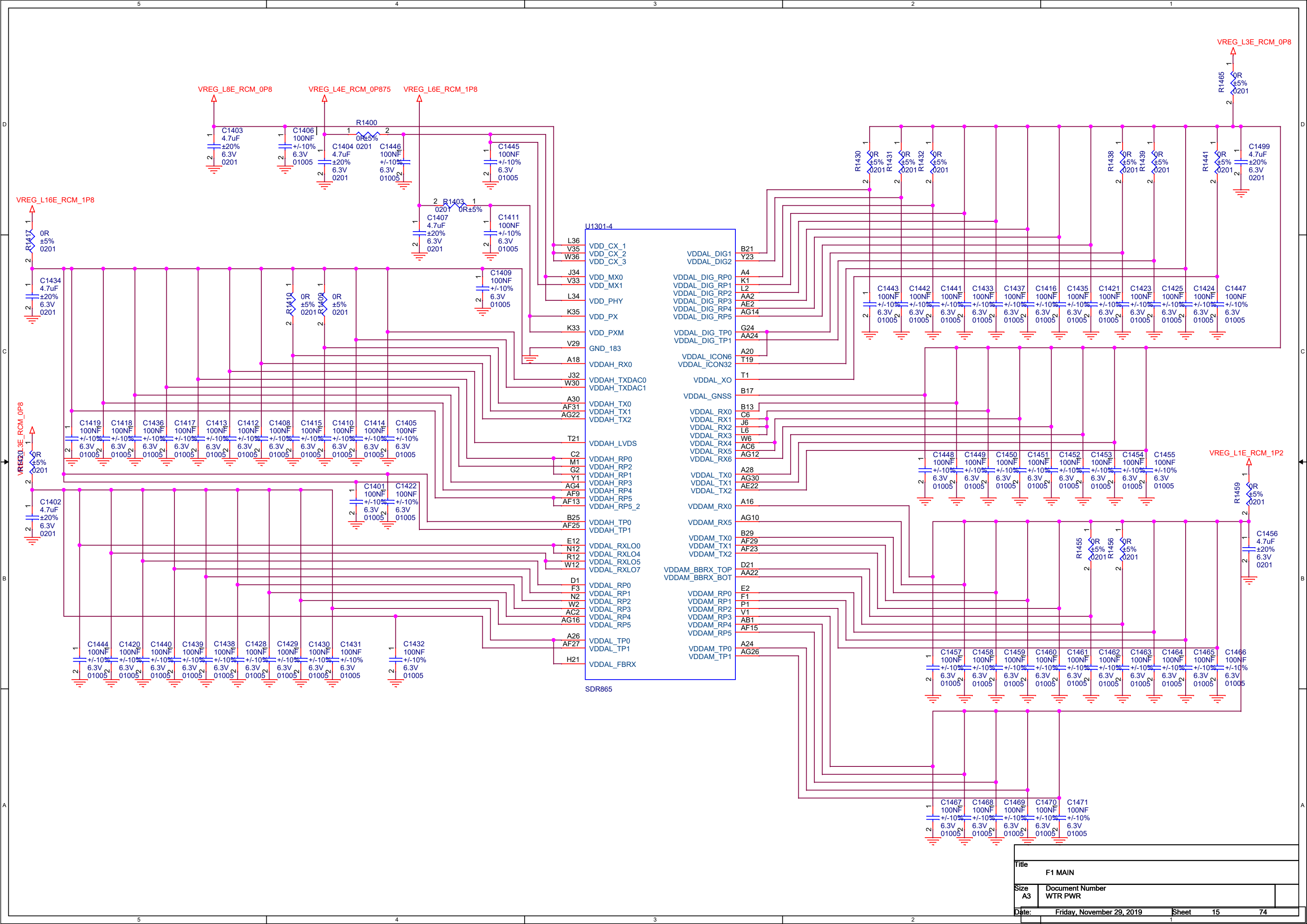




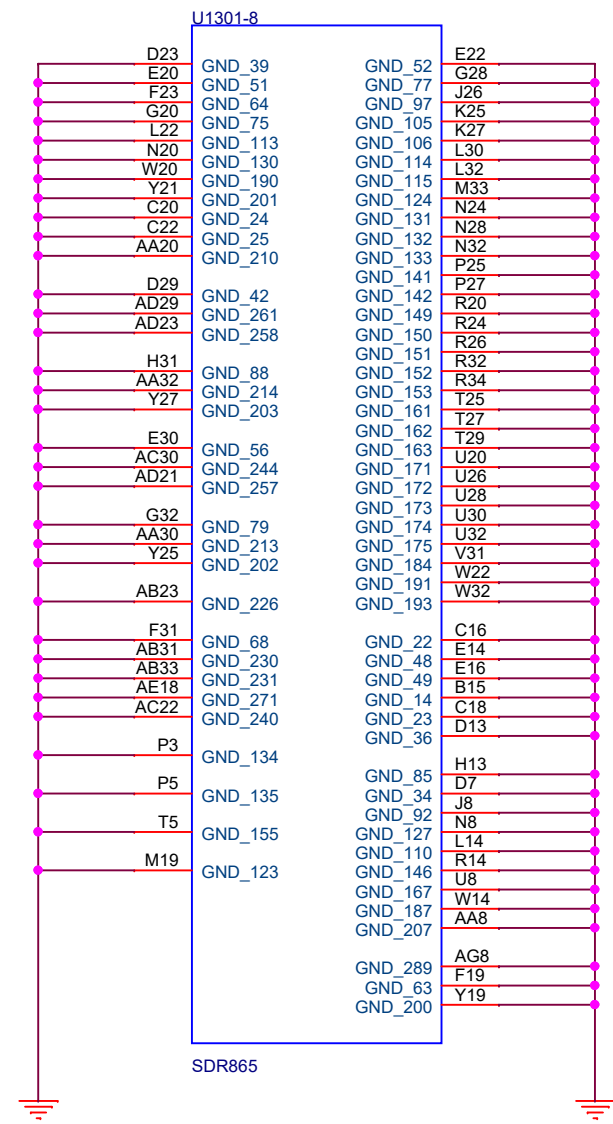
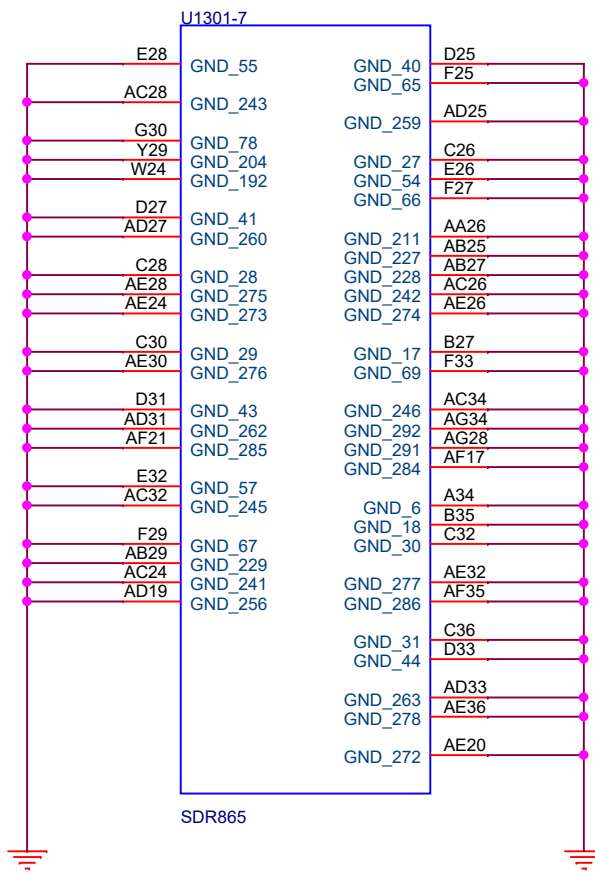
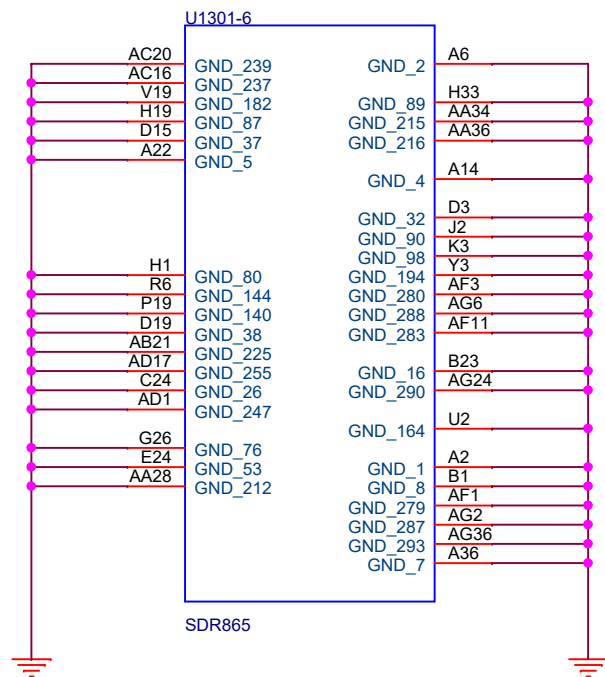
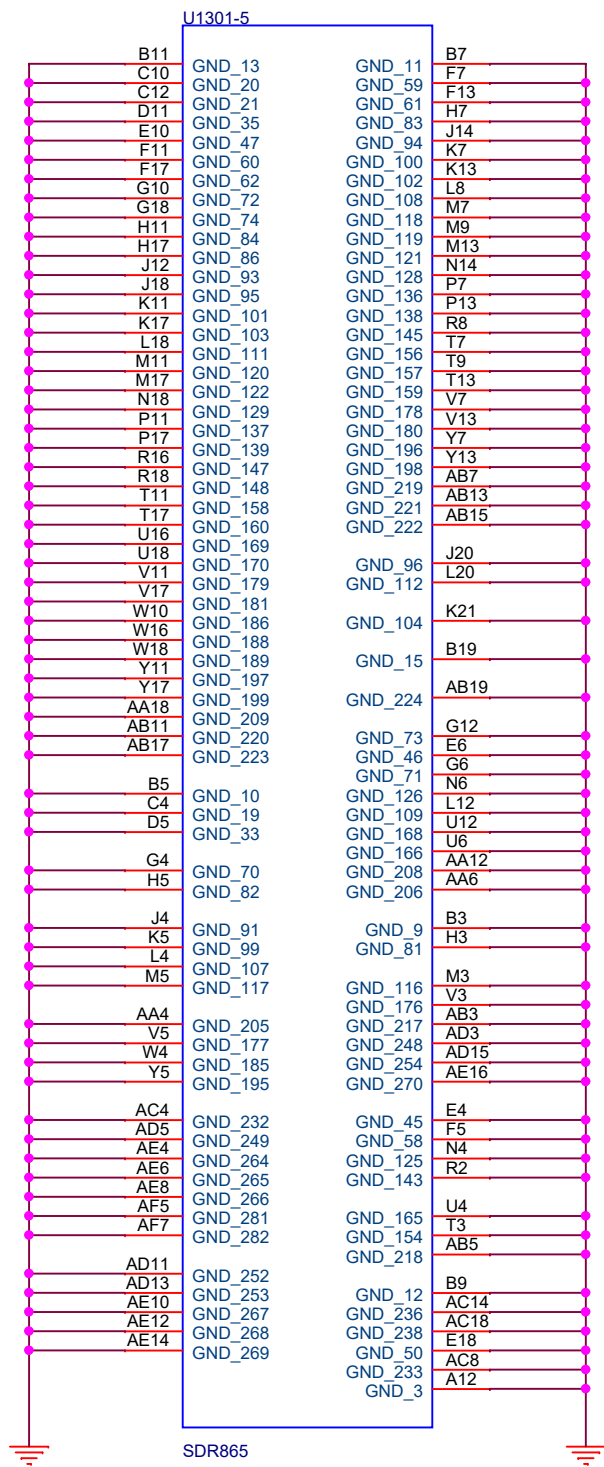


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Size	Document Number	
A3	Reserved(for LNA)	
Date:	Friday, November 29, 2019	Sheet



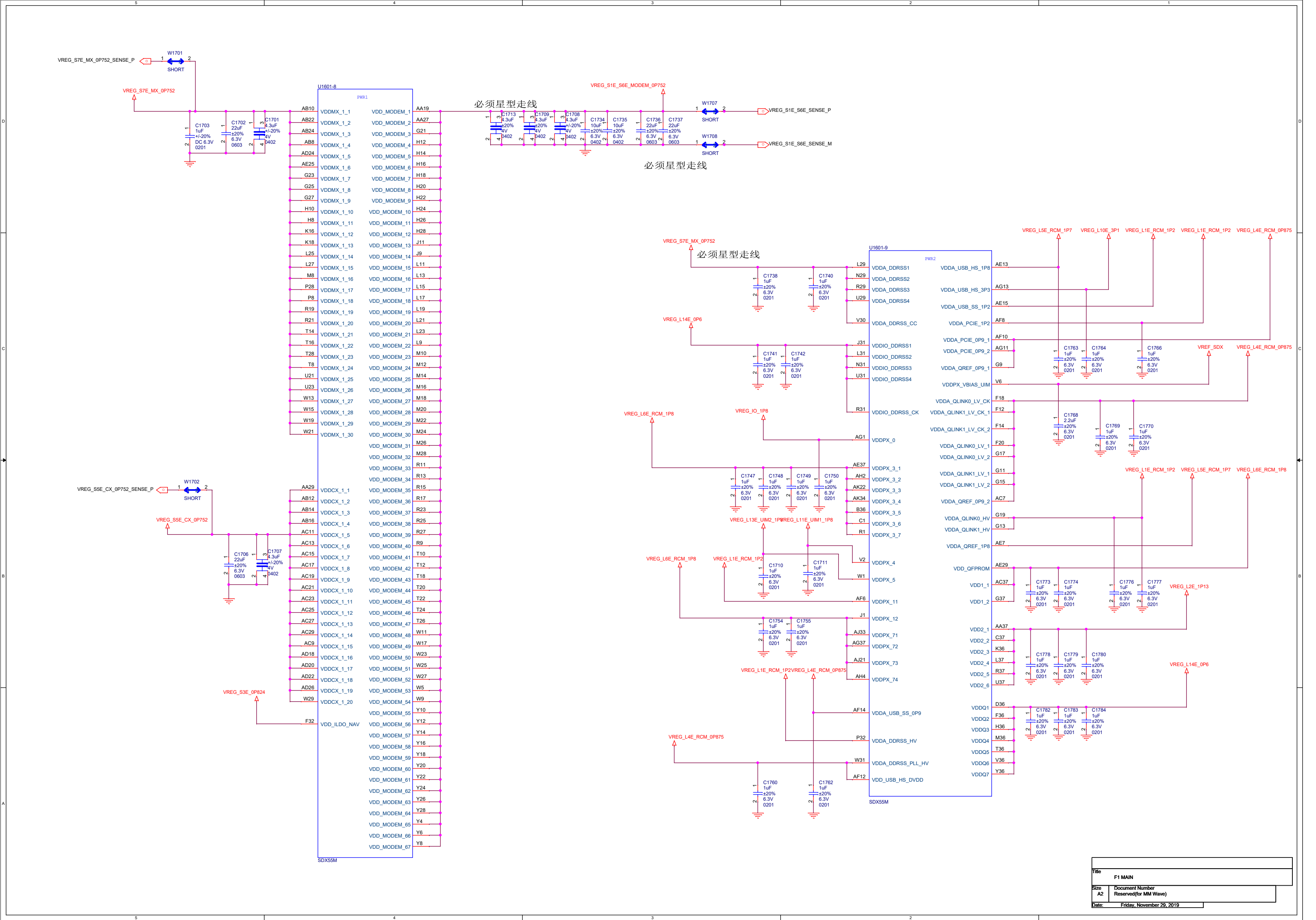


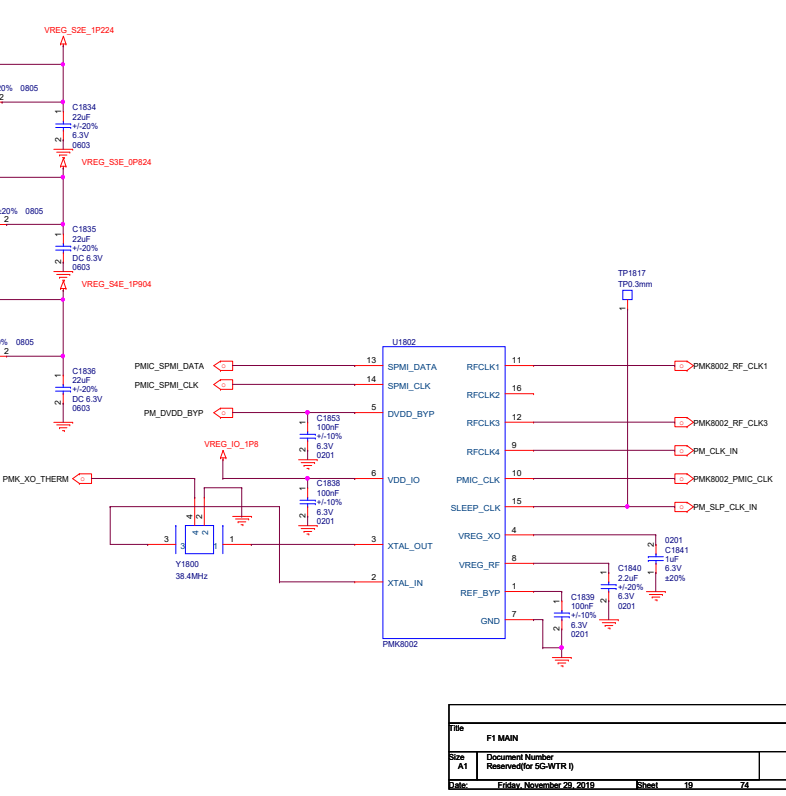
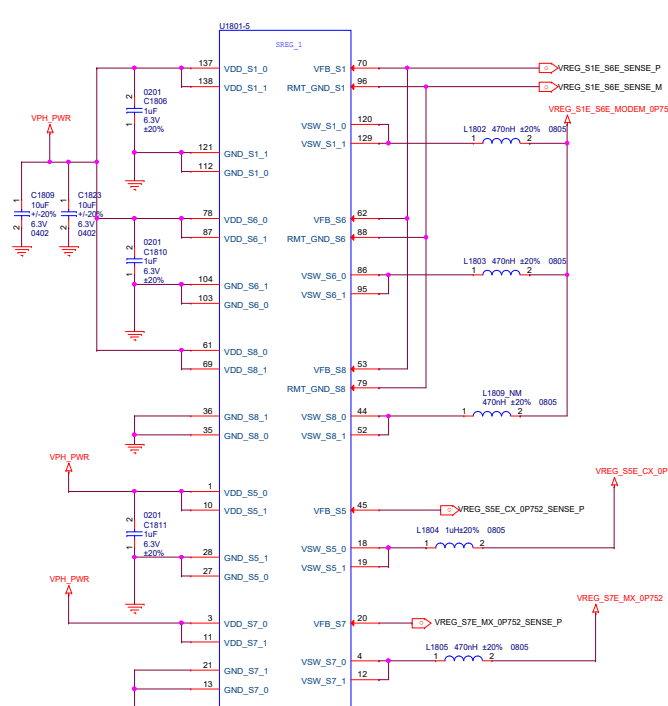


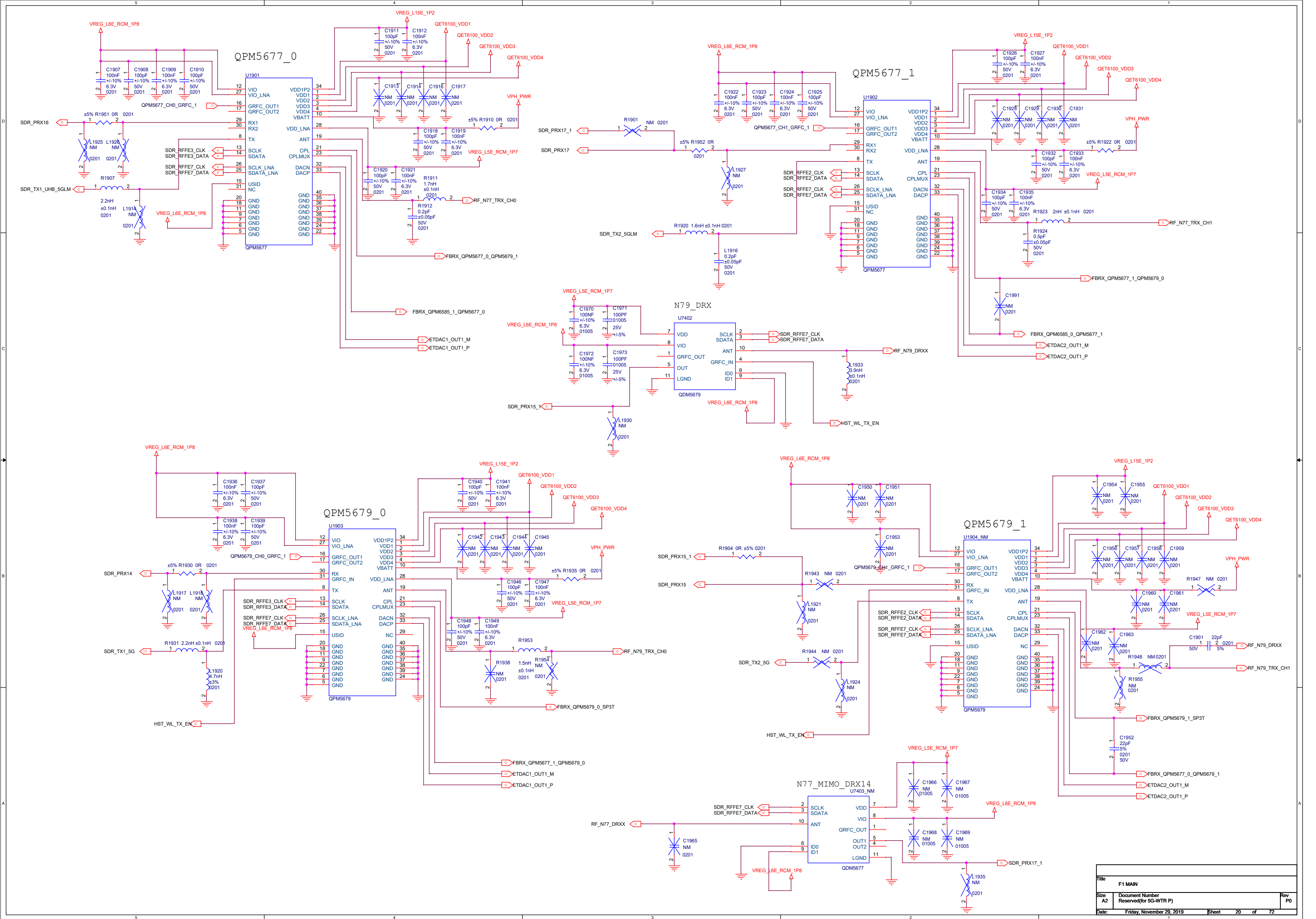


Bintang AIO TEAM INDONESIA

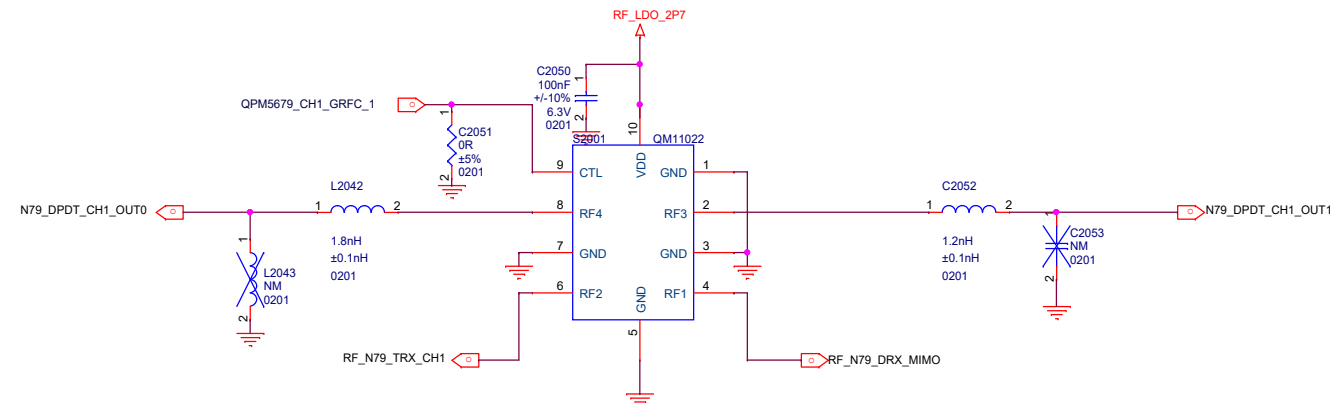
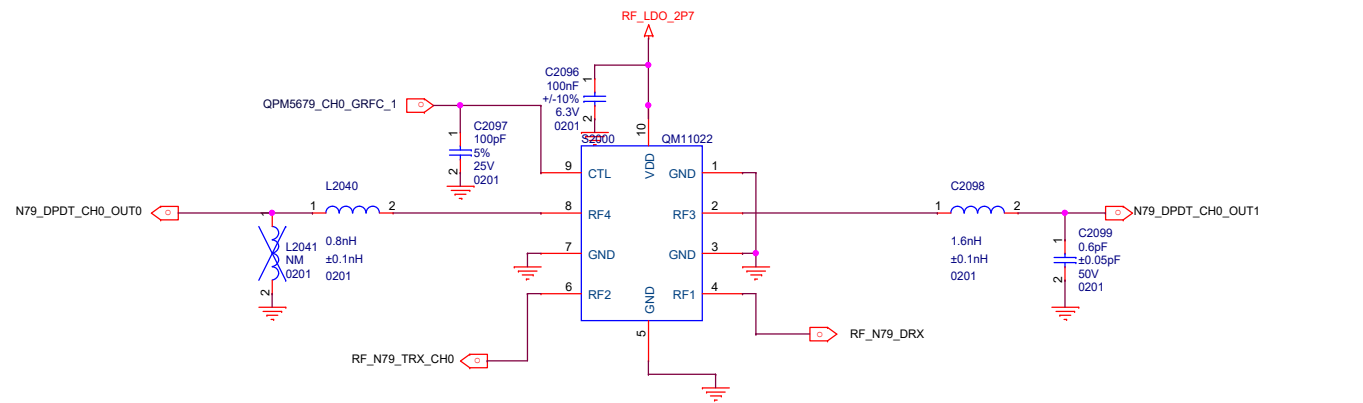
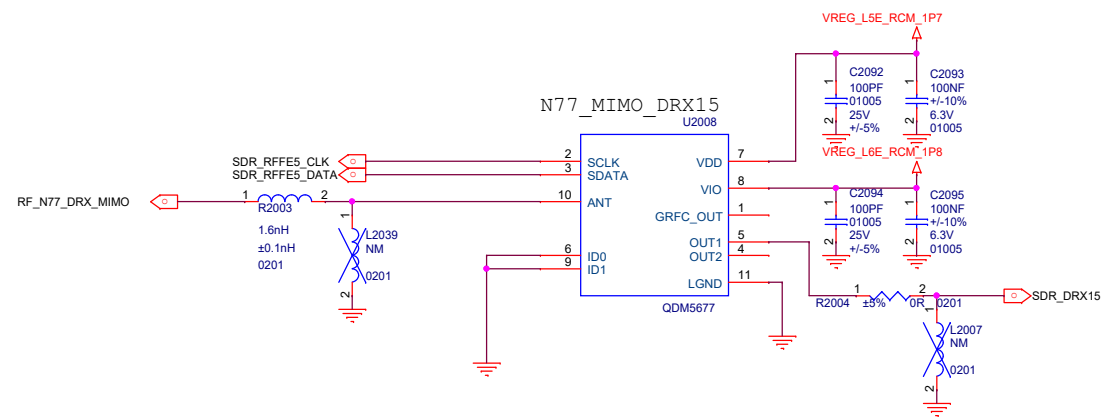
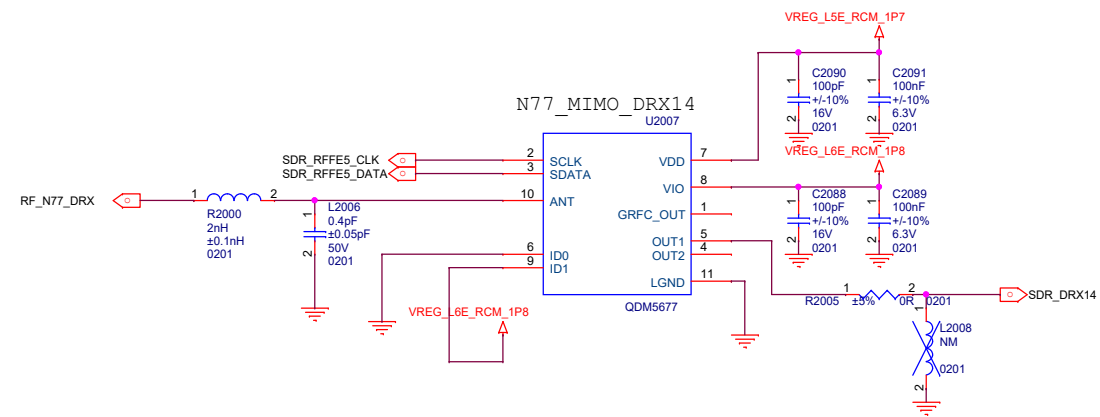
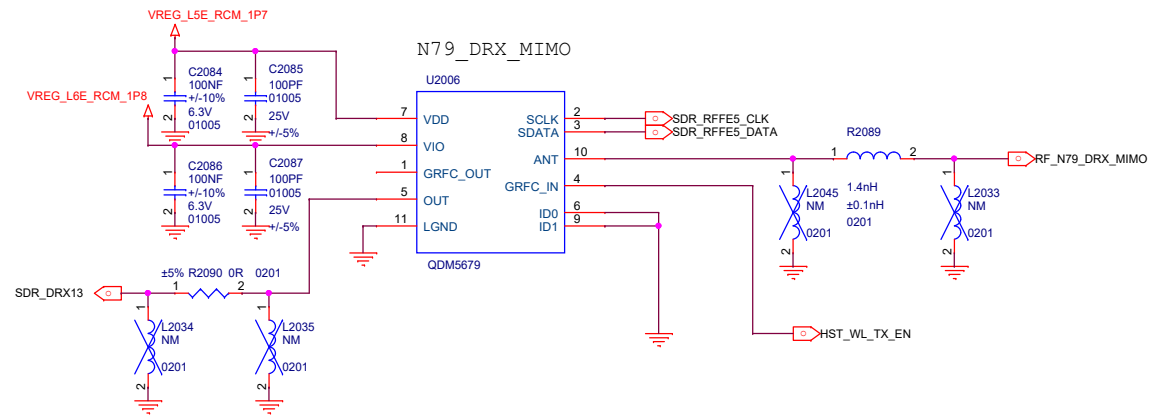
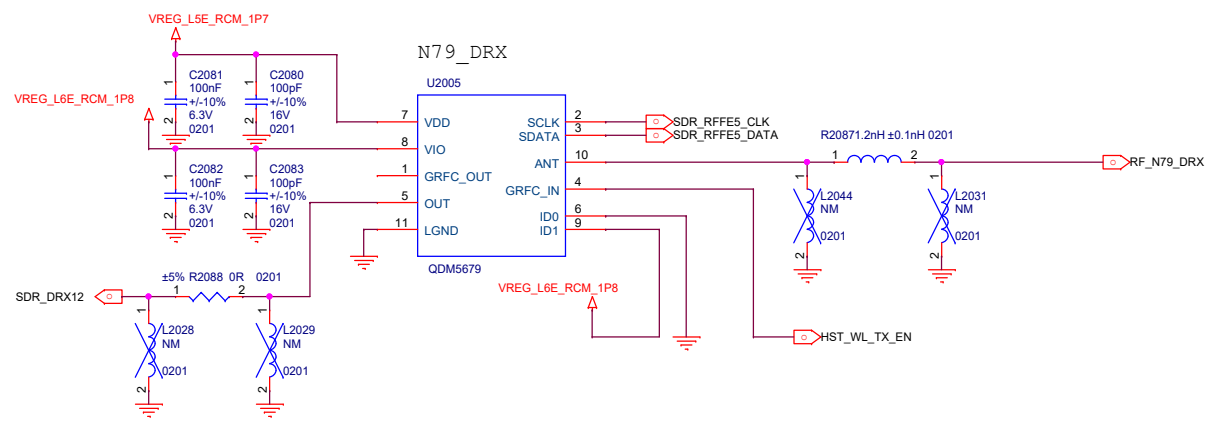
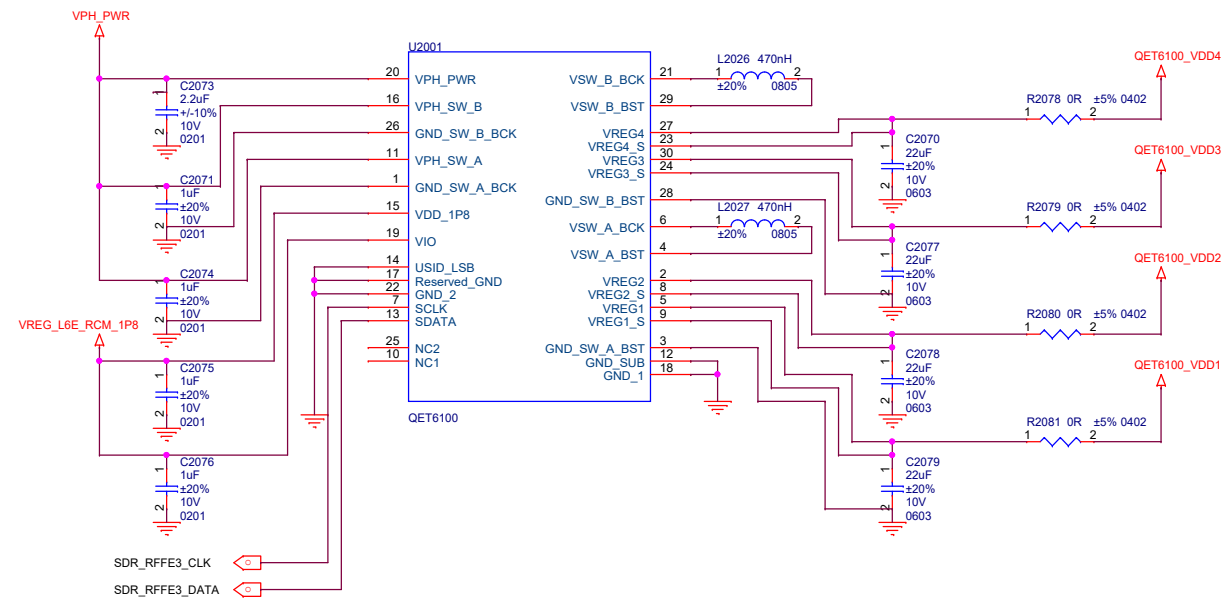


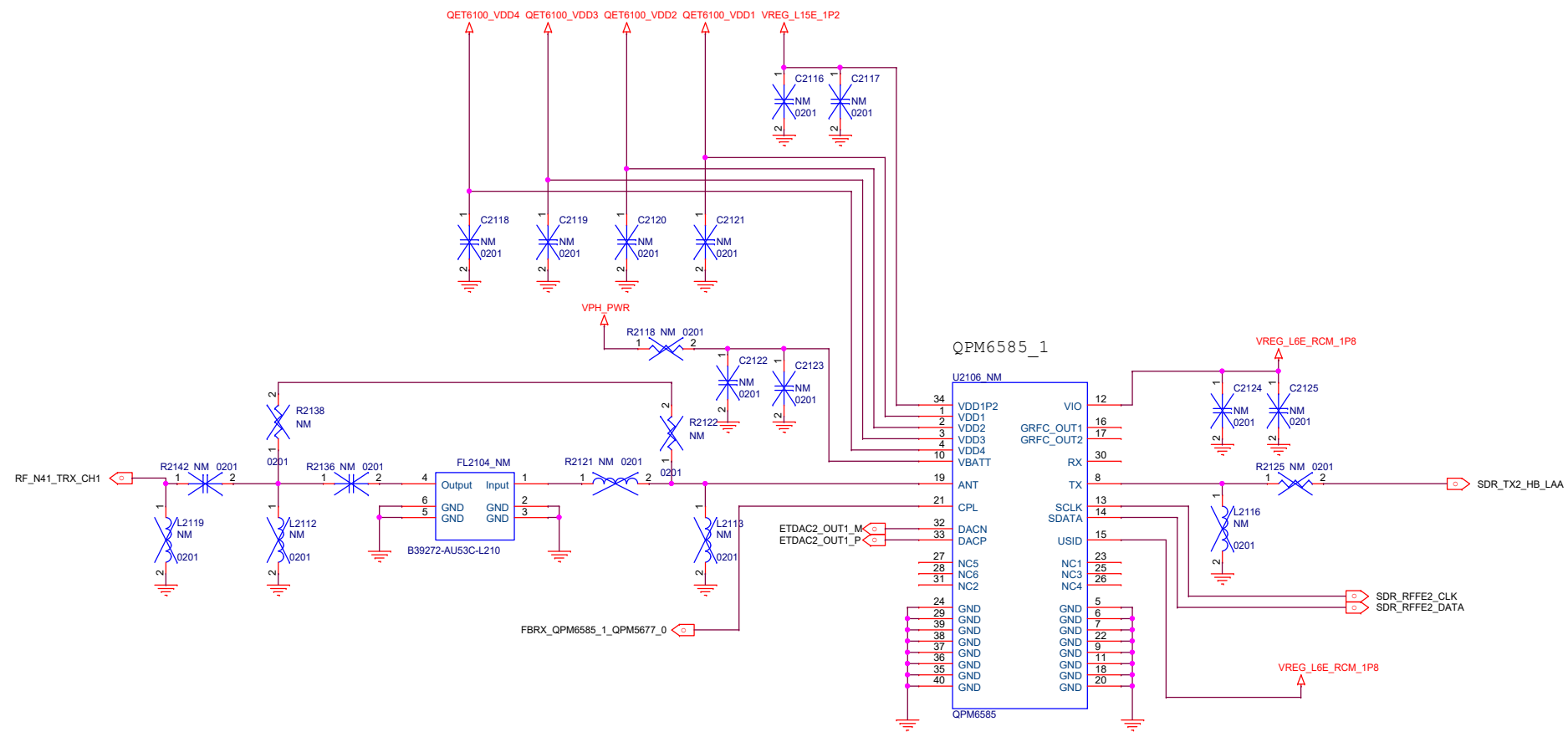
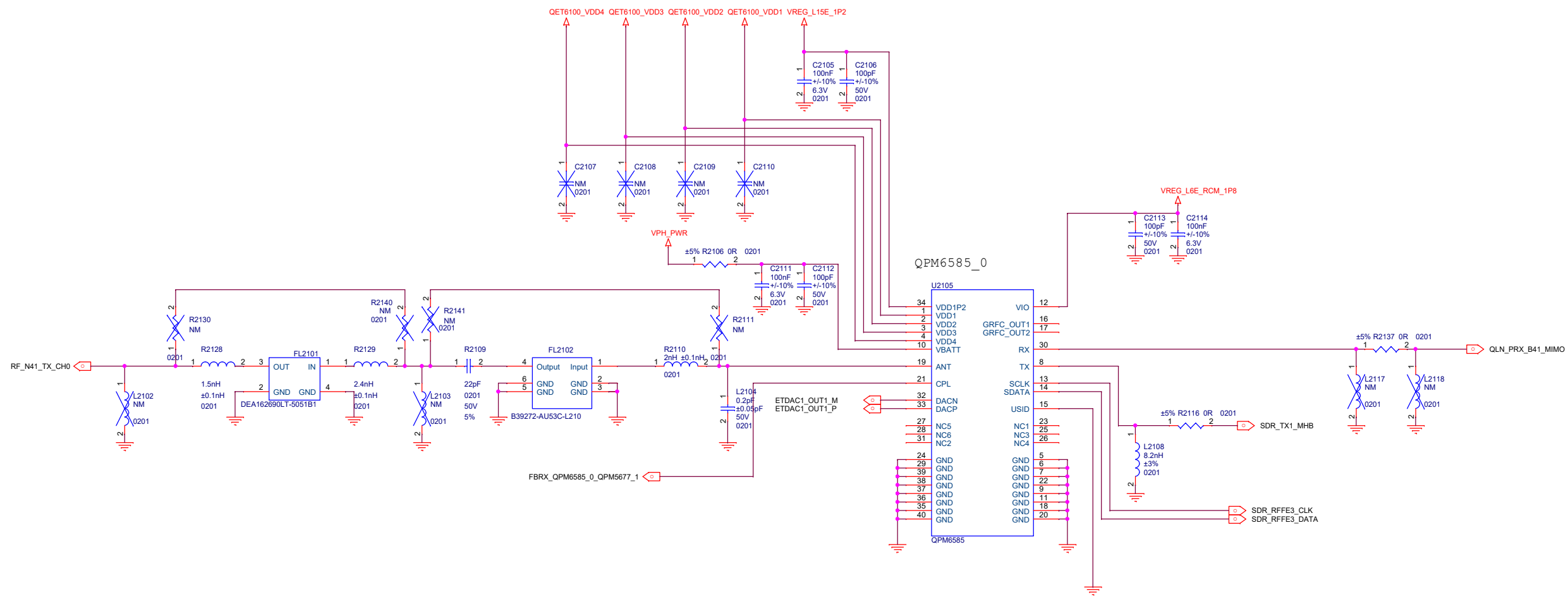






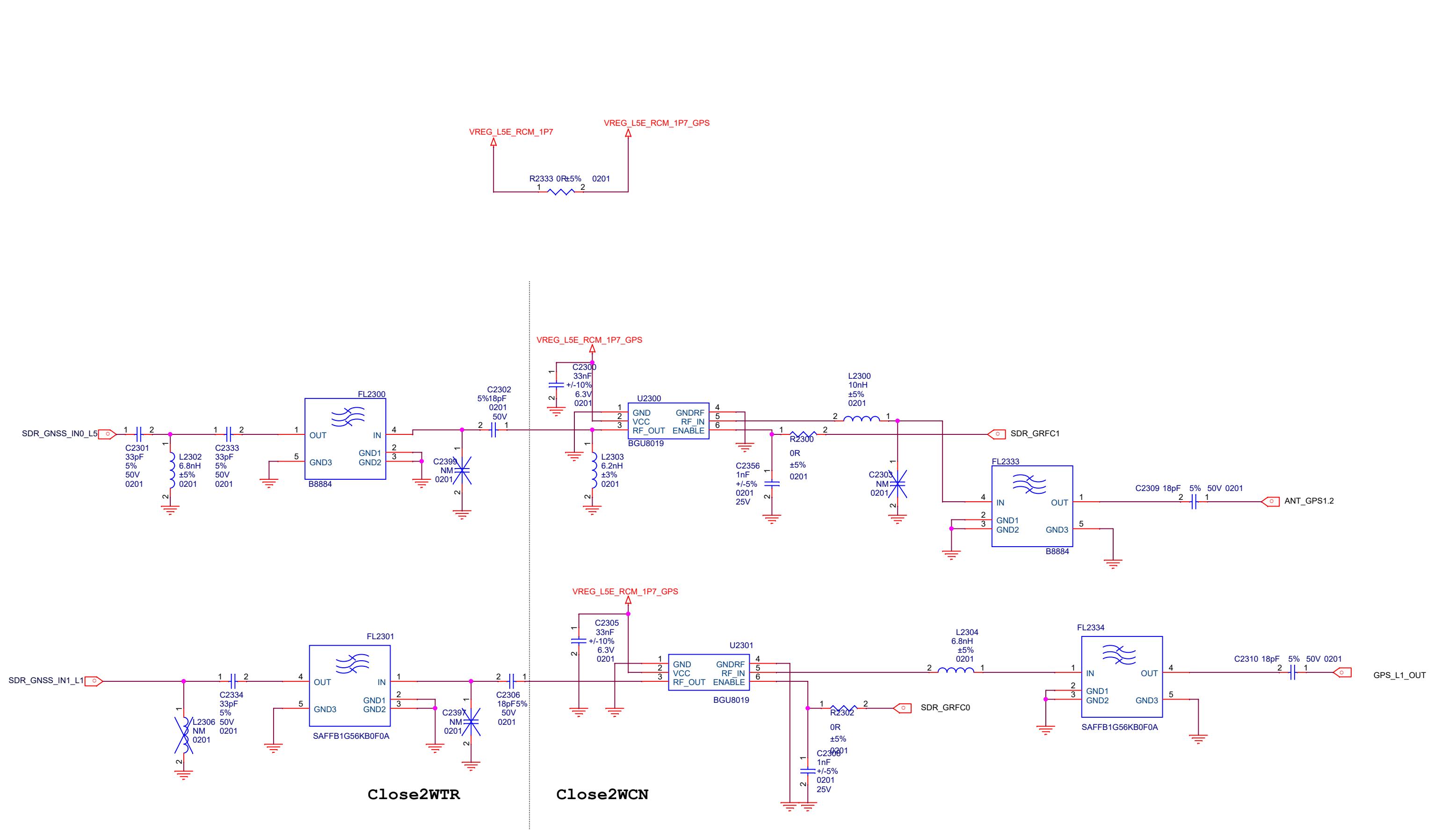


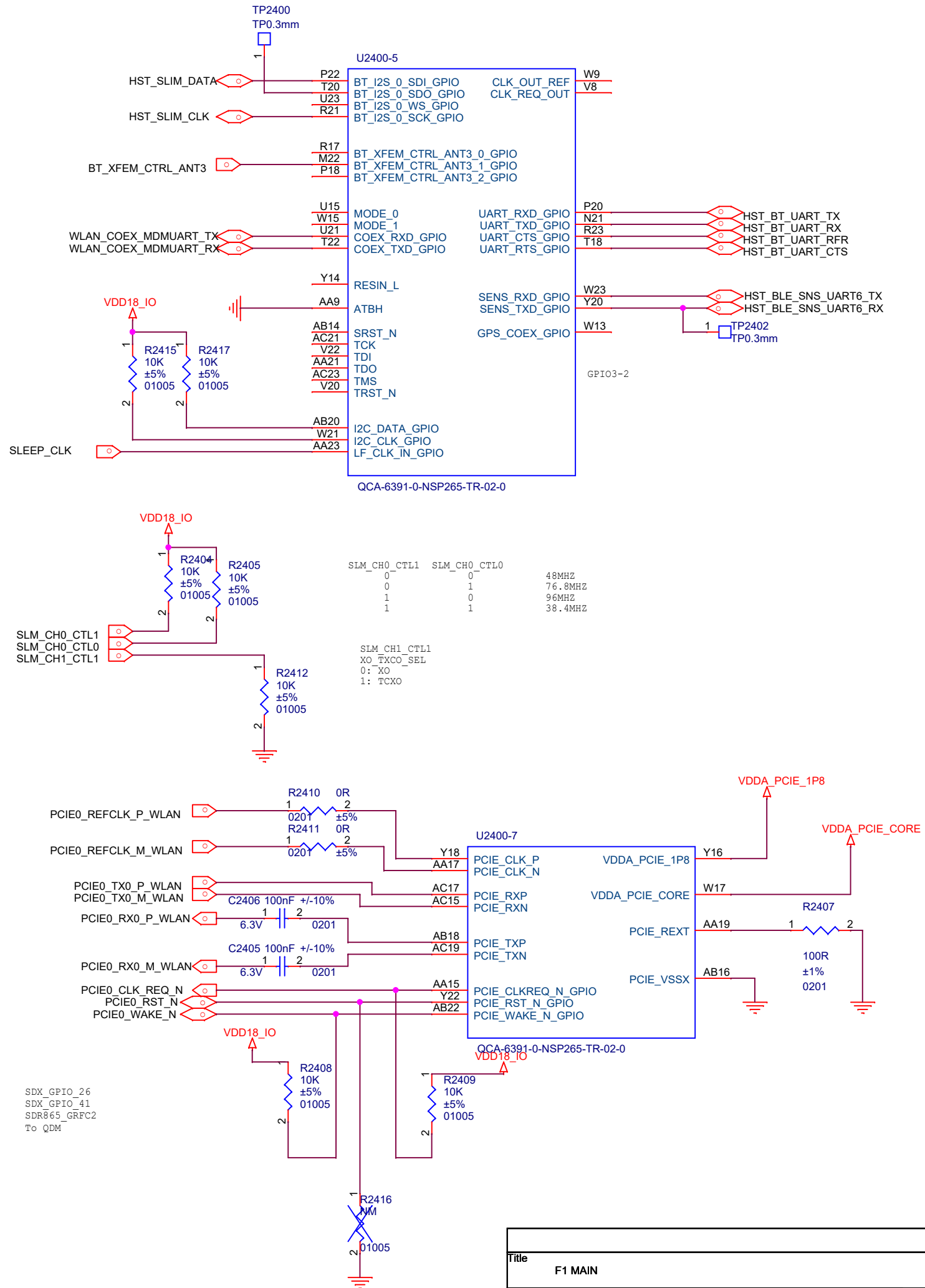
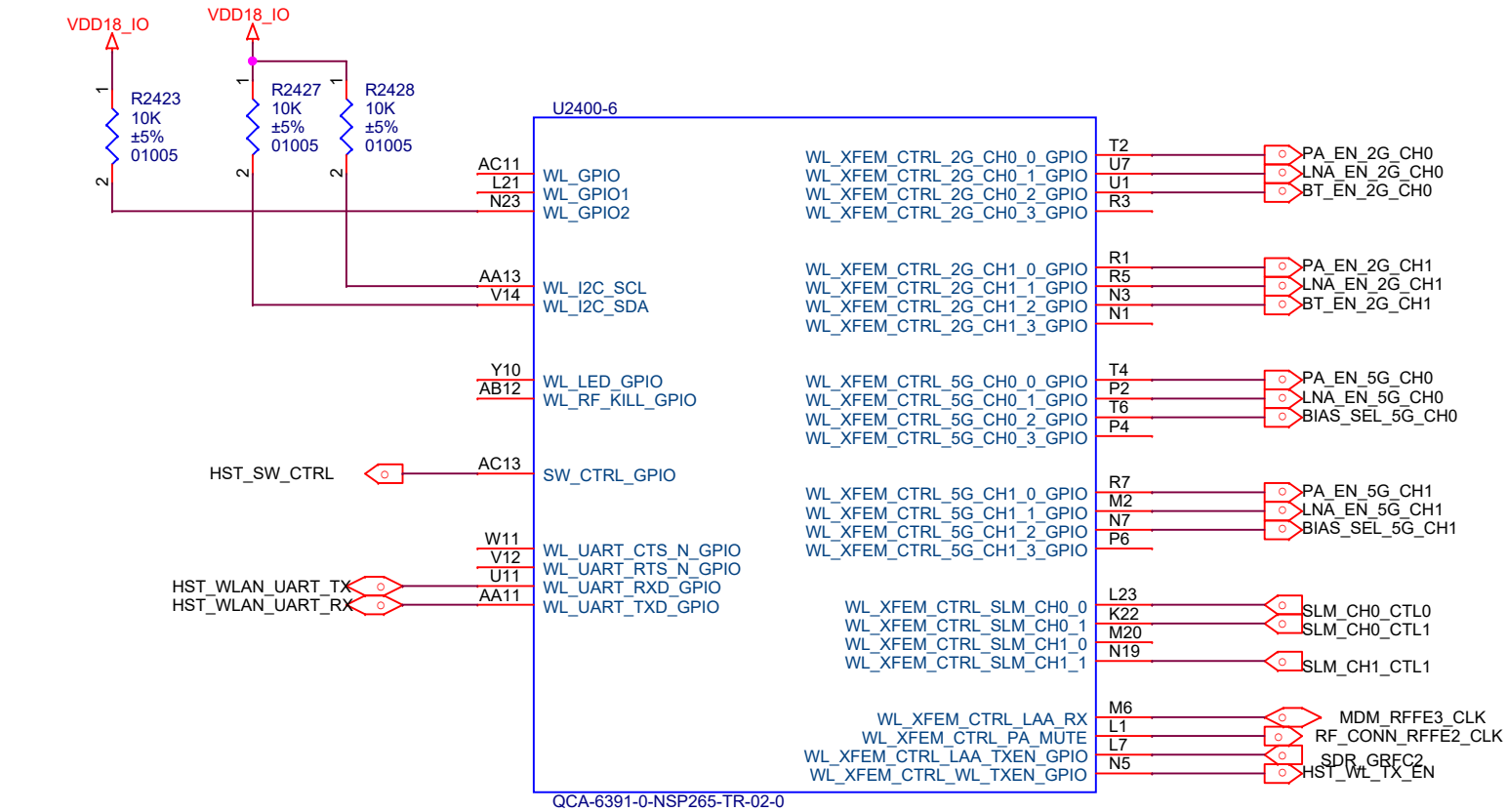
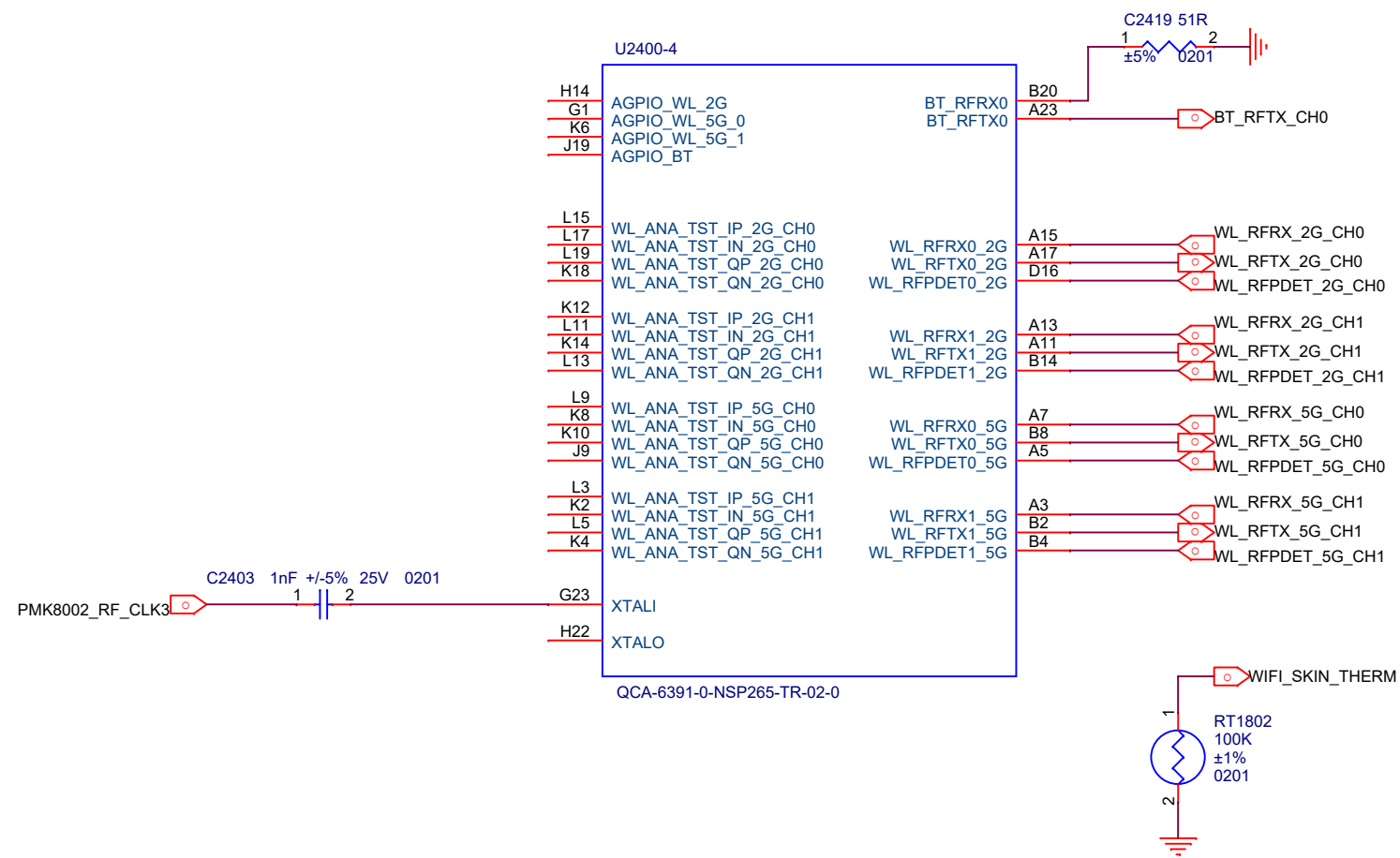


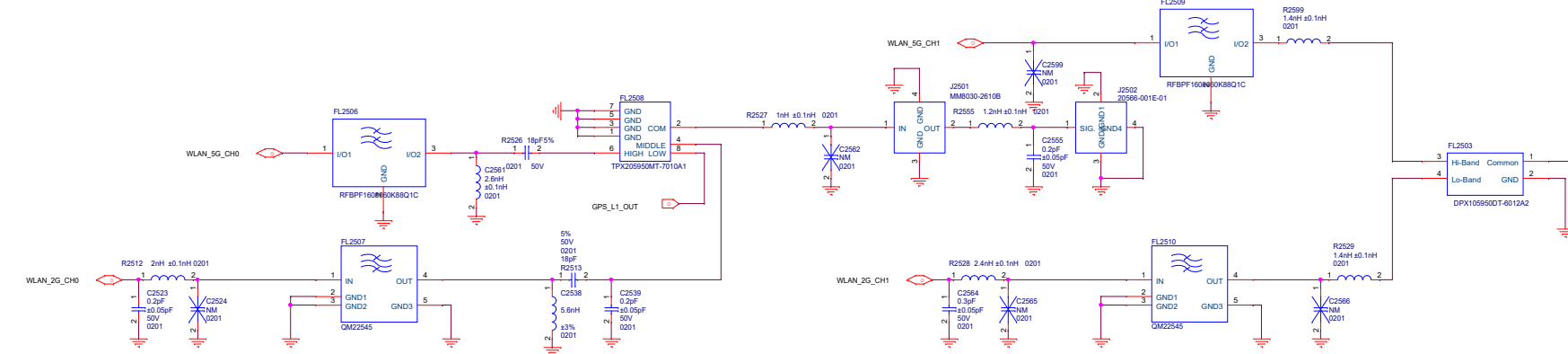
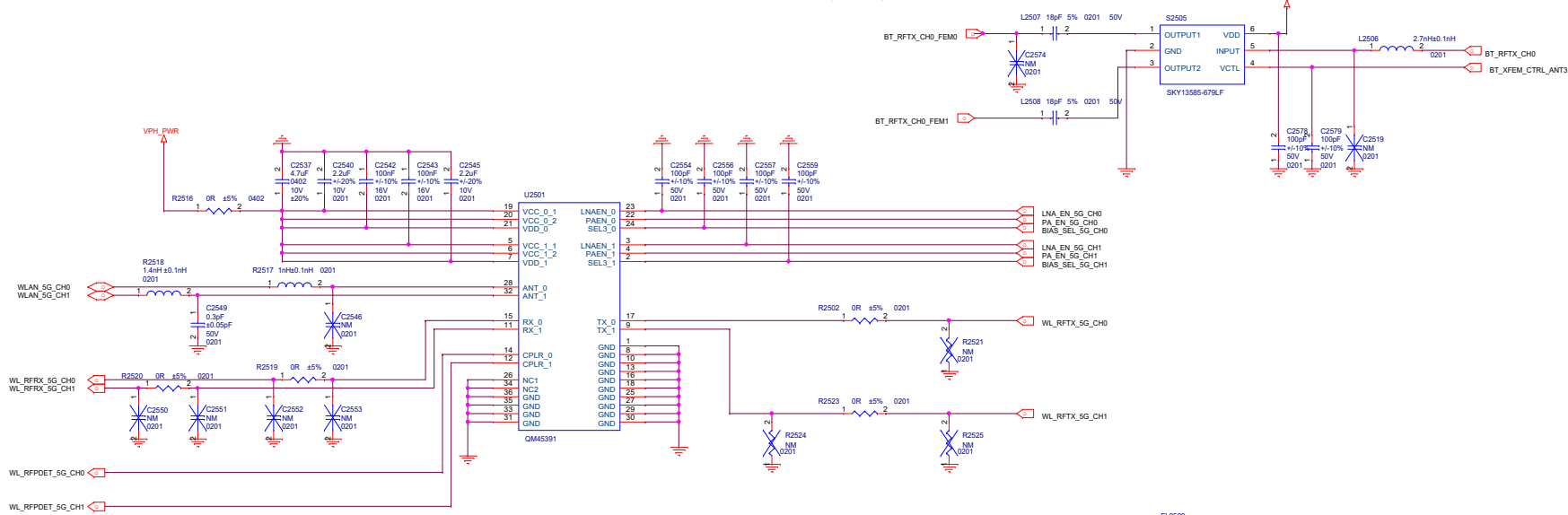
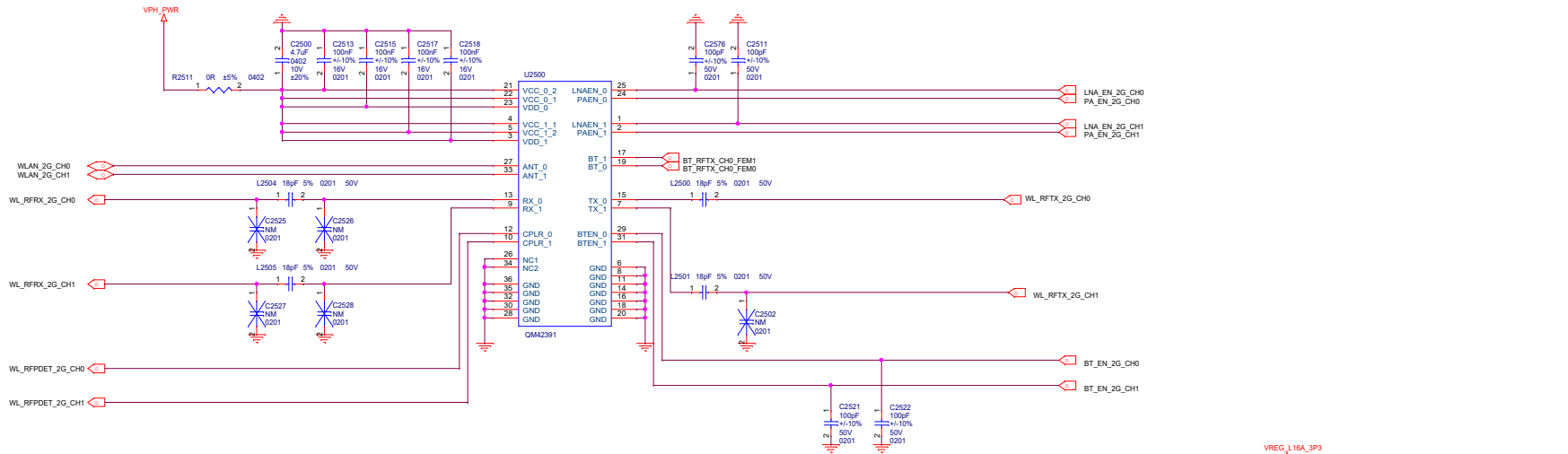




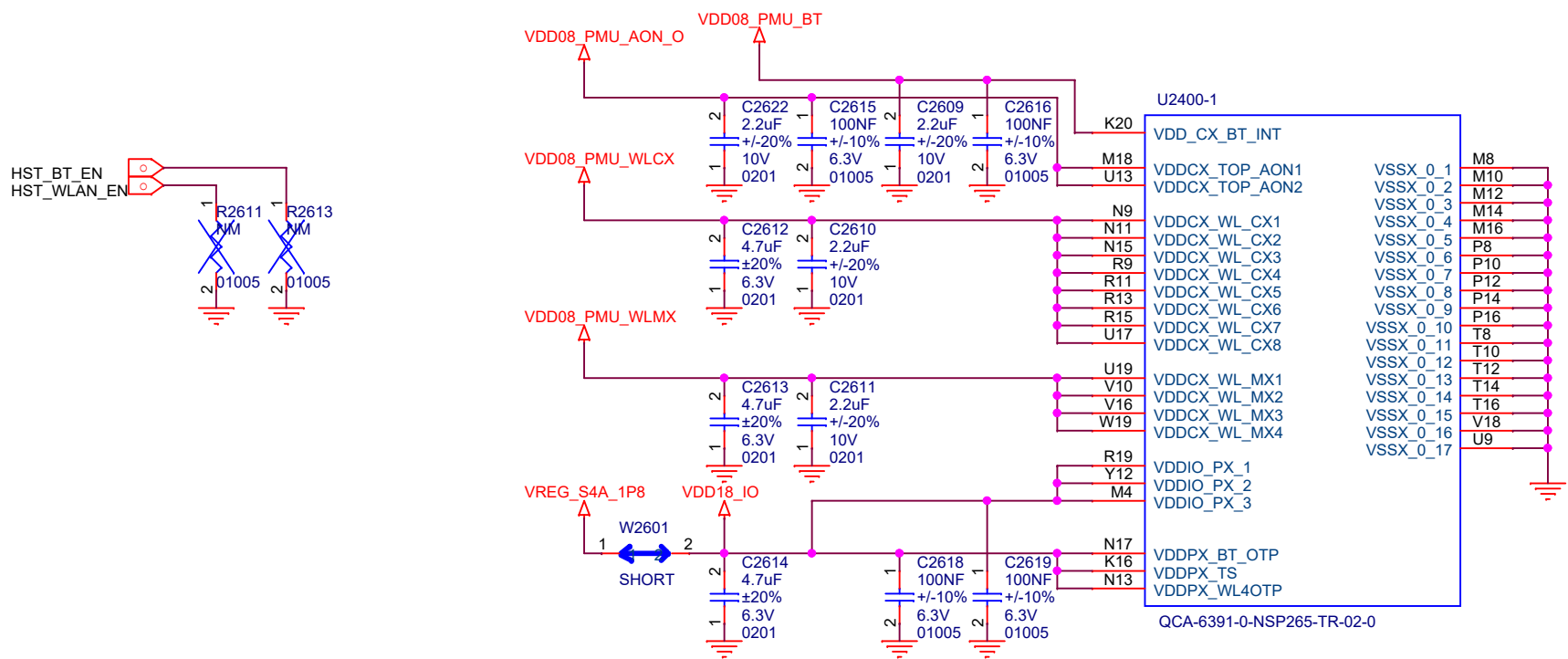
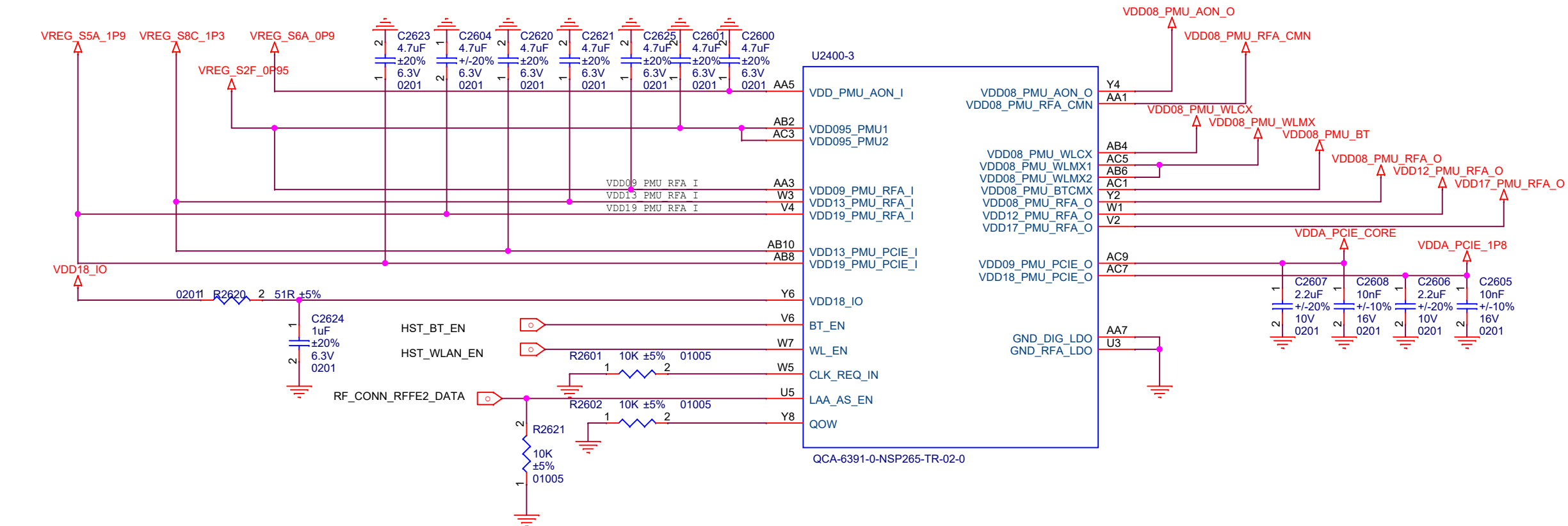
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Size A3	Document Number Reserved(for PA)	
Date:	Friday, November 29, 2019	Sheet

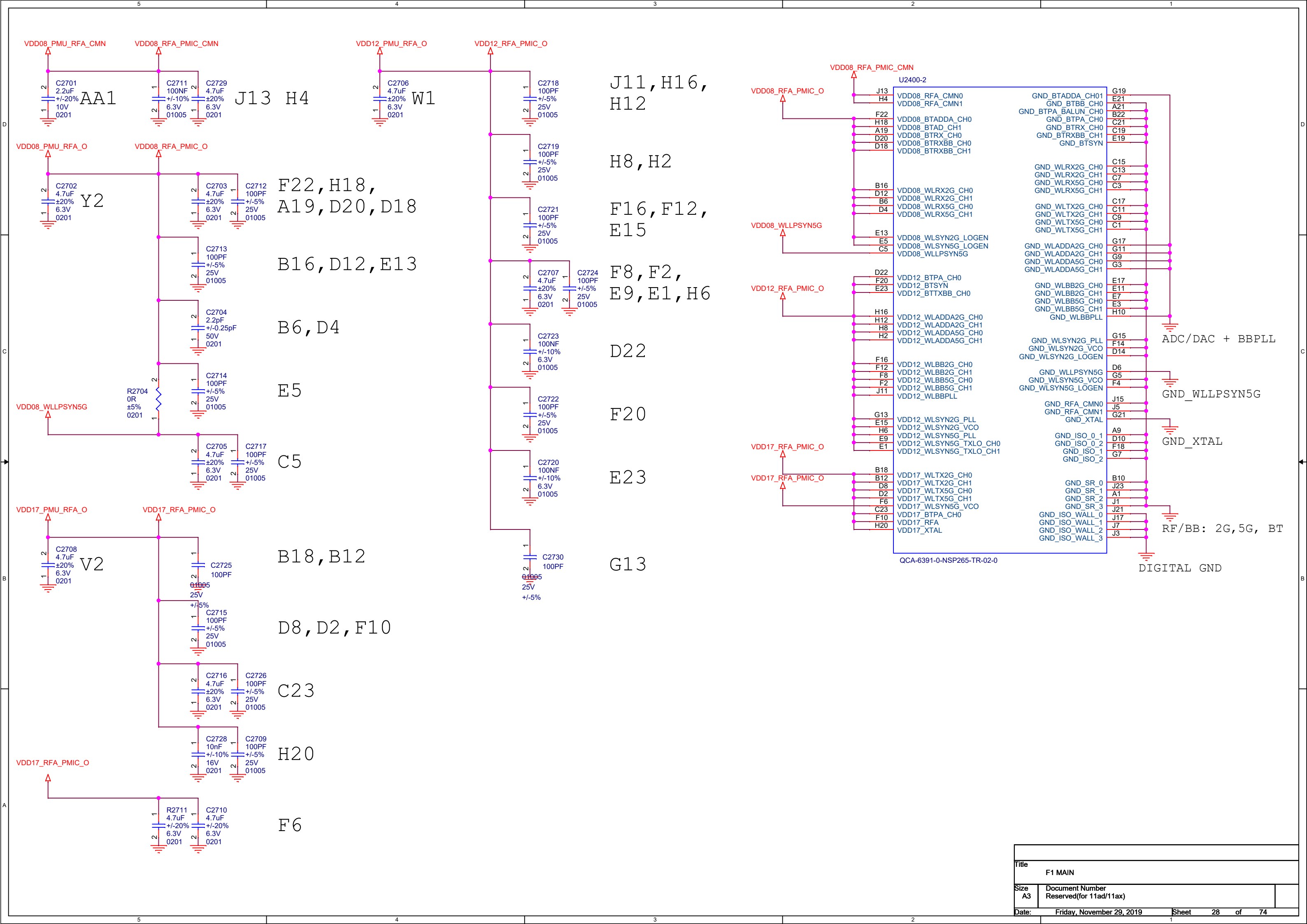




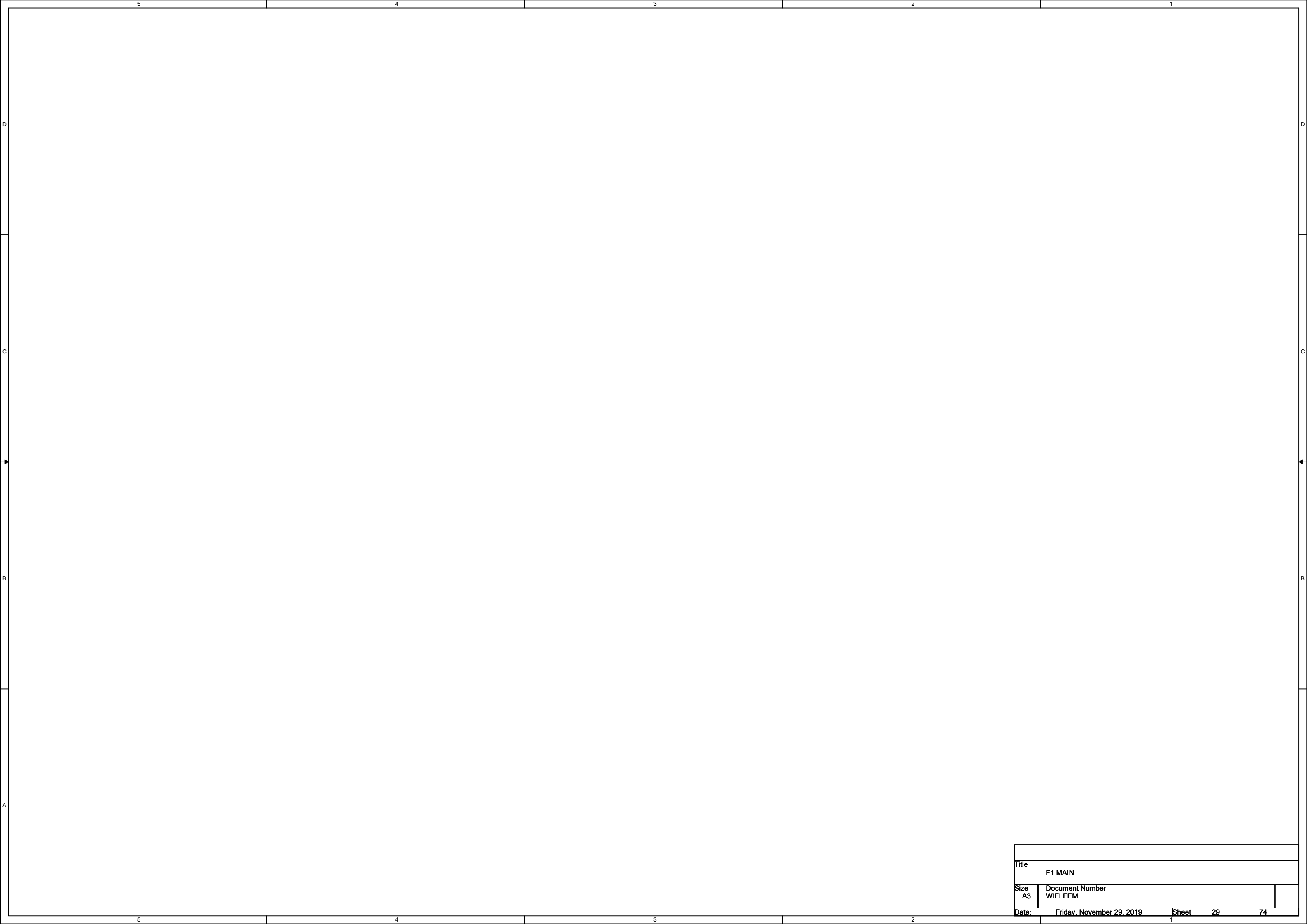


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Rev	Document Number
A1	Reserved for 11ad11ax
Date	Friday, November 20, 2019
Sheet	



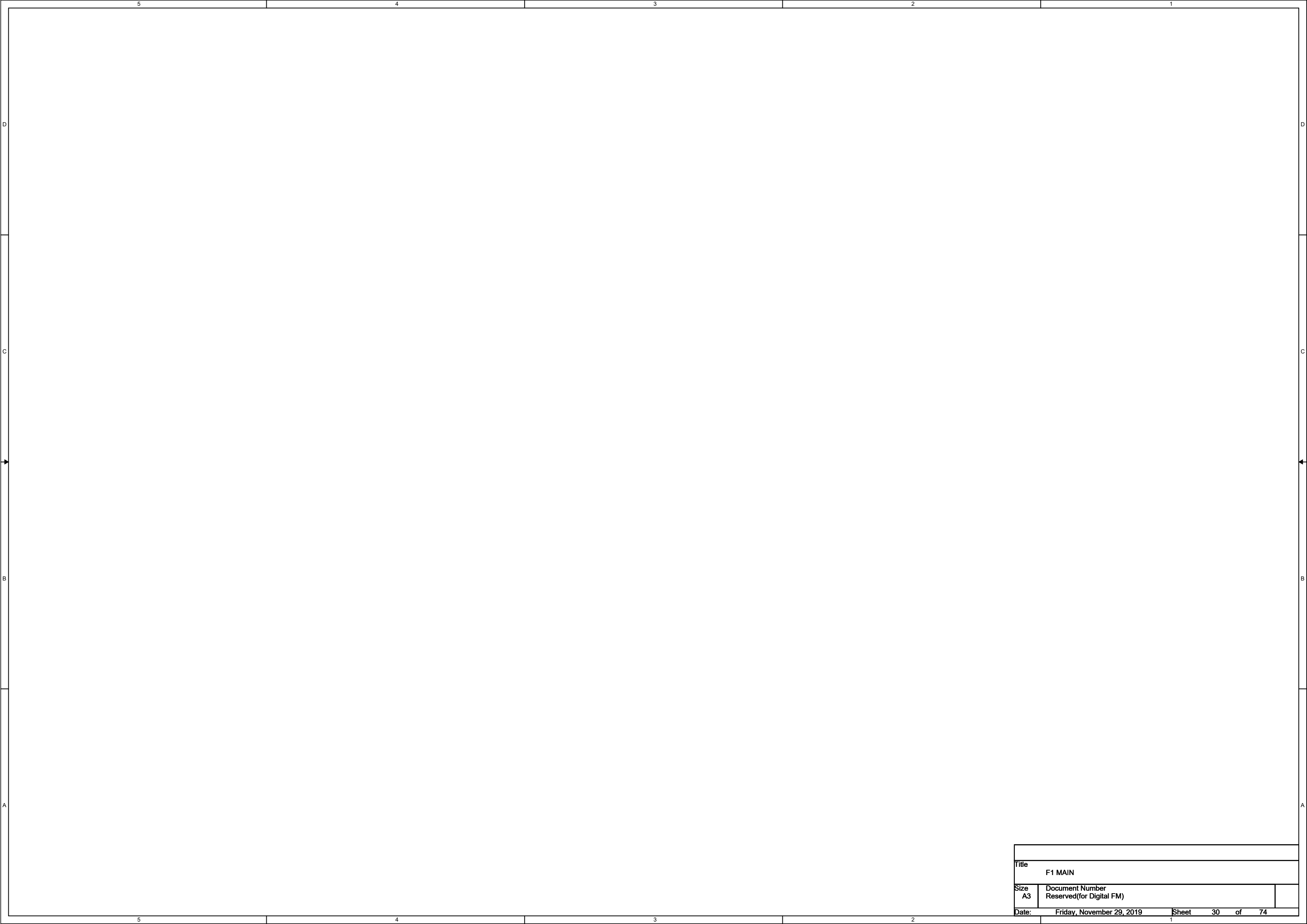


Title		
F1 MAIN		
Size	Document Number	
A3	Reserved(for 11ad/11ax)	
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Title			
F1 MAIN			
Size	Document Number		
A3	WIFI FEM		
Date:	Friday, November 29, 2019	Sheet	29 74



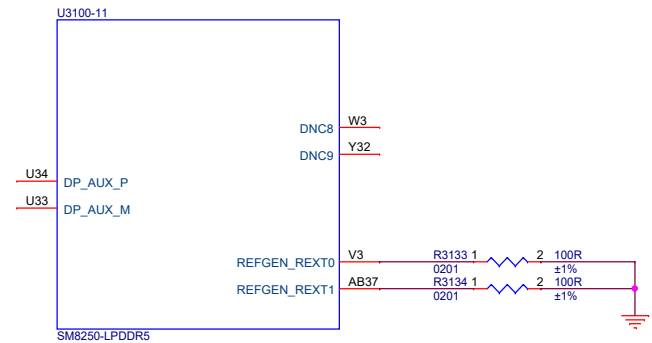


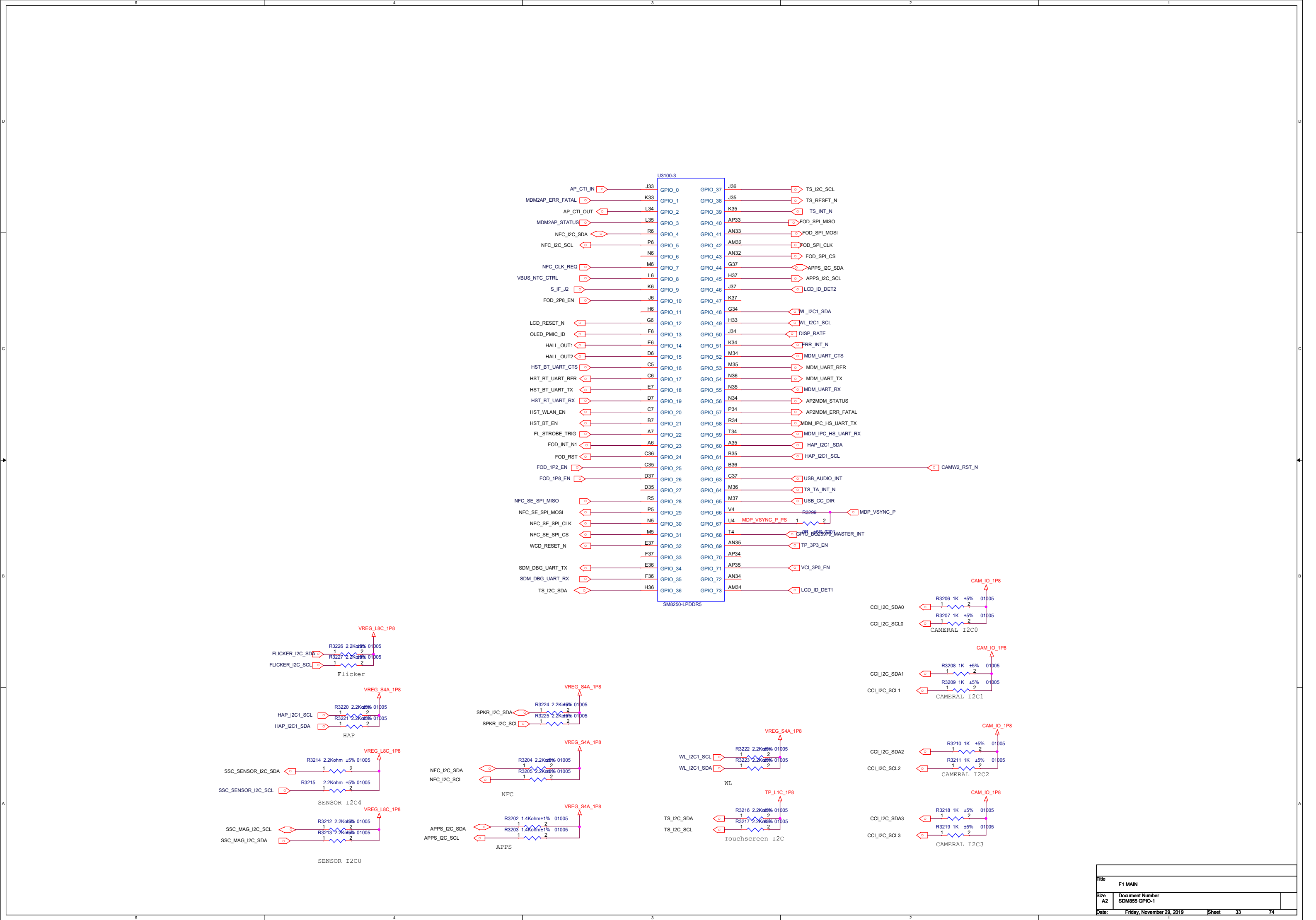


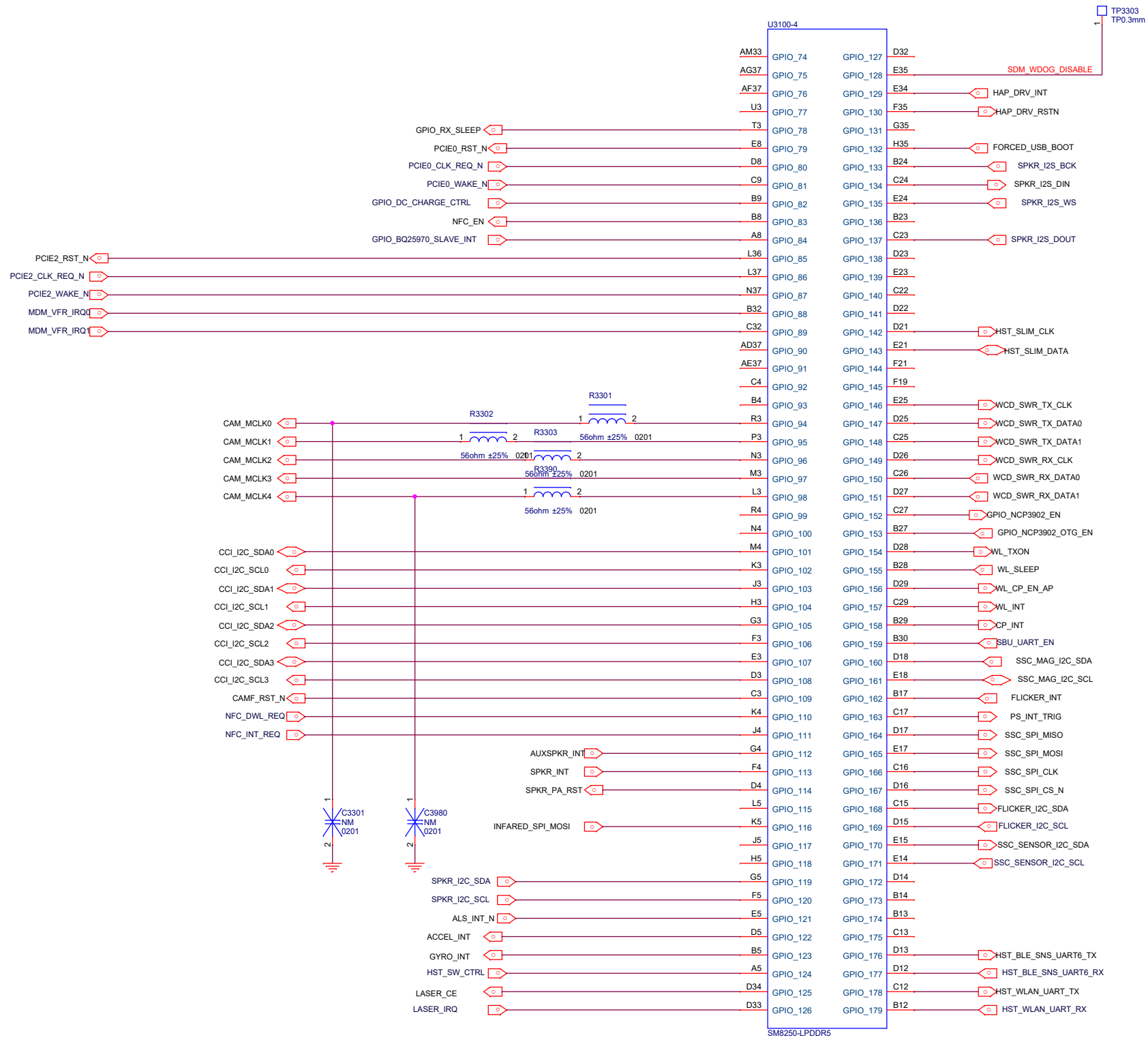
Place all ZQ resistors close to SDM

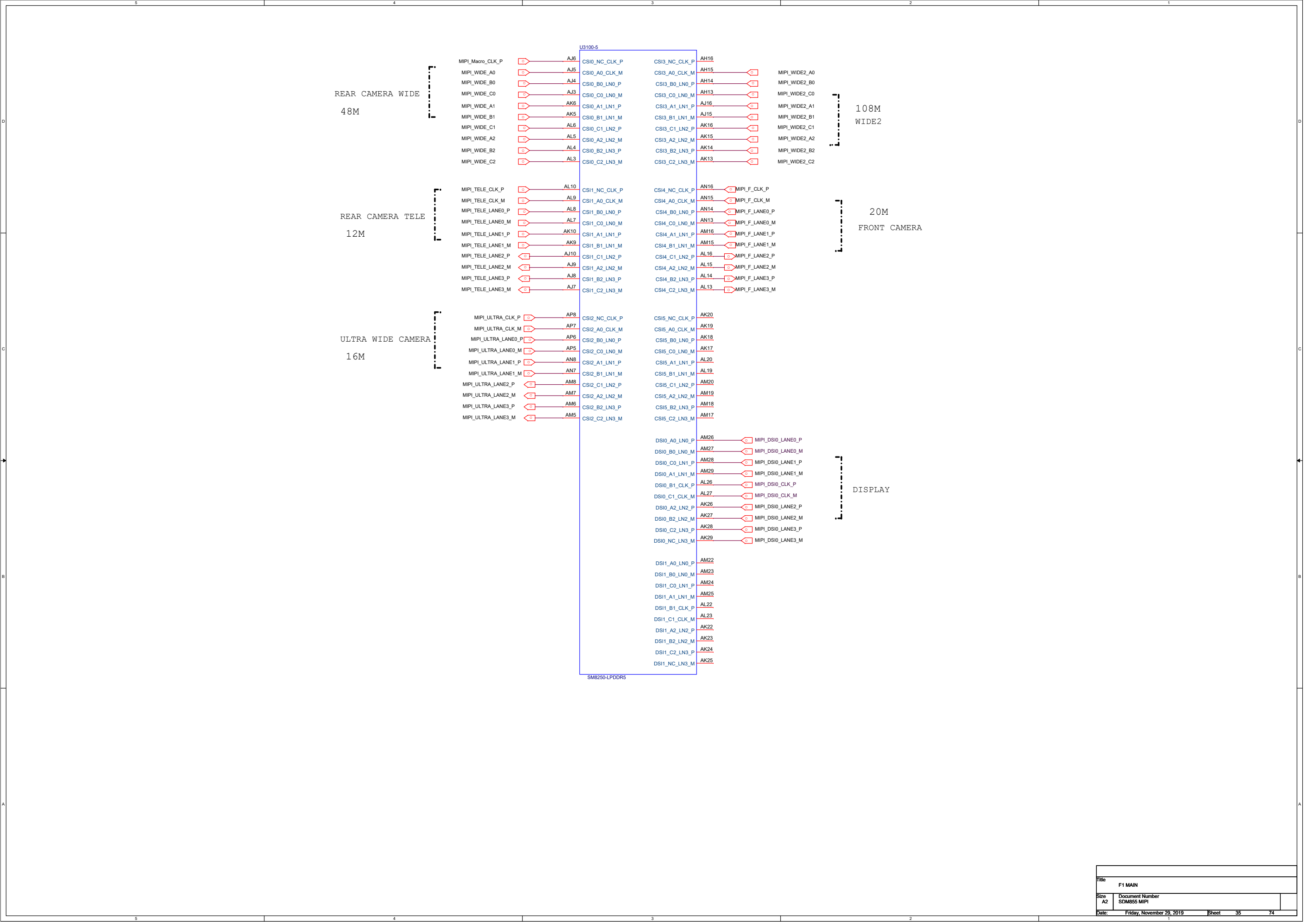
SM8250 LP5: DNI R3131/R3132, and mount R3129/R3130

SM8250 LP4: Mount R3129/R3130/R3131/R3132



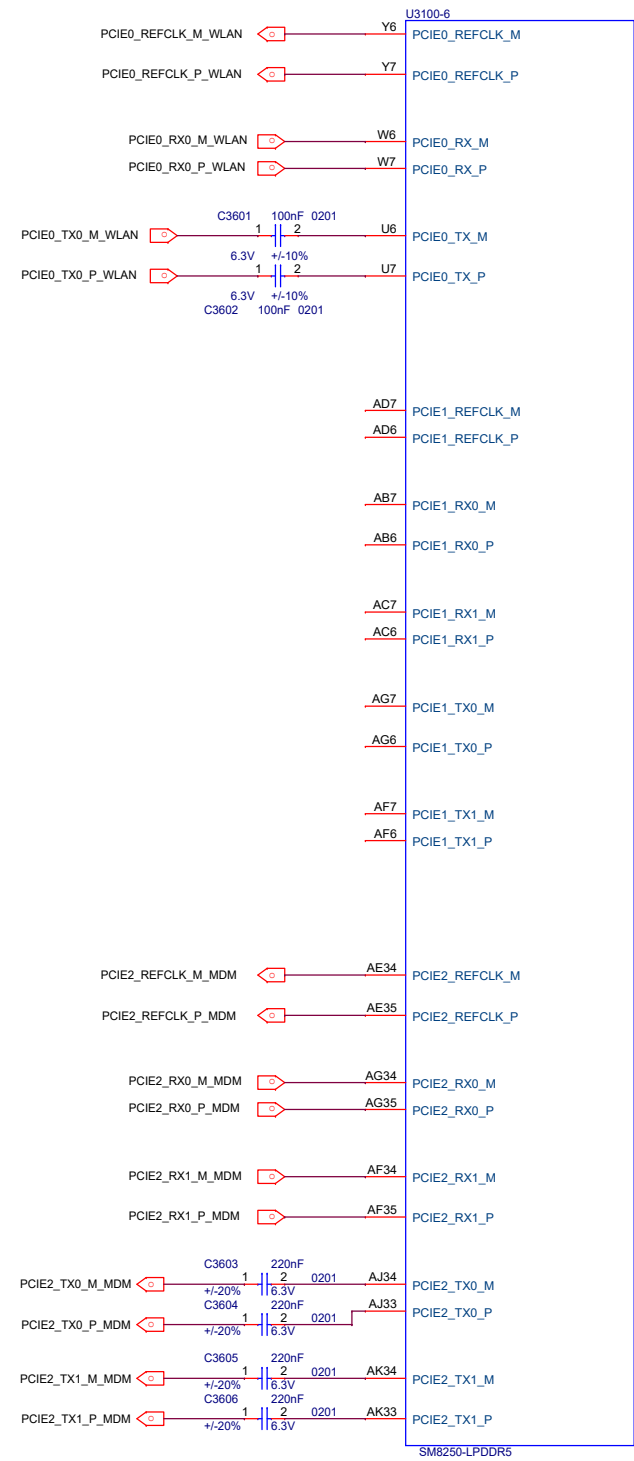








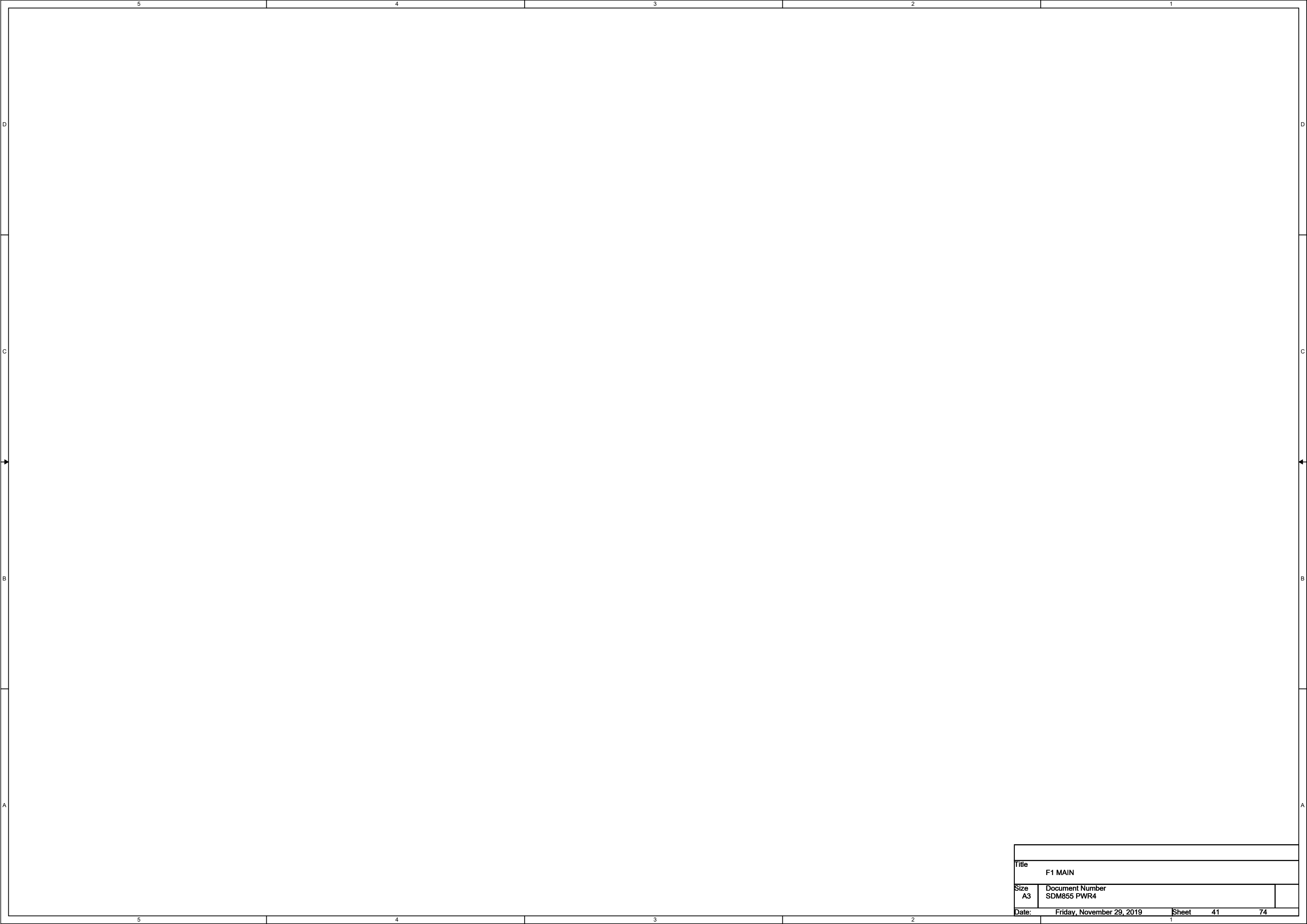




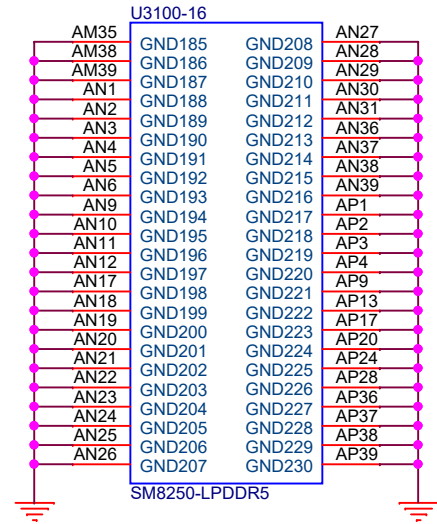
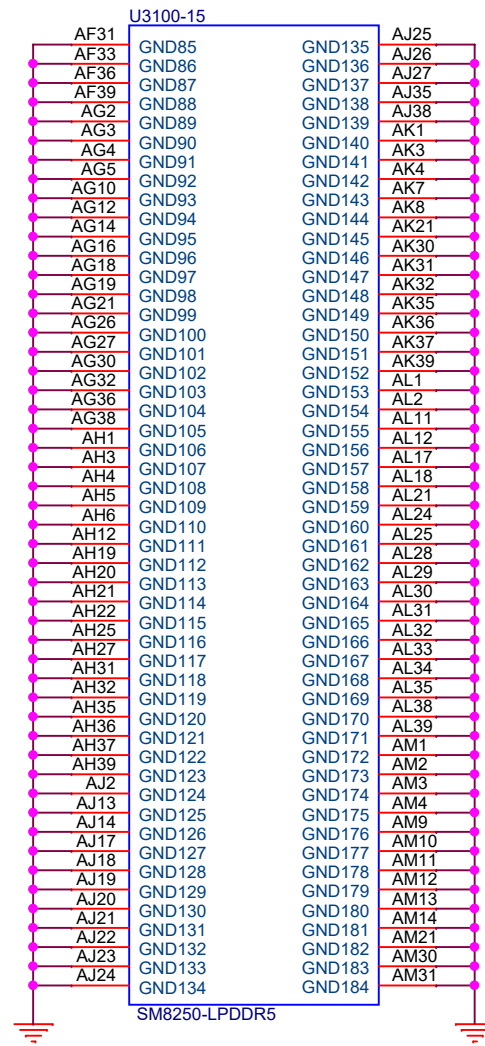
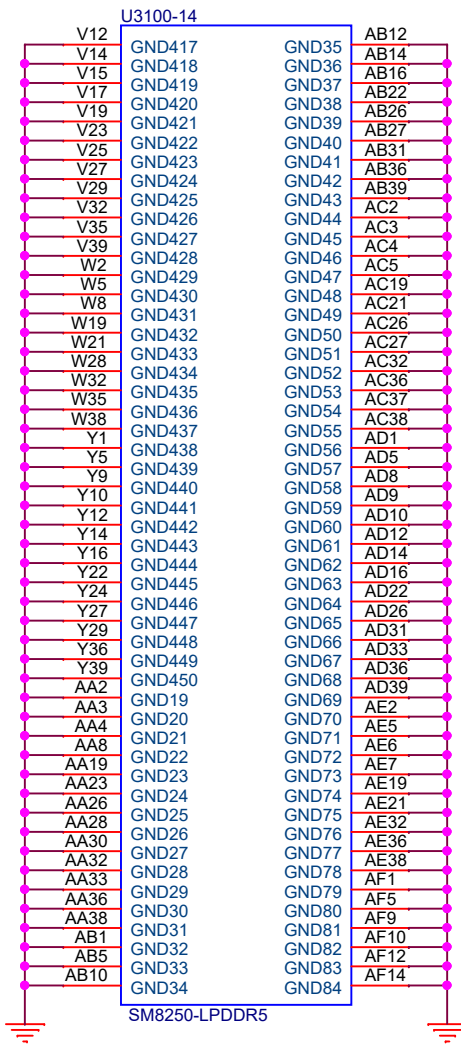
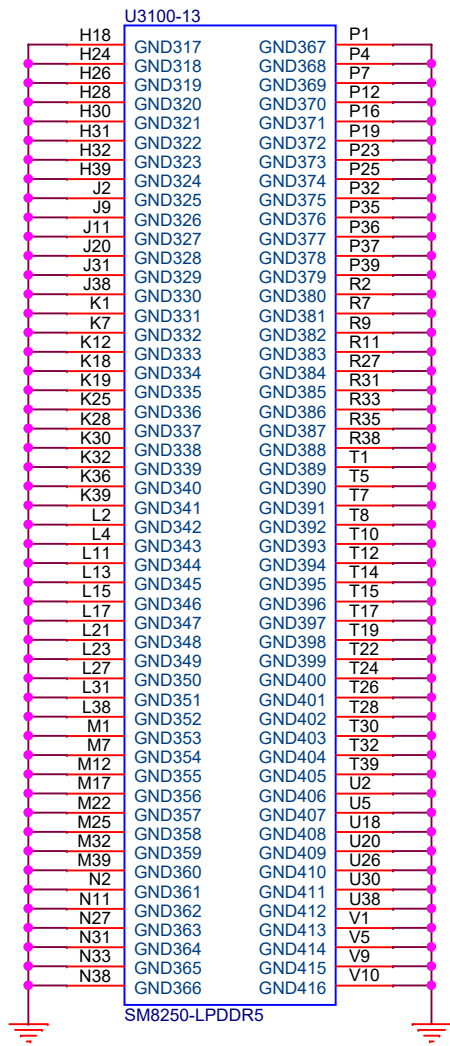
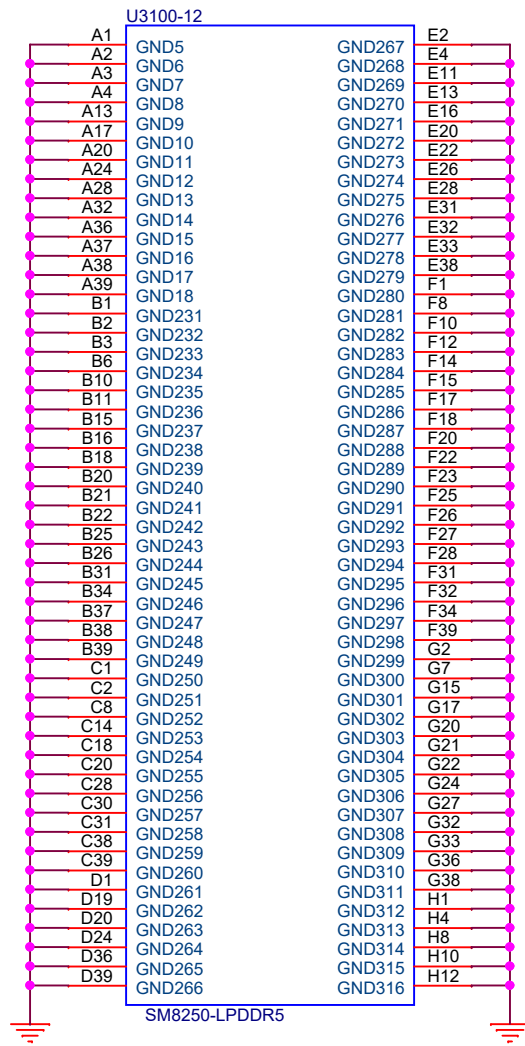








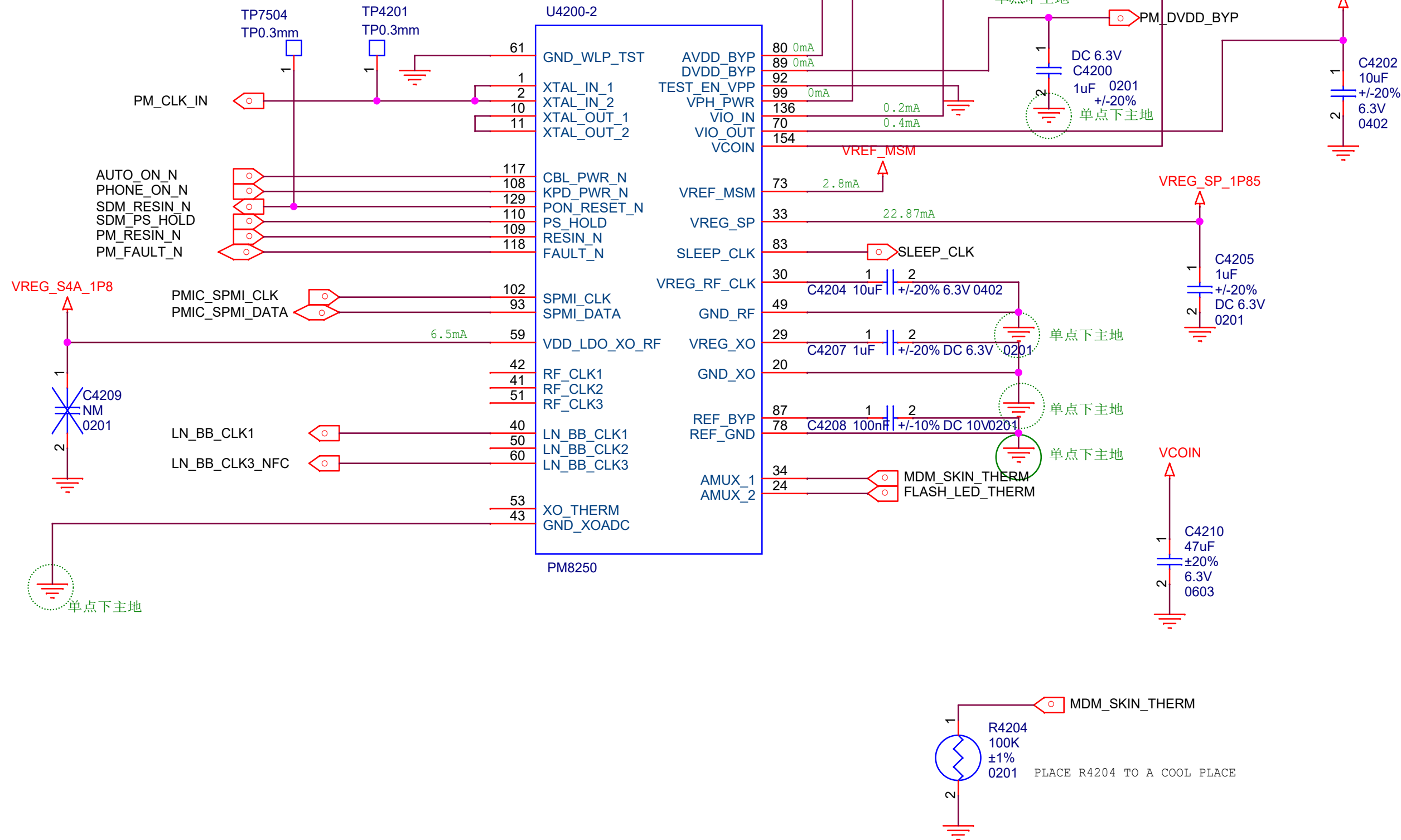
Title			
F1 MAIN			
Size	Document Number		
A3	SDM855 PWR4		
Date:	Friday, November 29, 2019	Sheet	41 74



Note: Refer to 80-VP447-10 for XO Layout App Note.

Layout Note:

No trace shall be present in at-least two immediate layers below XTAL.  
Route XTAL\_IN and XTAL\_OUT traces on surface layer only, with length  
between 3mm and 10mm.



Title		
F1 MAIN		
Size	Document Number	
A4	PM855 XO&CTRL	
Date:	Friday, November 29, 2019	Sheet 43 74

电容下主地

电容下主地

电容下主地

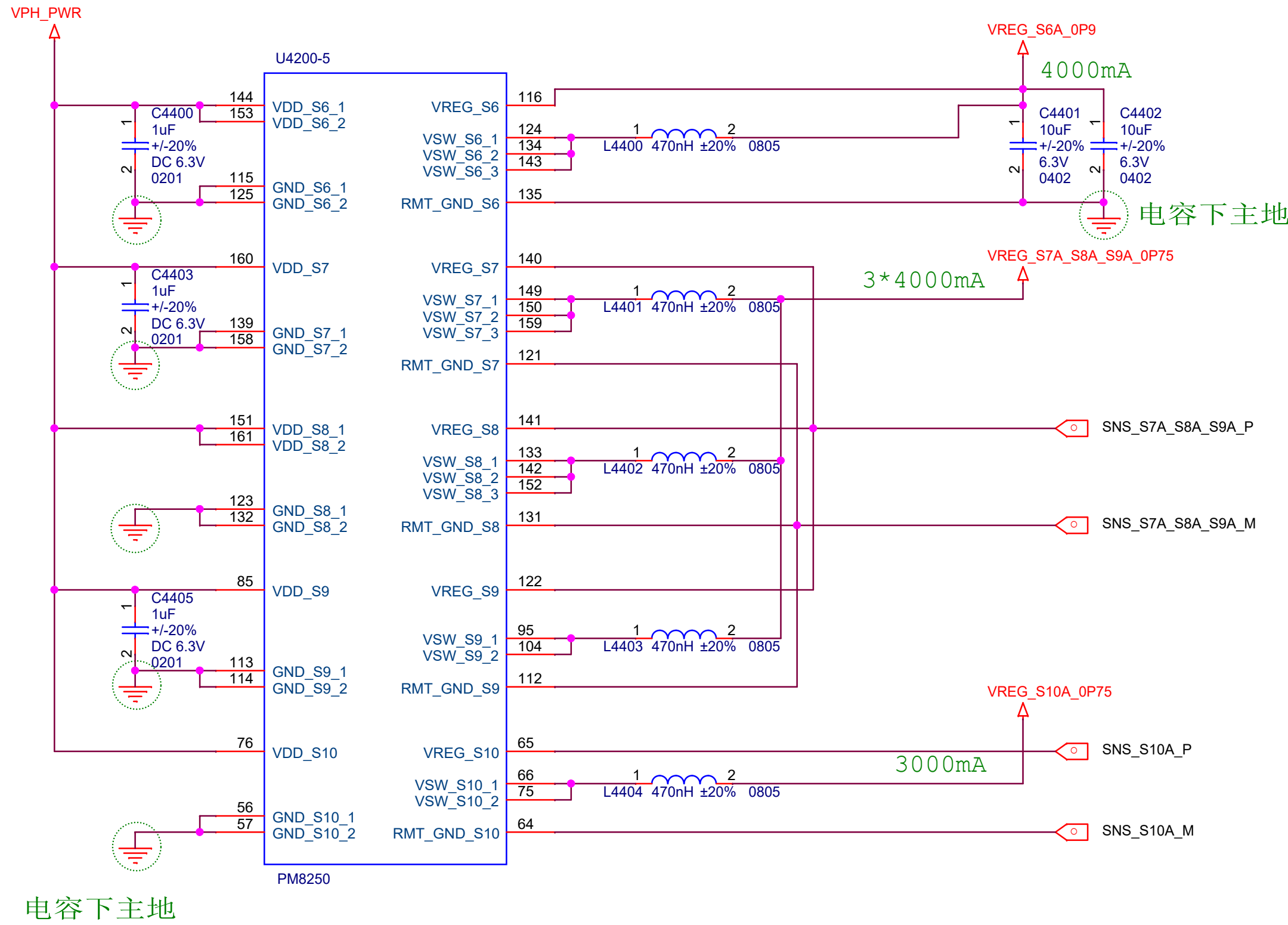
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Title		
F1 MAIN		
Size	Document Number	
A4	PM855 BUCK CONVERTER1	
Date:	Friday, November 29, 2019	Sheet 44

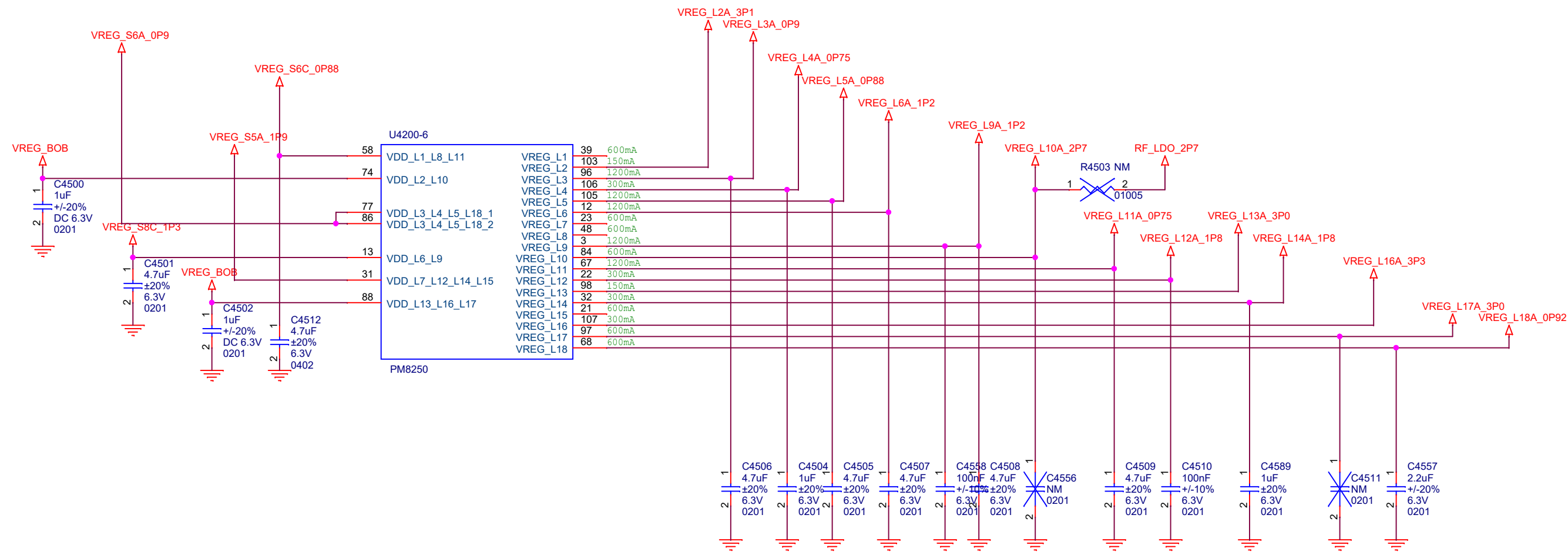


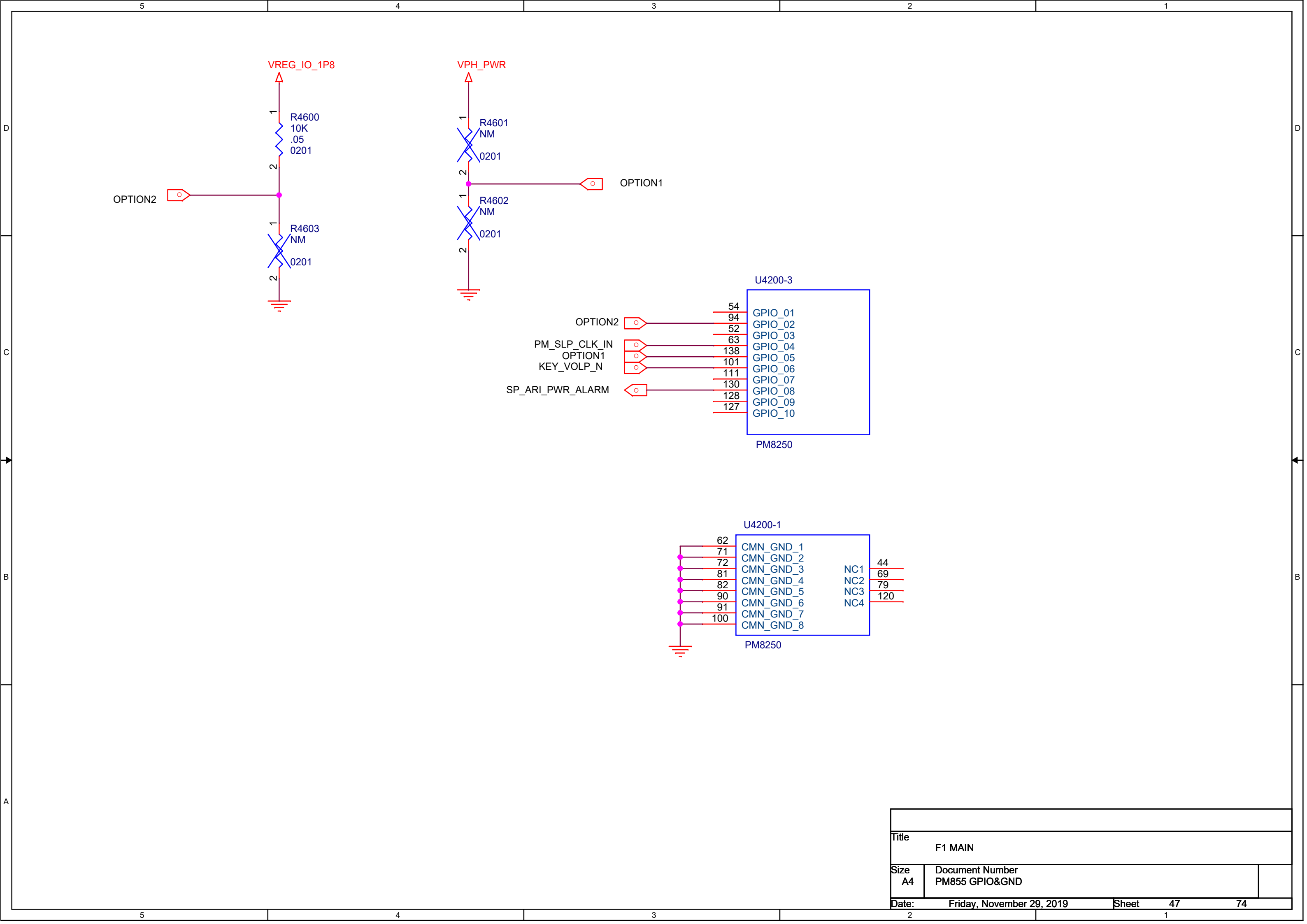
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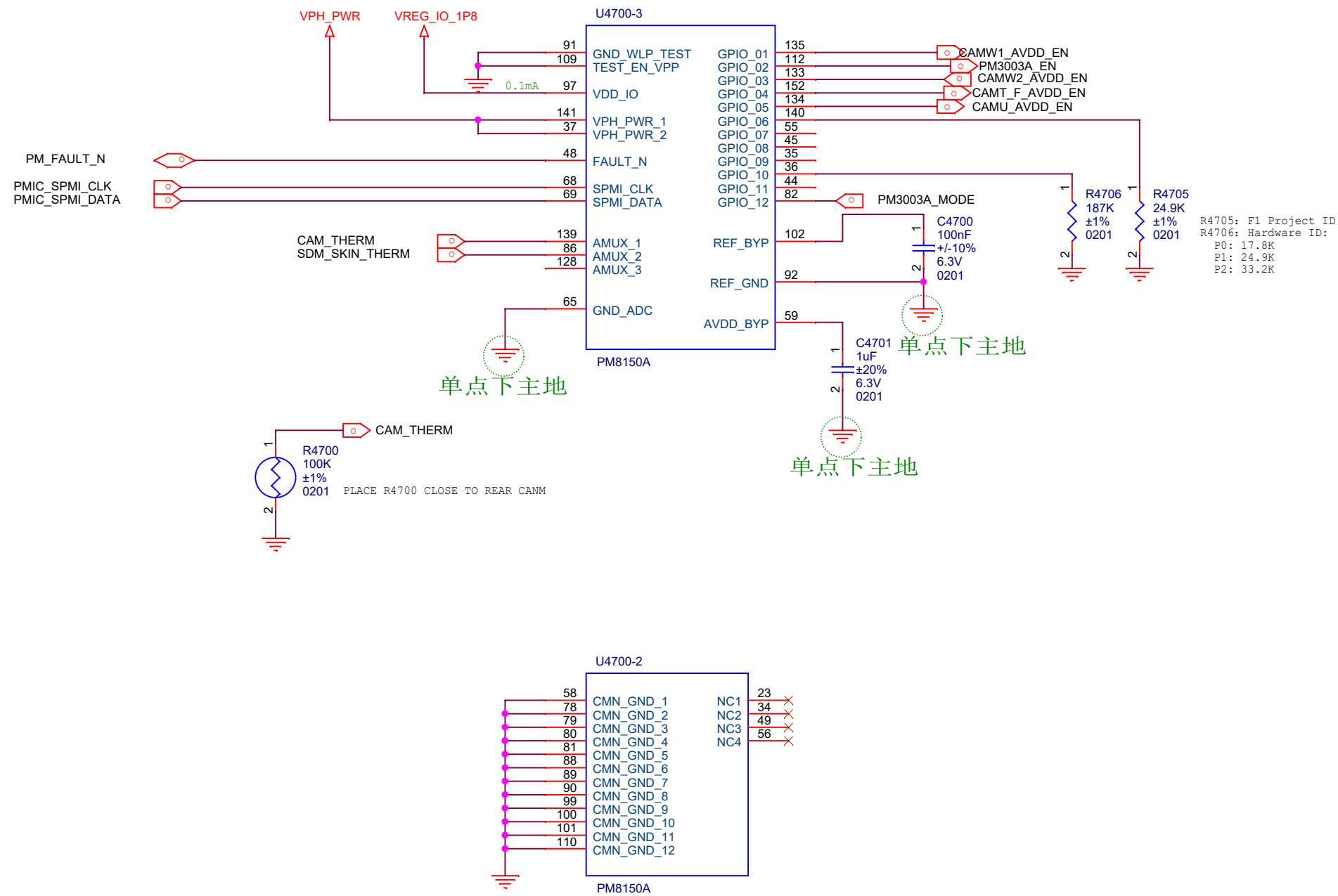


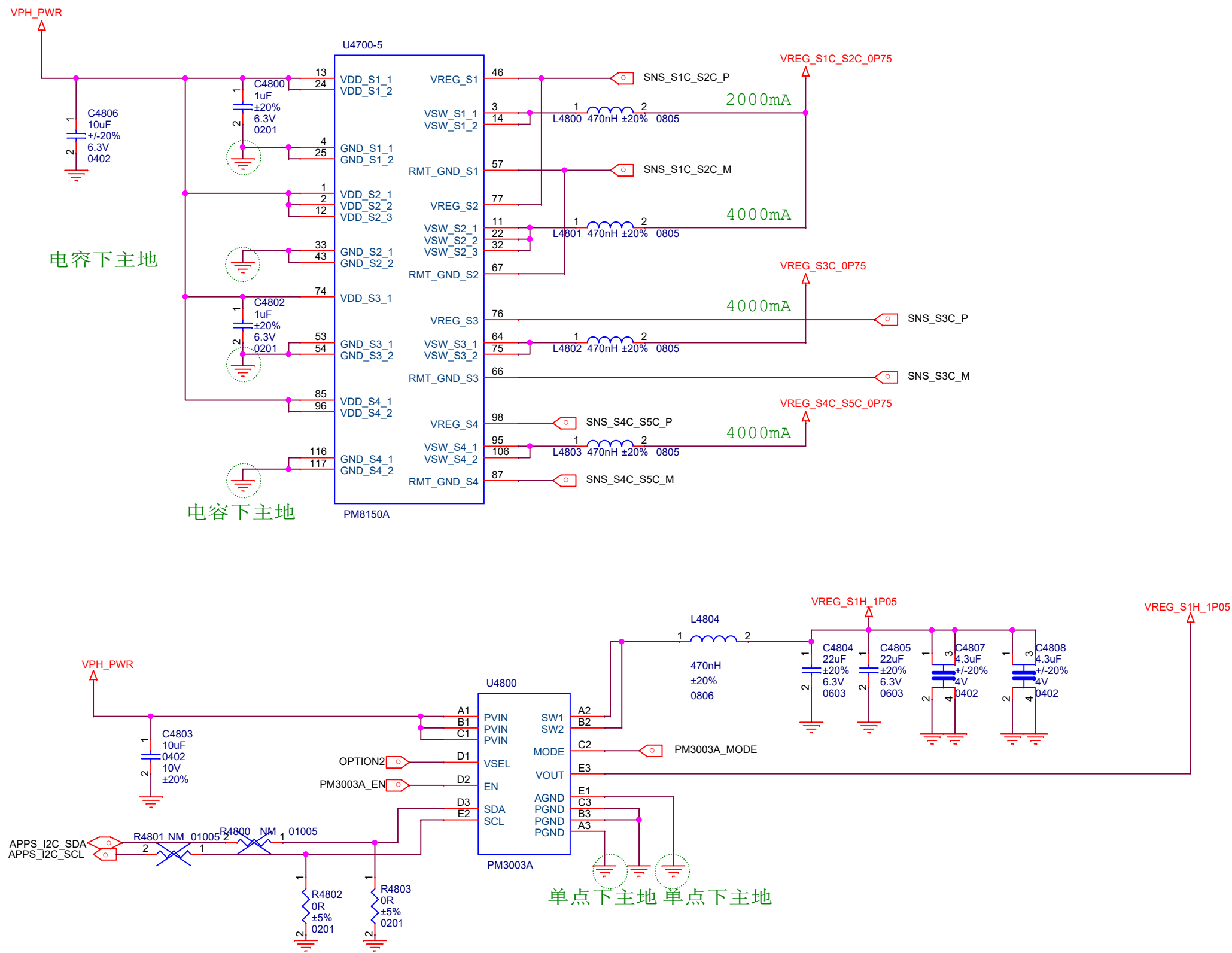
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Size	Document Number	
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Date:	Friday, November 29, 2019	
Sheet		2









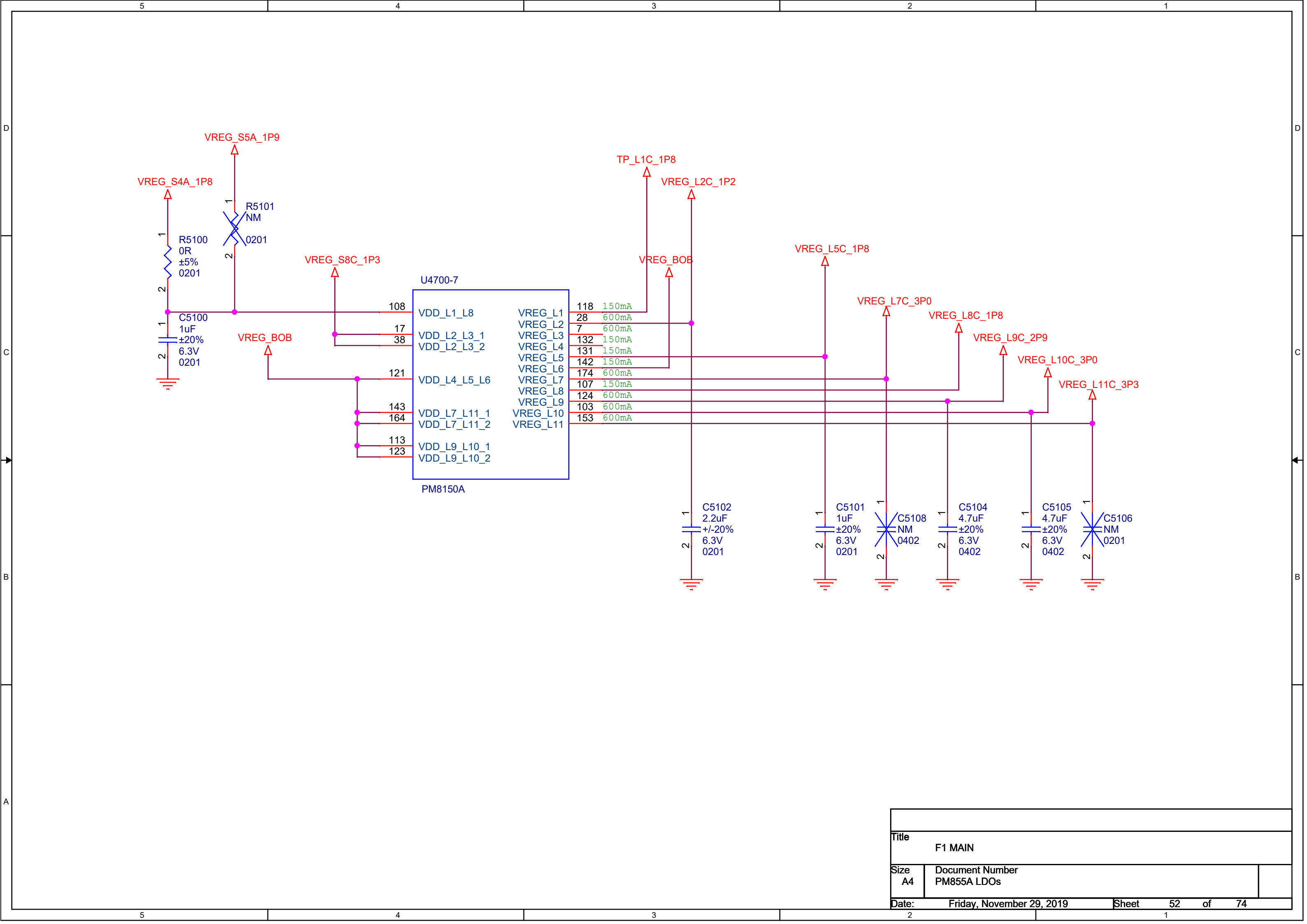
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电容下主地

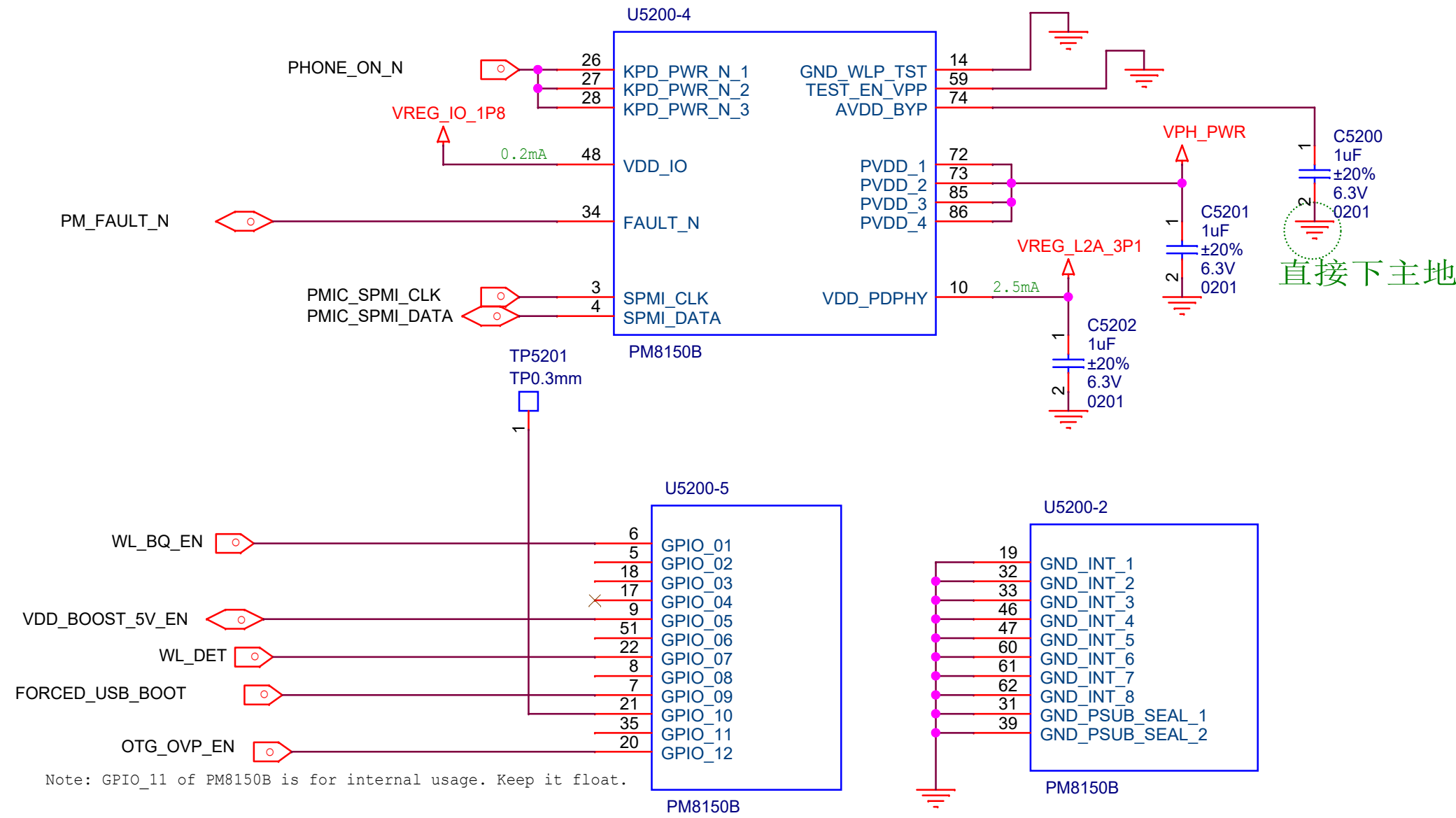
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Title		
F1 MAIN		
Size	Document Number	
A4	PM855A BUCK CONVERTER2	
Date:	Friday, November 29, 2019	Sheet



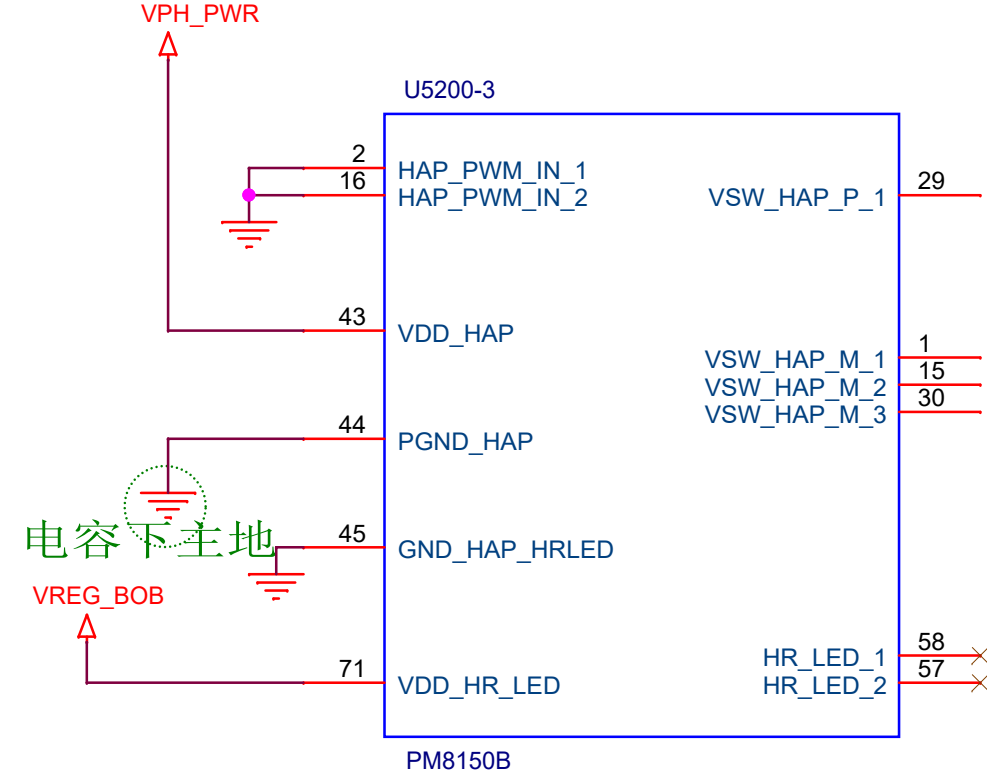
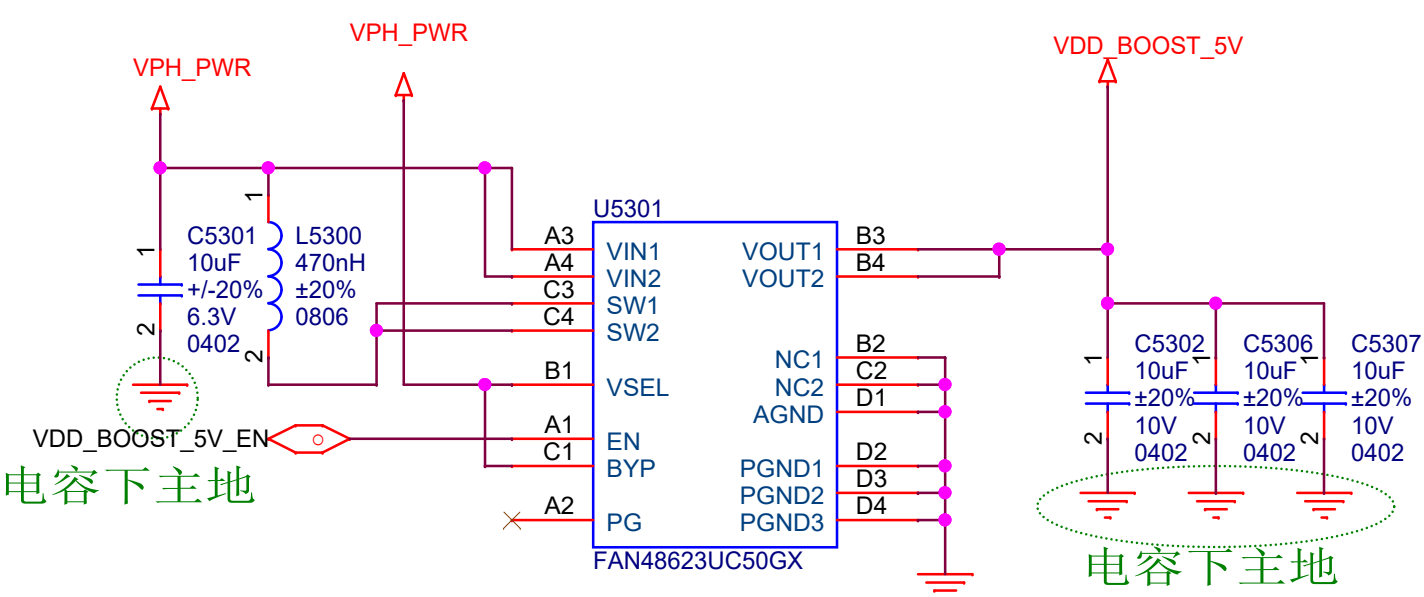






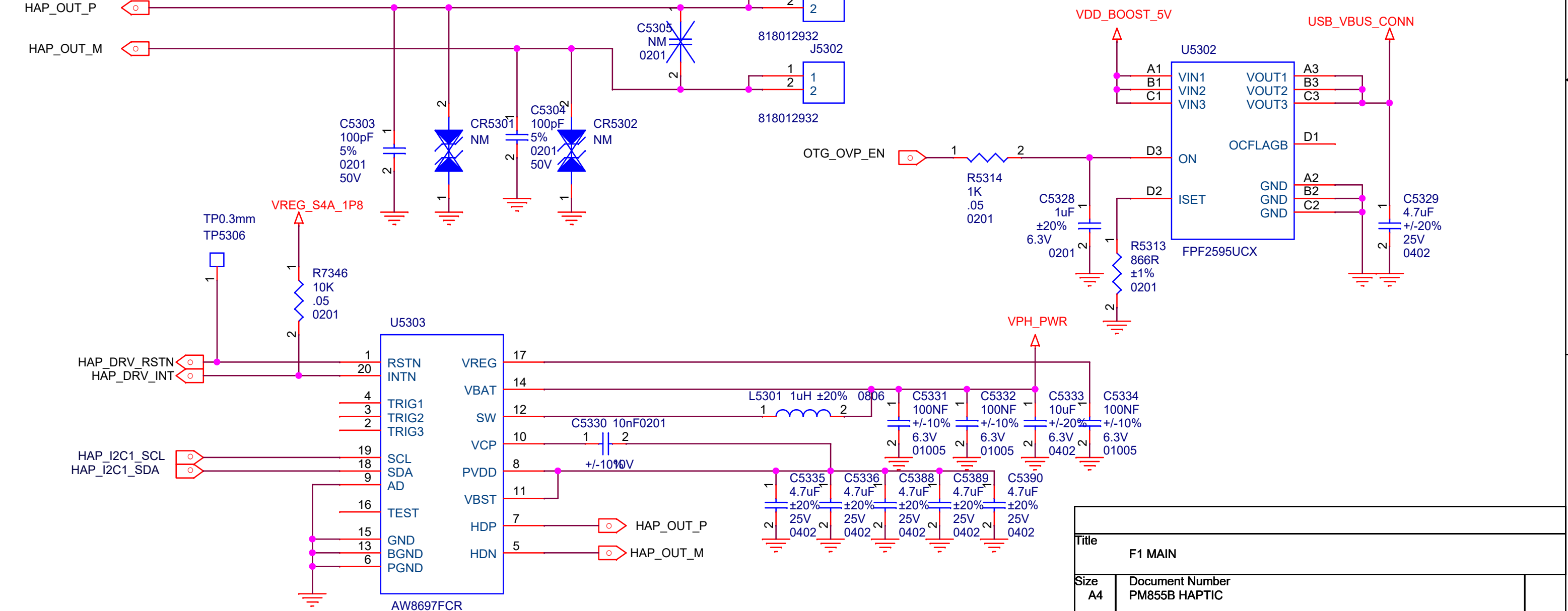
Note: GPIO\_11 of PM8150B is for internal usage. Keep it float.

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.

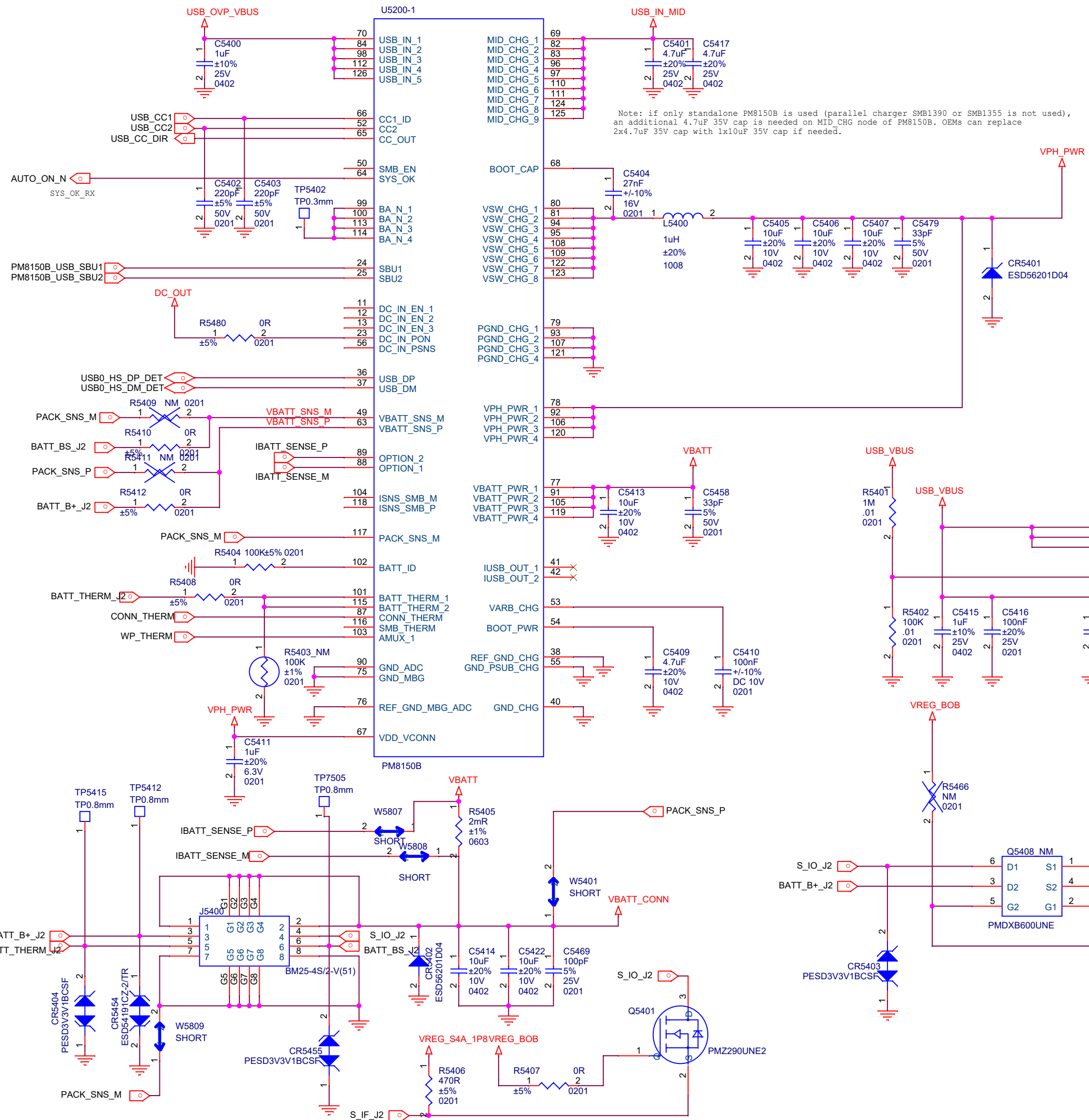


# HAPTICS

# OTG



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



J1方案BOM:

J2方案BOM:

R5409不贴

R5411不贴

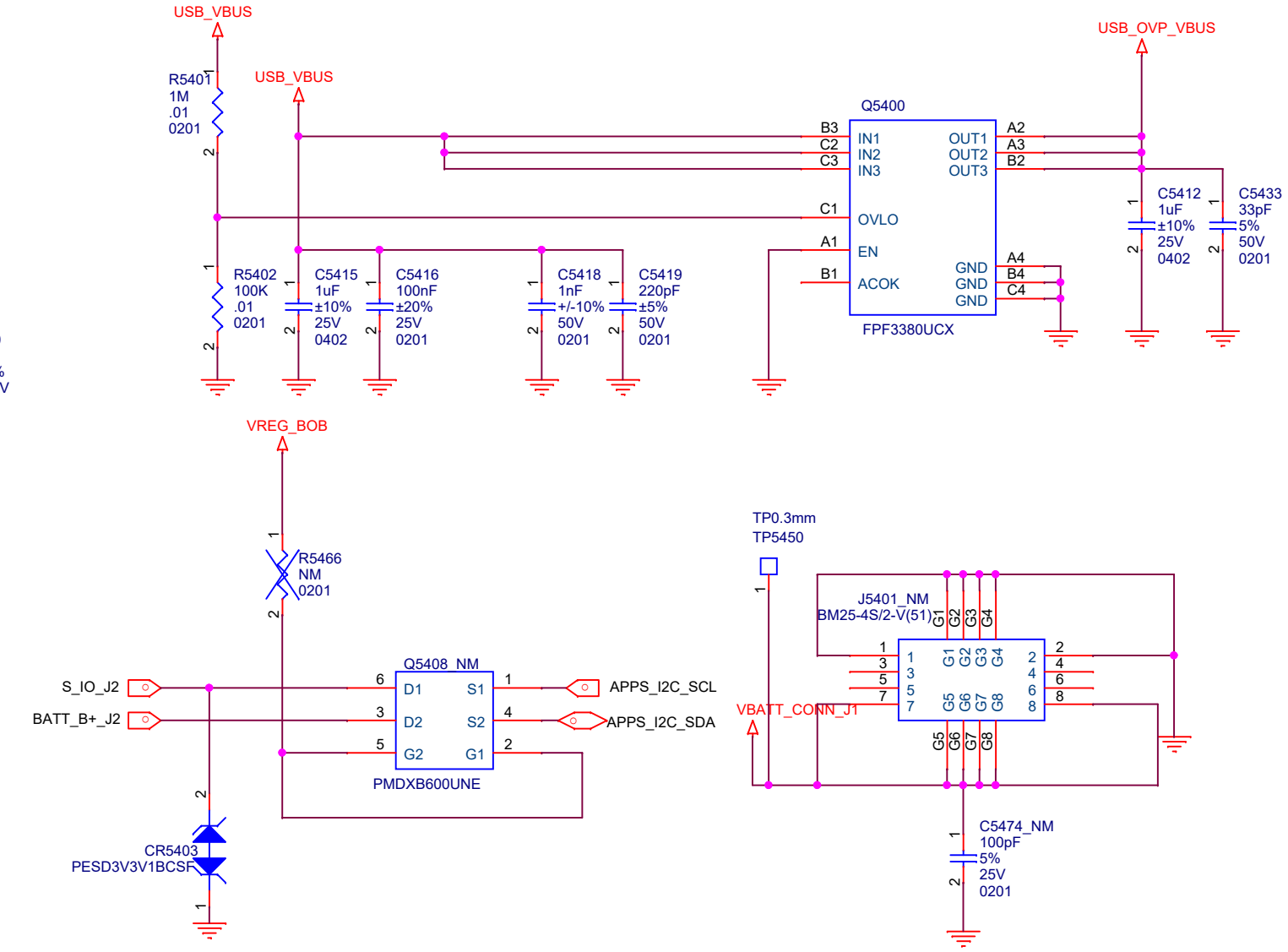
R5403不贴

R5466不贴

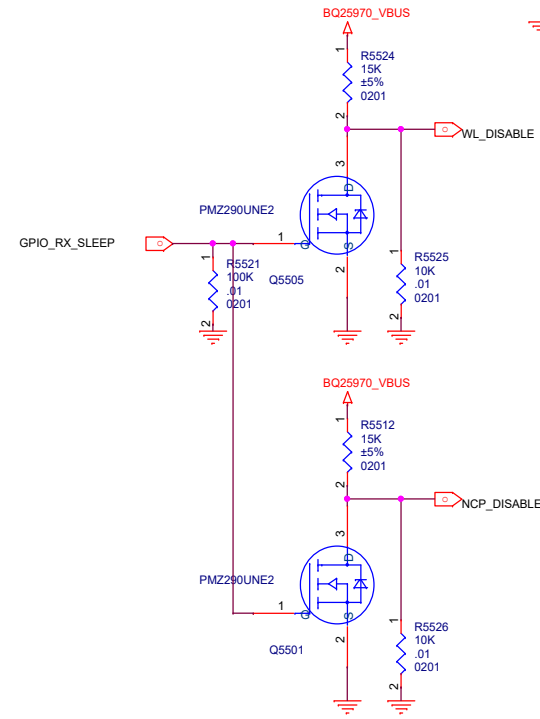
Q5408不贴

J5401不贴

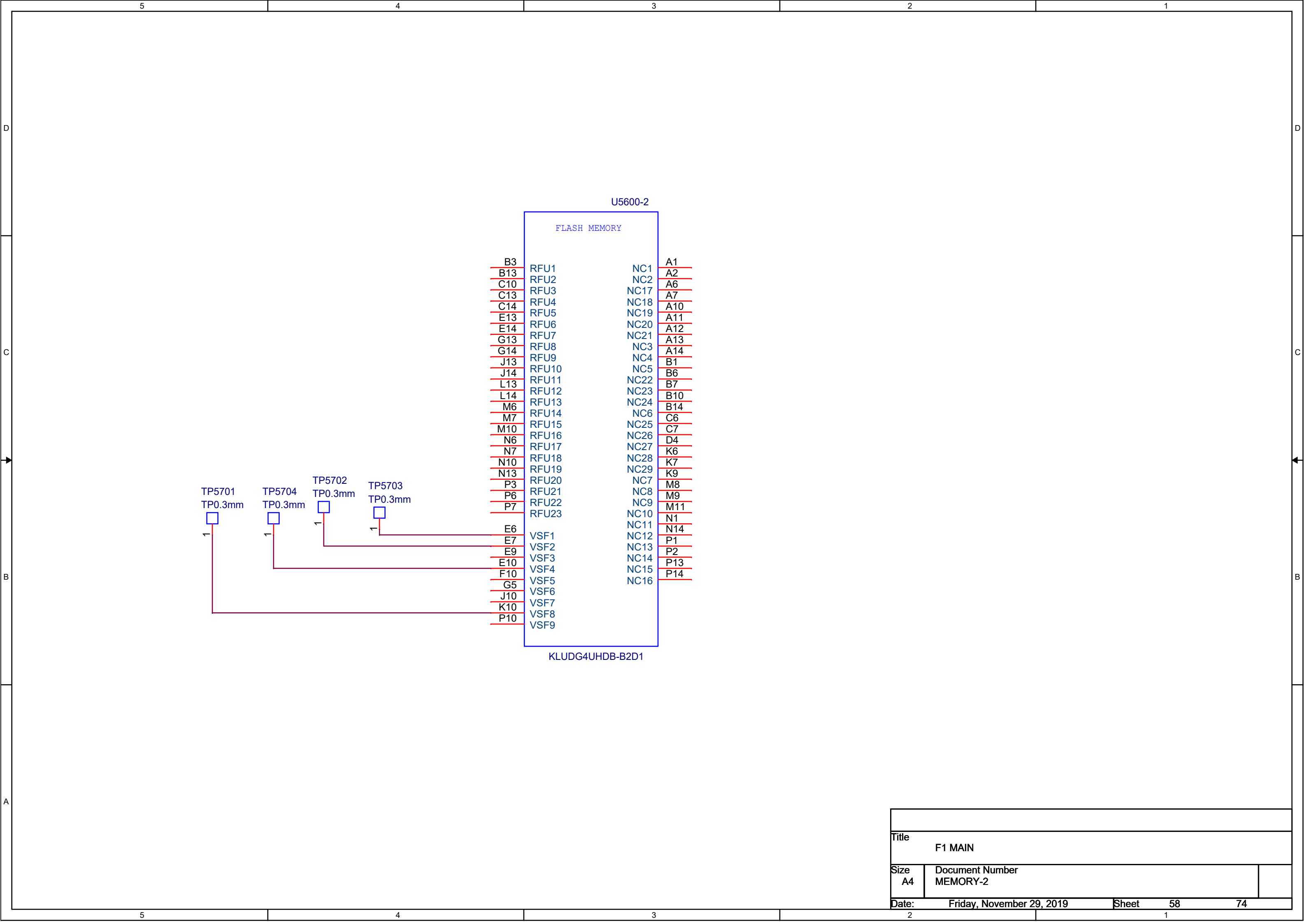
J1:此页BOM不做更改;

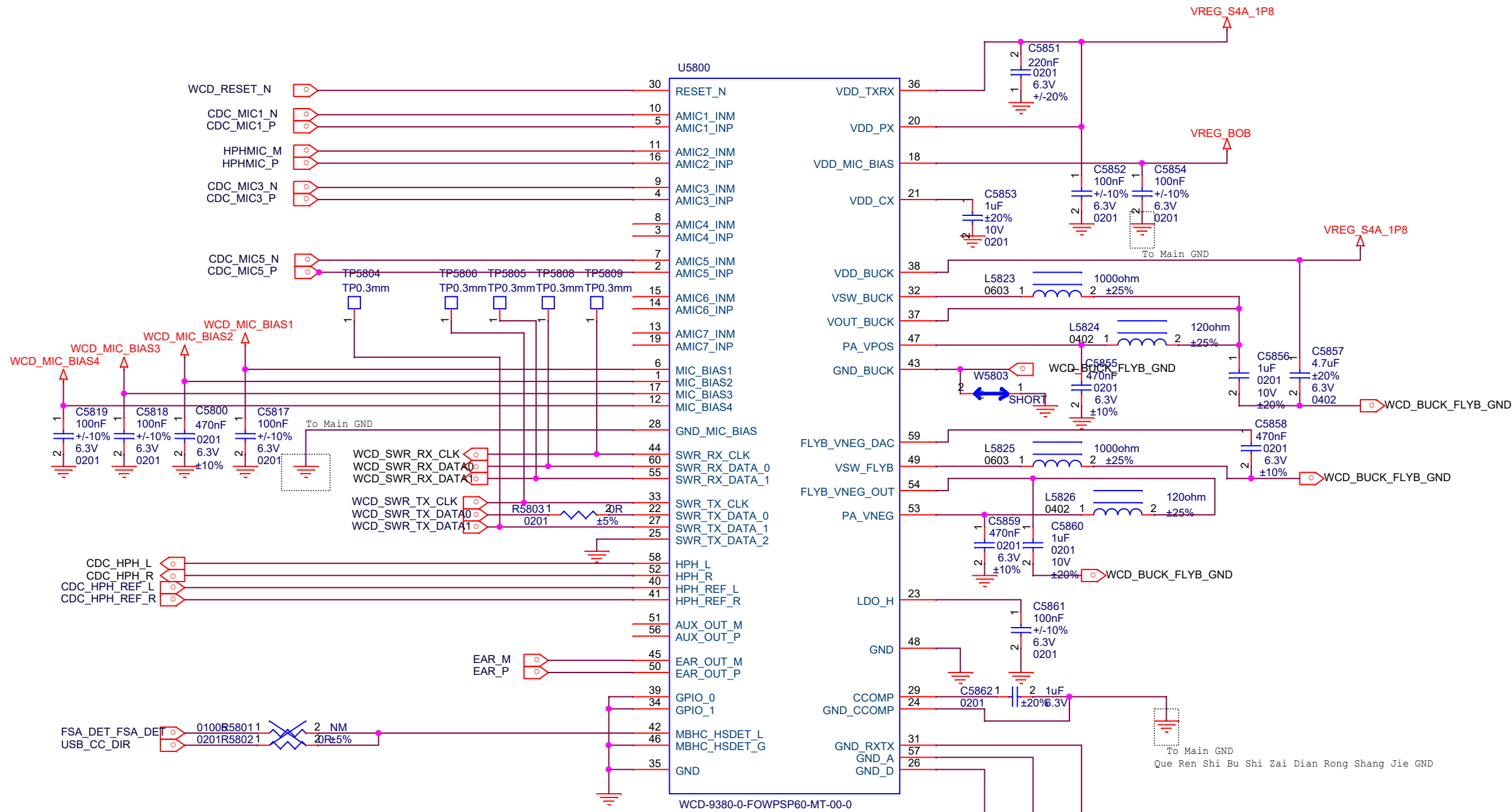


R5504不贴  
R5515贴0欧姆电阻  
Slave charger的BOM全部不贴



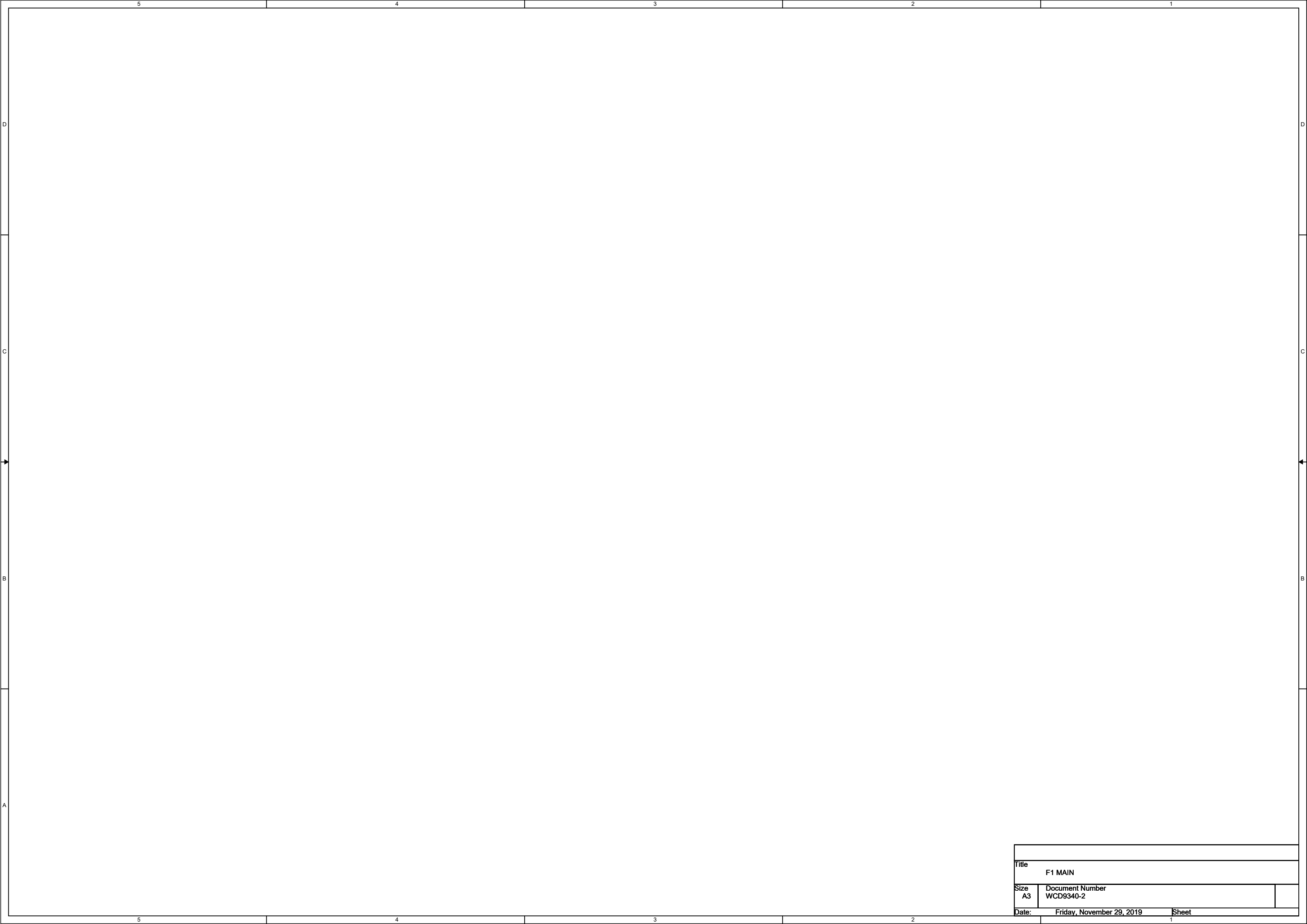






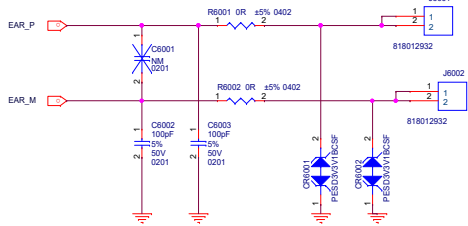
NOTE 1: ROUTE AN ISOLATED GROUND TRACE FROM CCOMP\_REF TO THE CAP GROUND, THEN VIA TO THE MAIN GROUND PLANE  
NOTE 2: PLACE VDD\_BUCK CAP AS CLOSE TO CHIP EDGE AS POSSIBLE AND MINIMIZE LOOP INDUCTANCE  
NOTE 3: USE SHORT AND WIDE TRACES FOR BUCK AND FLYBACK RELATED NETS  
NOTE 4: ANALOG MIC INPUTS SHOULD BE ISOLATED WITH GROUND FROM NOISY OR SWITCHING SIGNALS AND SUPPLIES

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

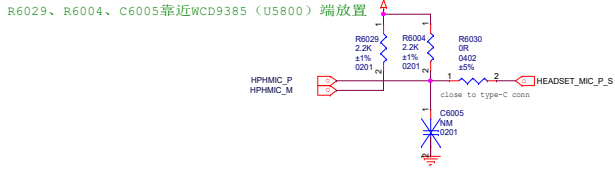




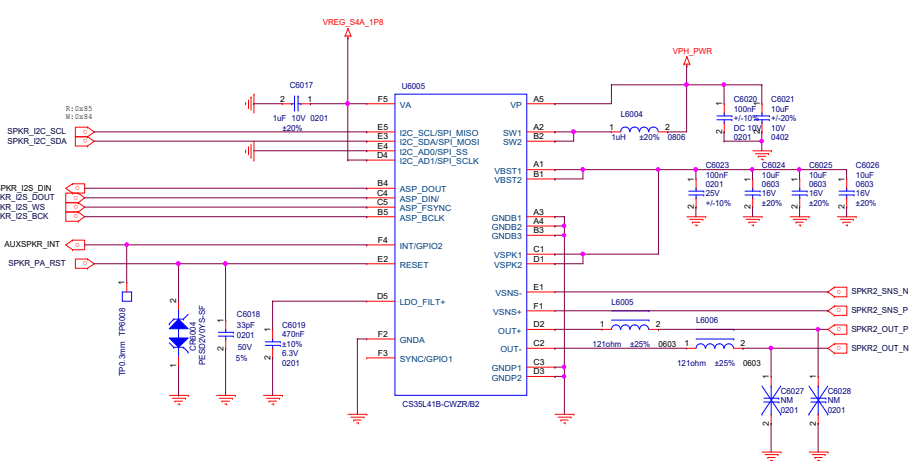
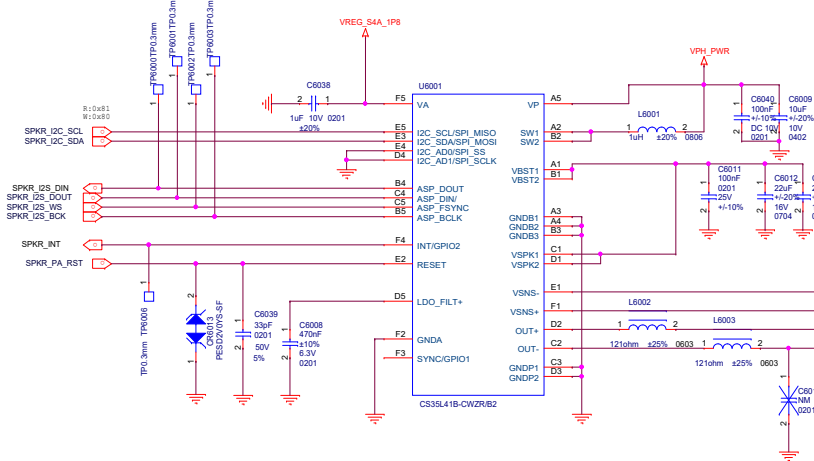
RECEIVER



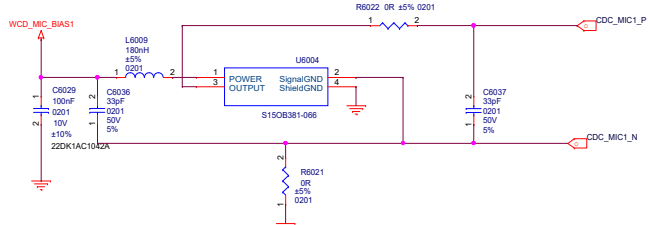
HEADSET



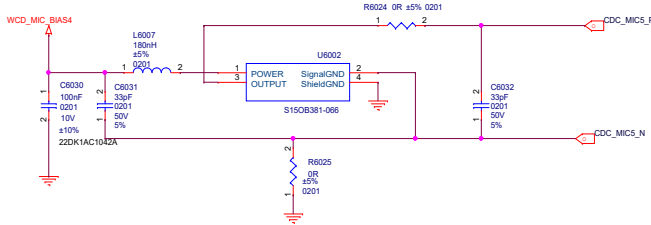
SPKR PA



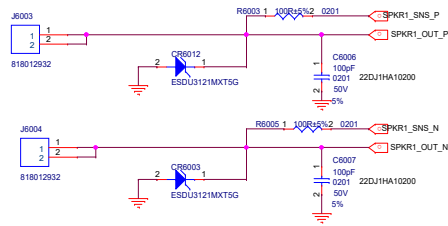
MAIN MIC



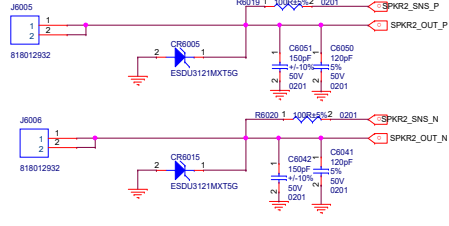
AUX MIC



SPK1

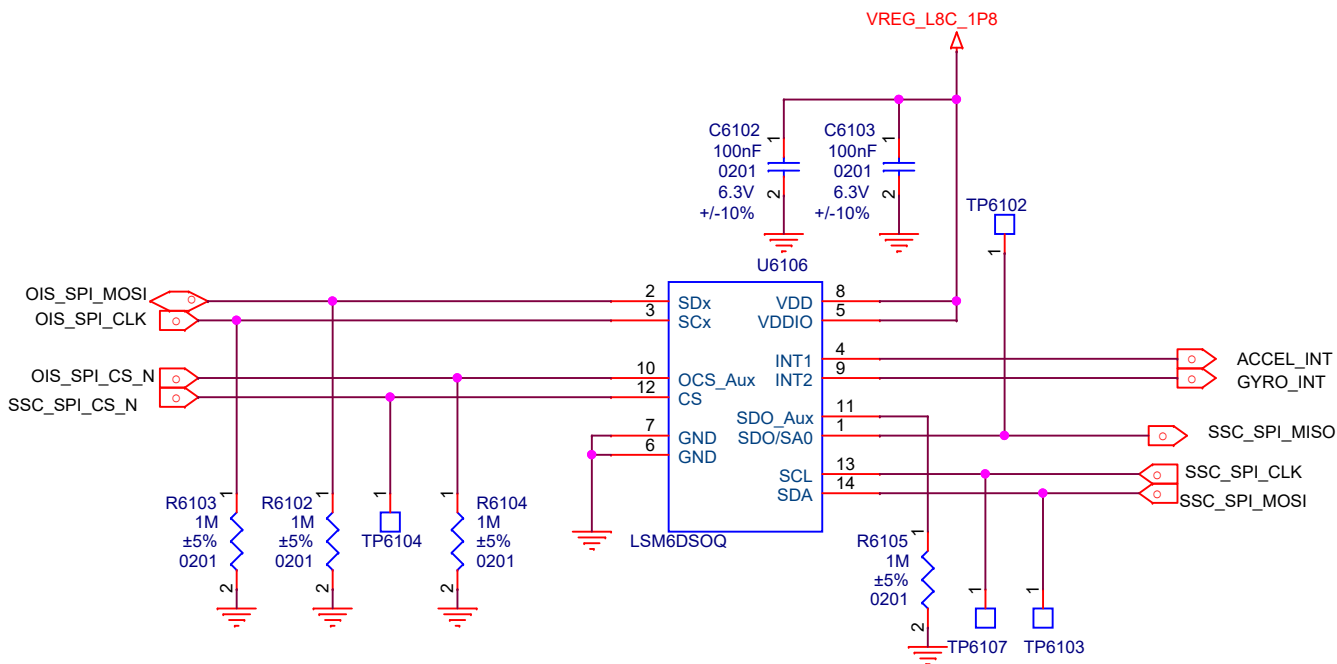


SPK2

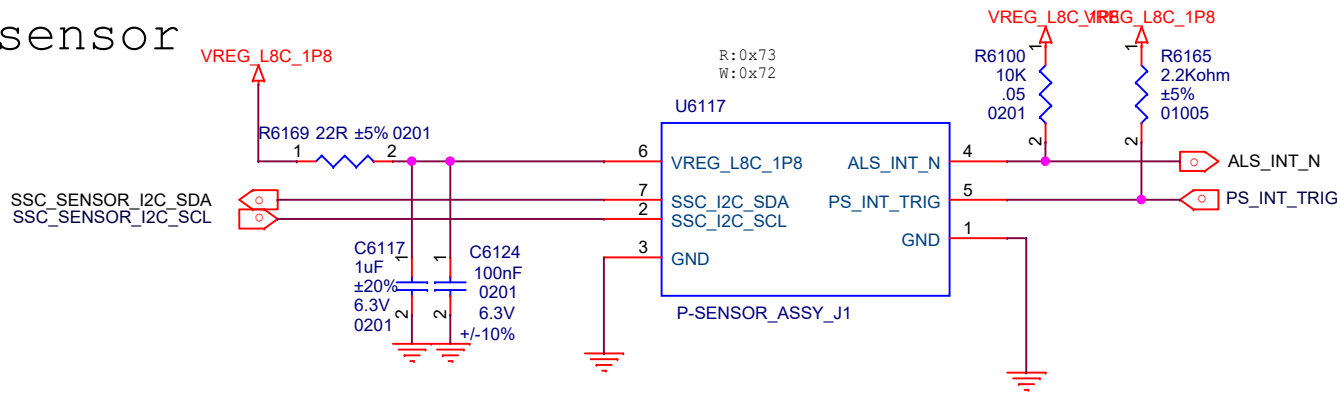


RGB DRIVER

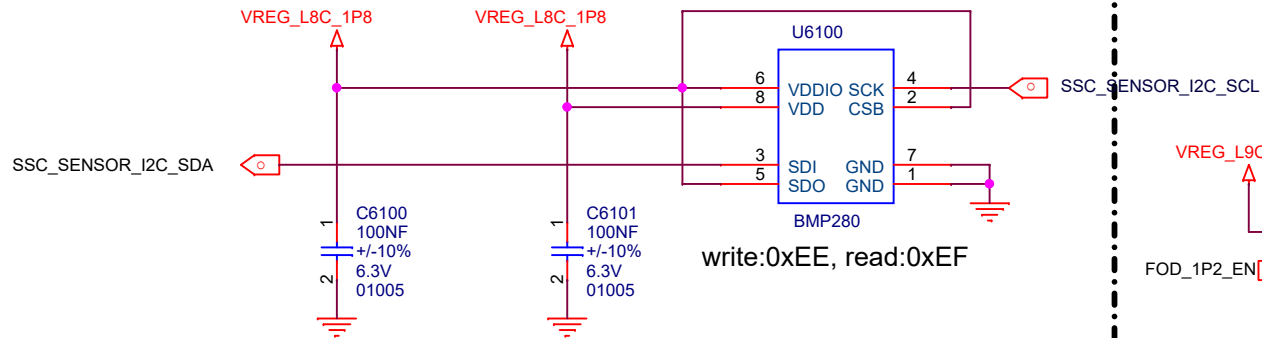
A+G



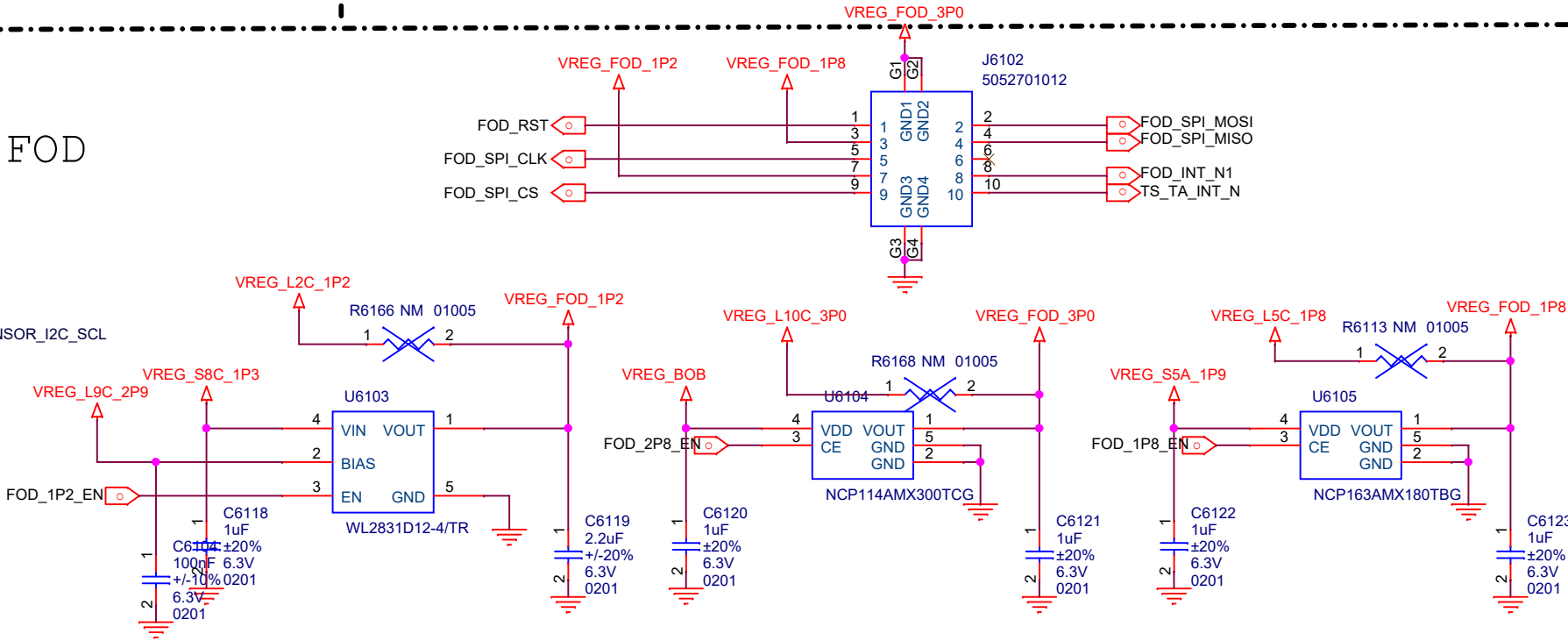
L-sensor



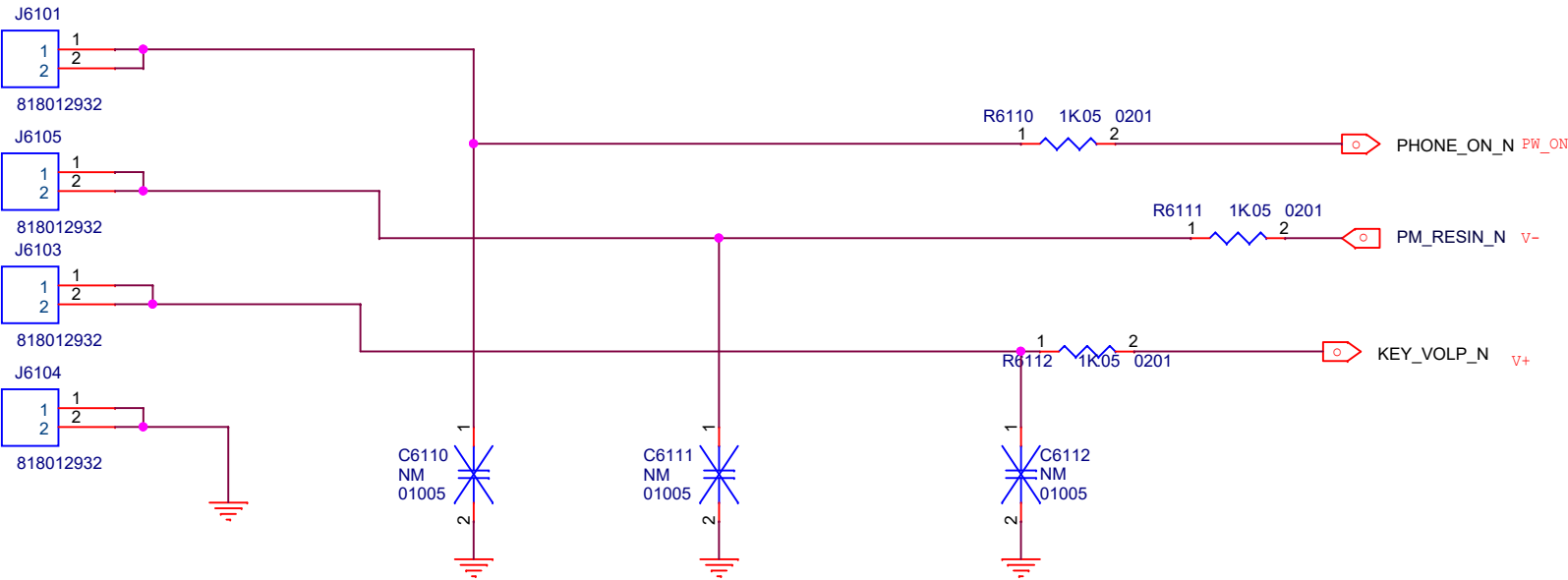
PRESSURE



FOD

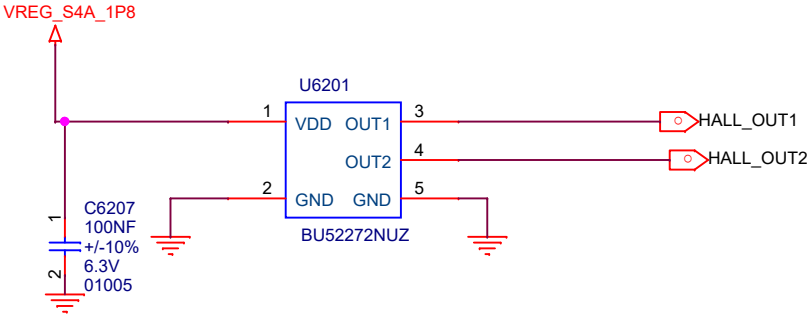


Sidekey

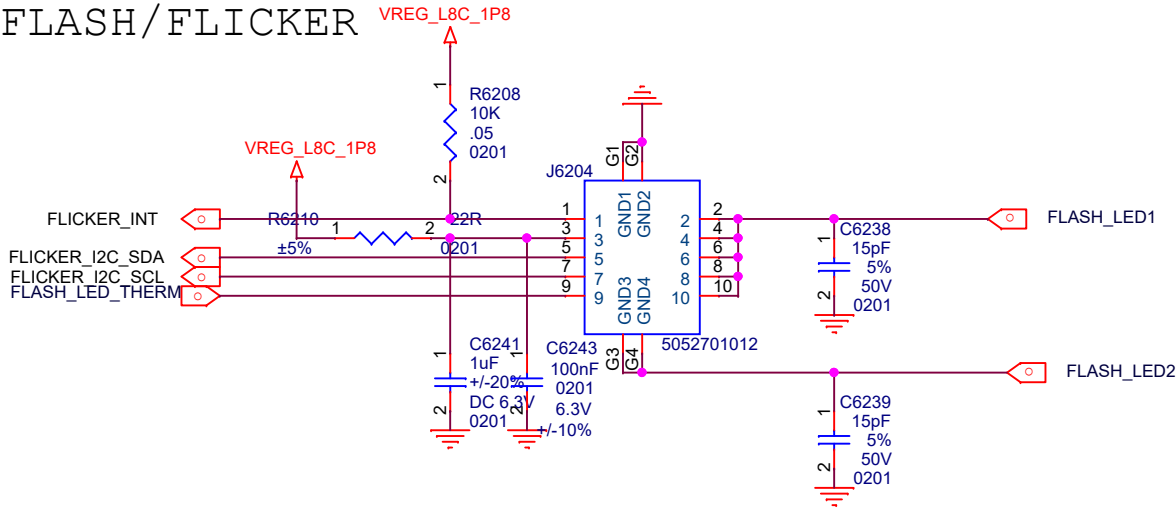


Title		
F1 MAIN		
Size	Document Number	
A3	SENSOR	
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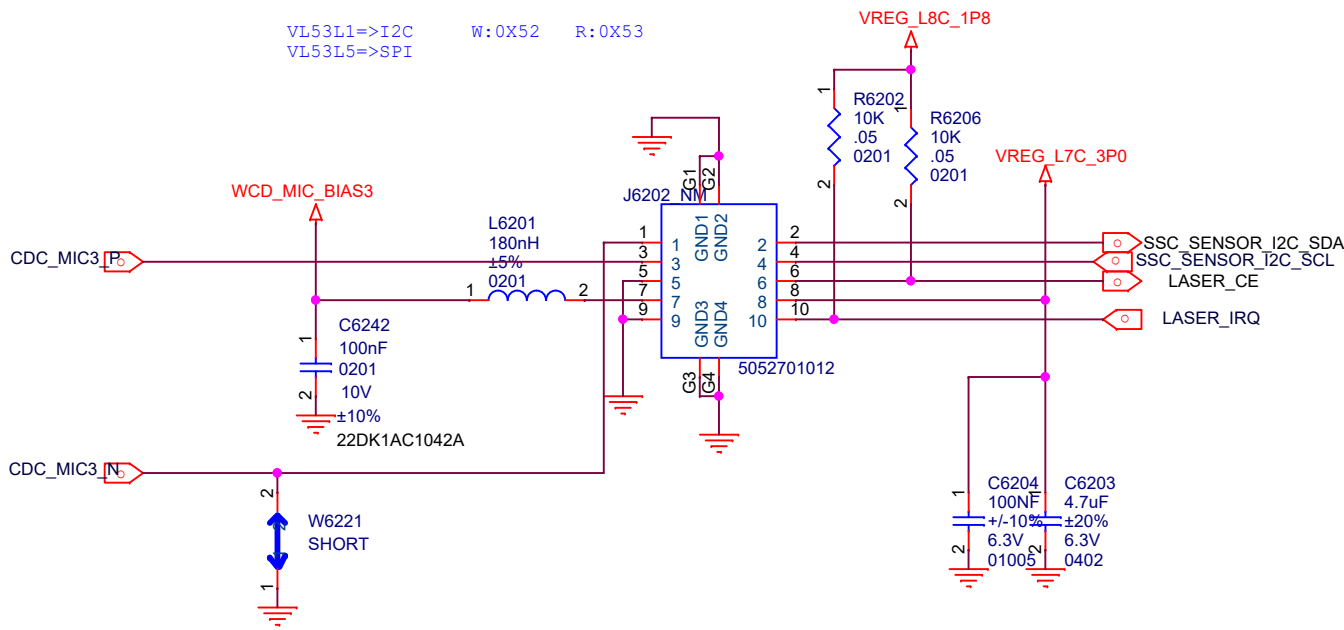
HALL



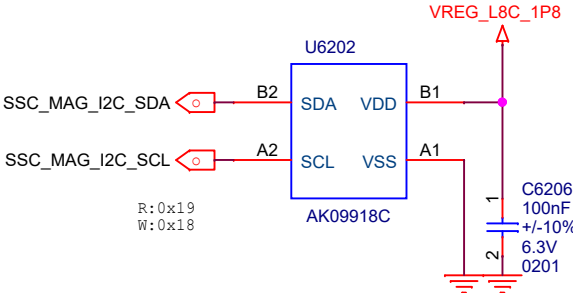
FLASH/FLICKER



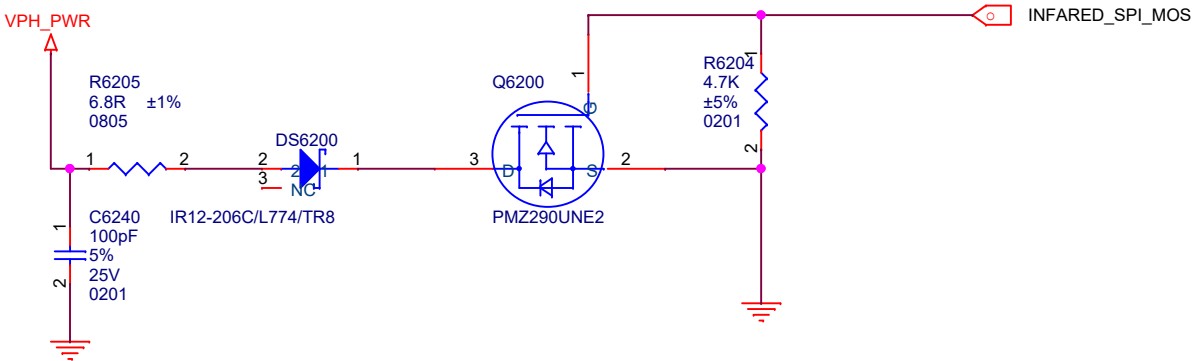
TOF



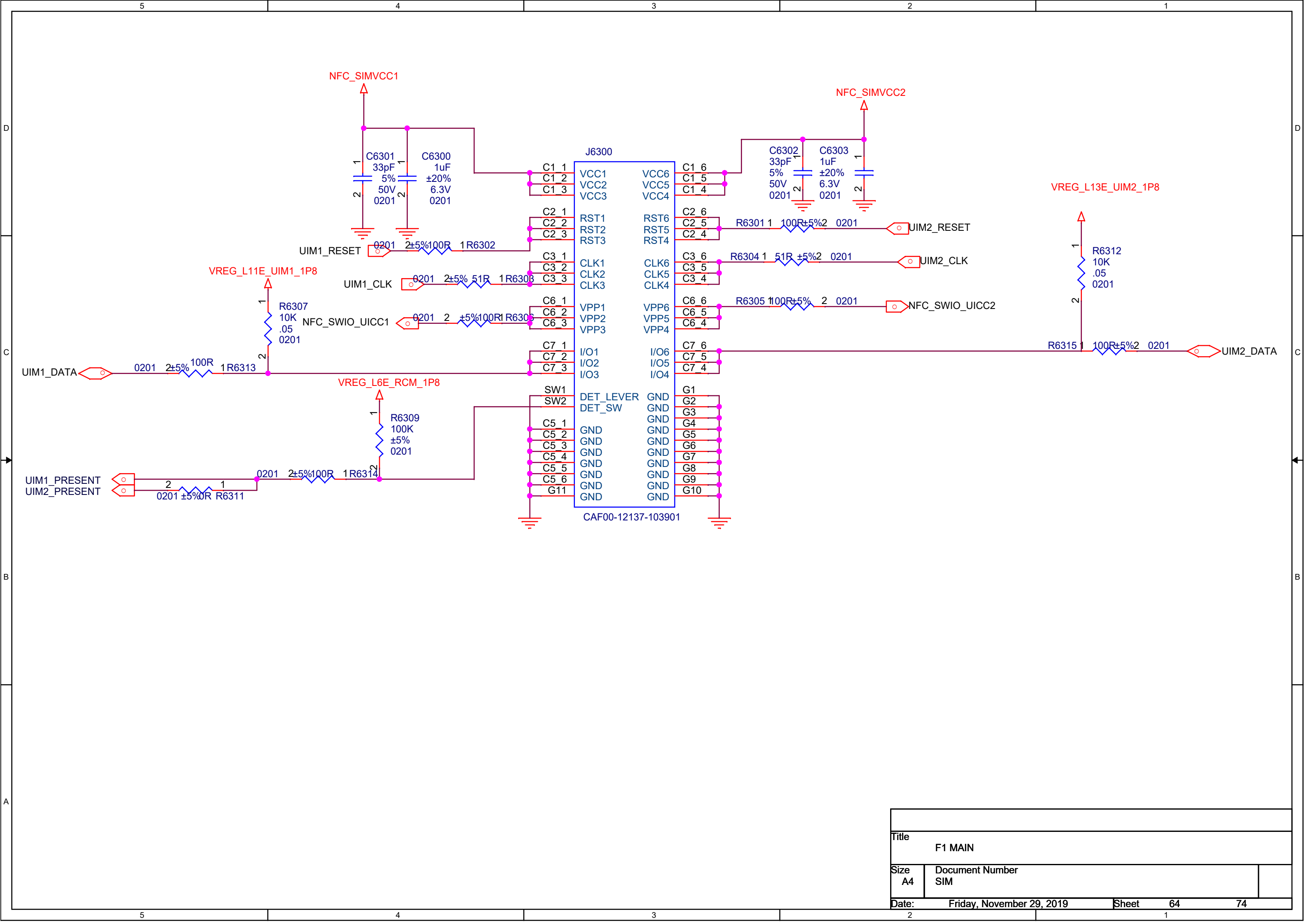
COMPASS

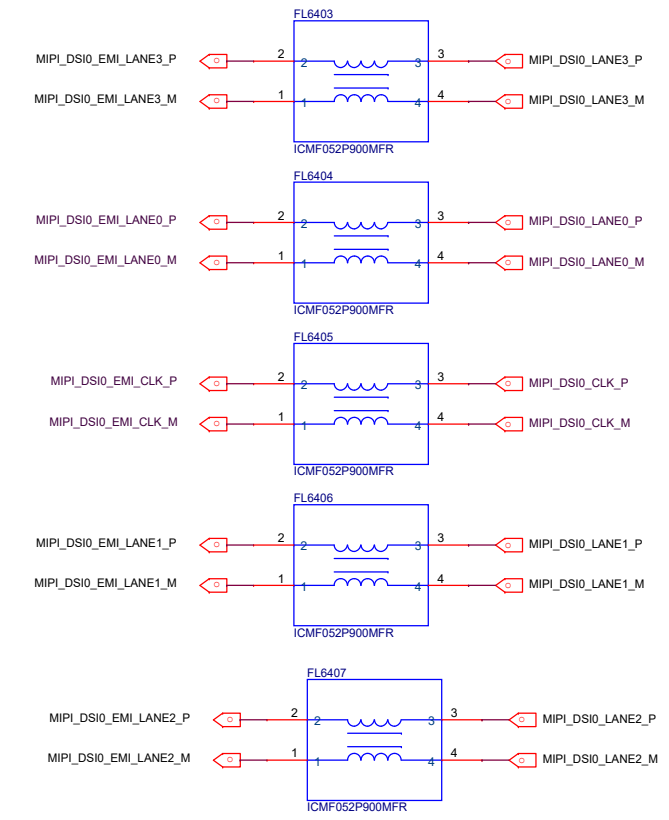
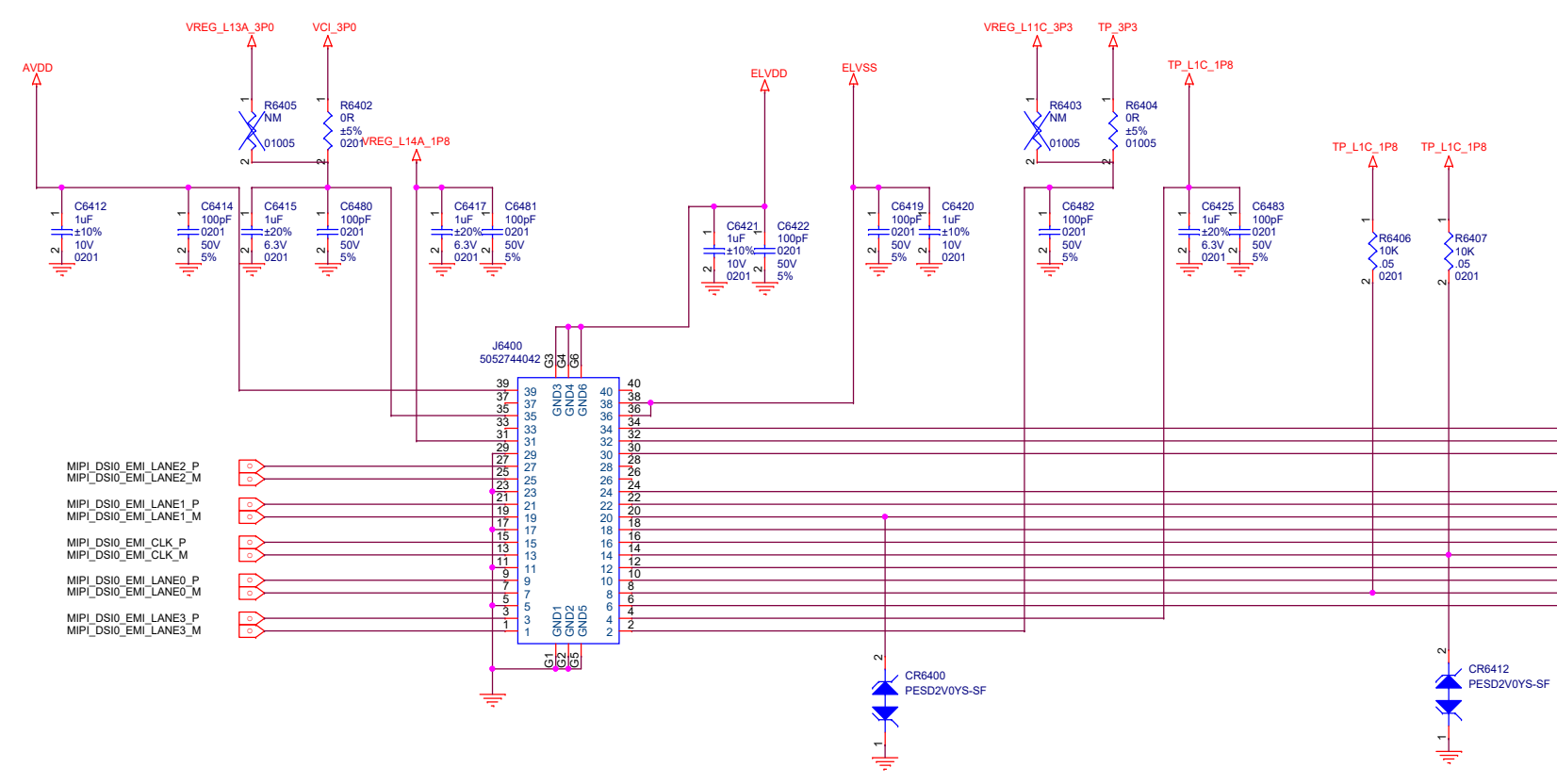
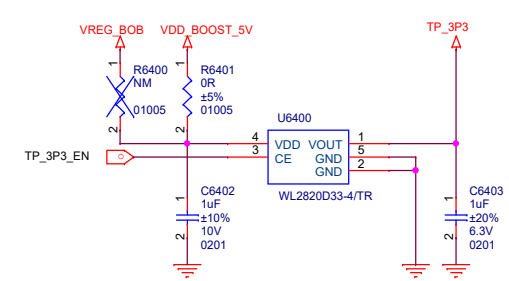
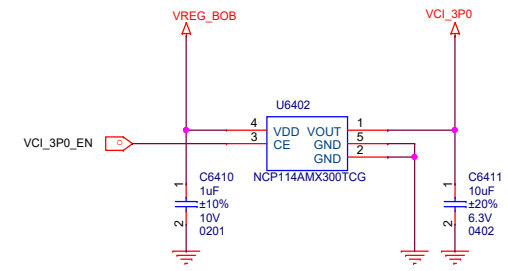


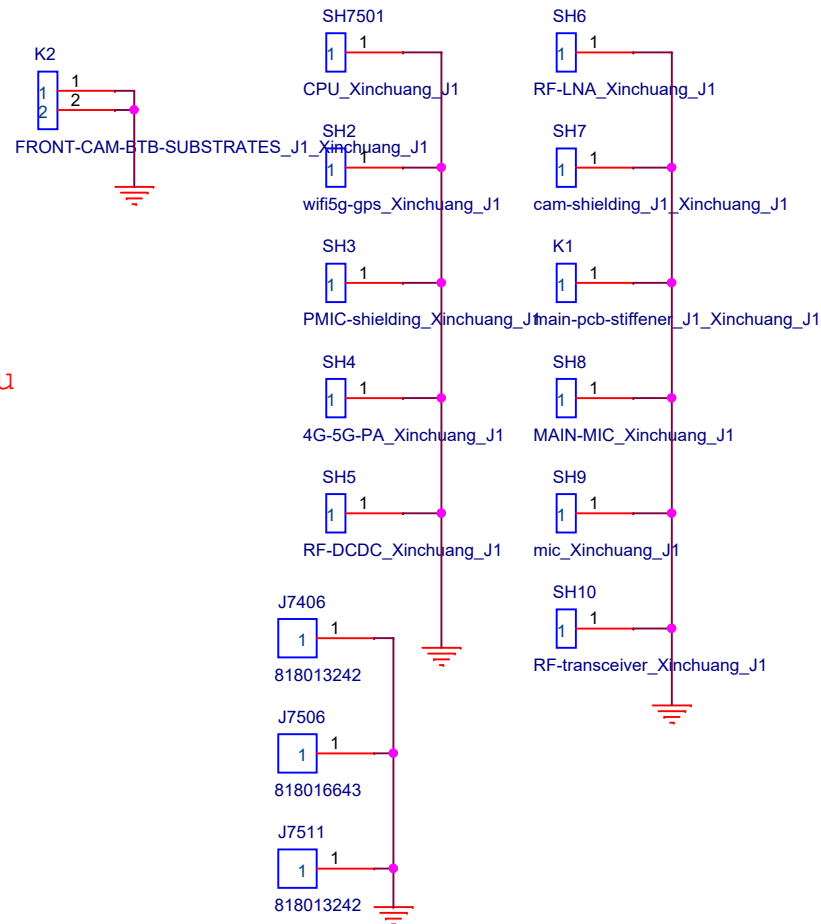
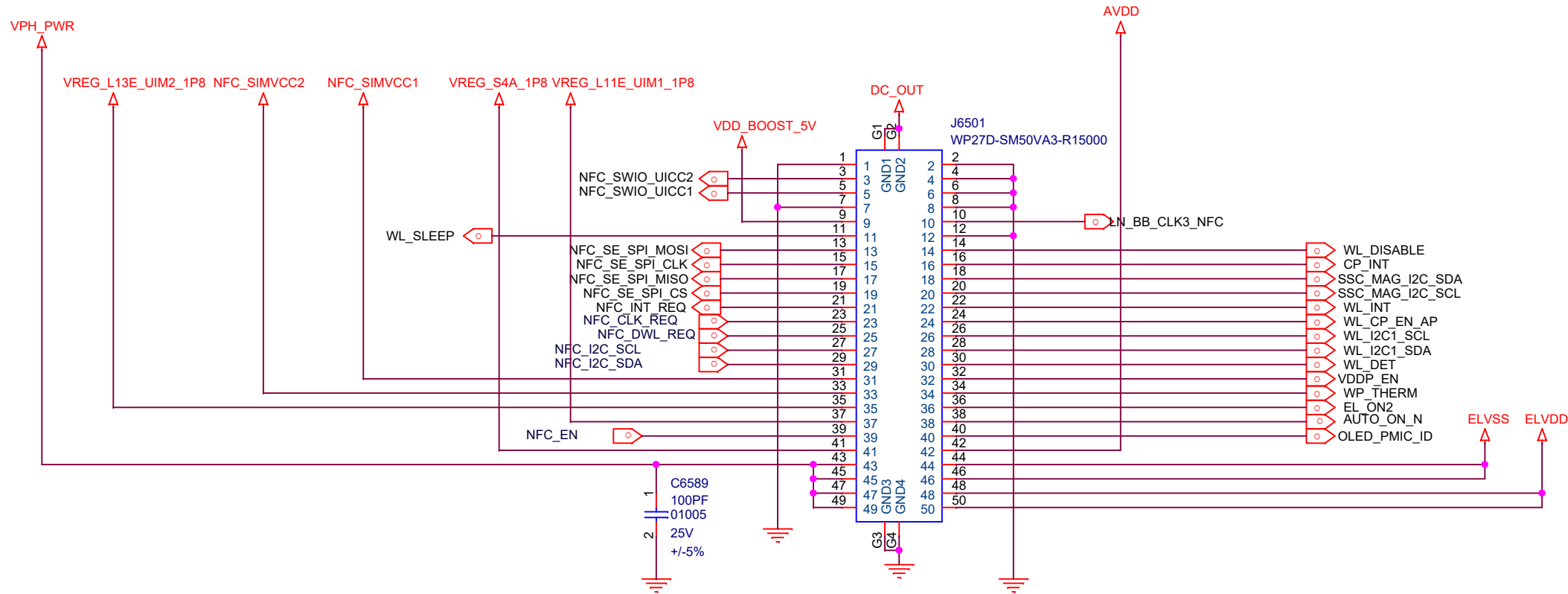
INFRARED



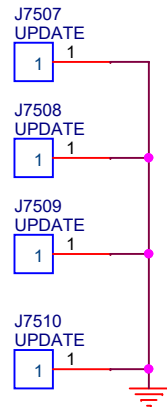
Title		
F1 MAIN		
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A3	SENSOR-2	
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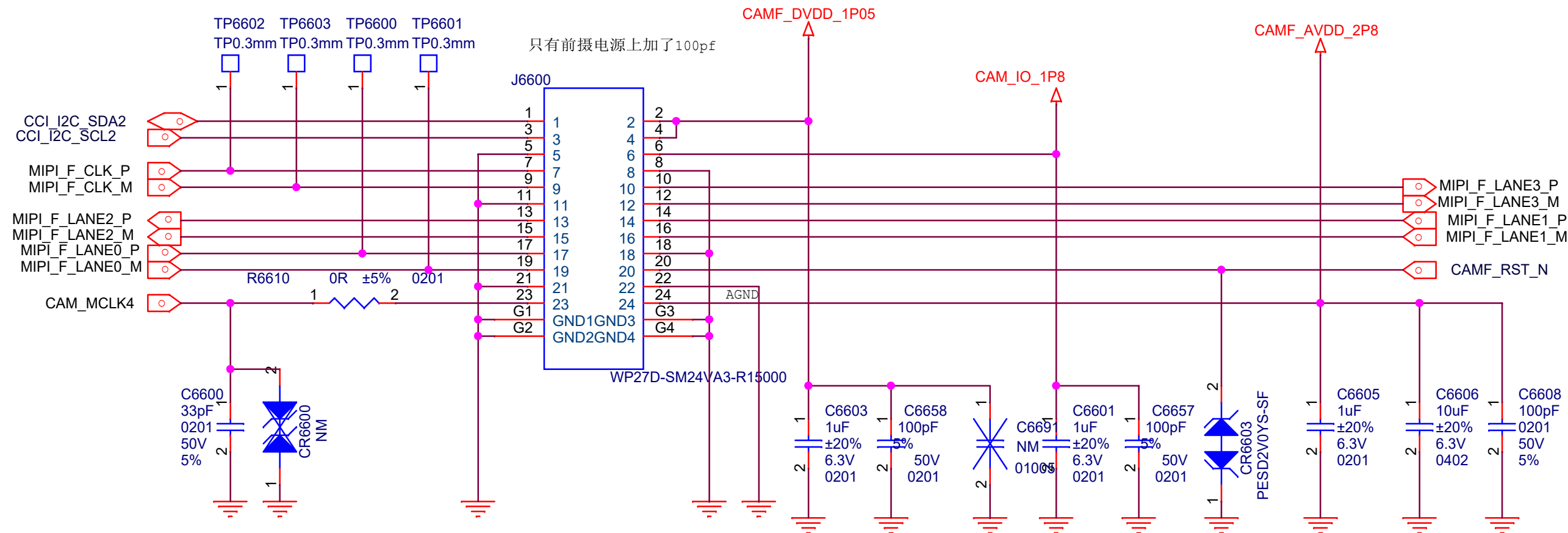




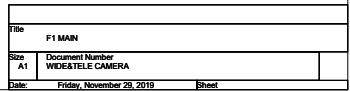
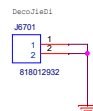
JiDeGengXinKu



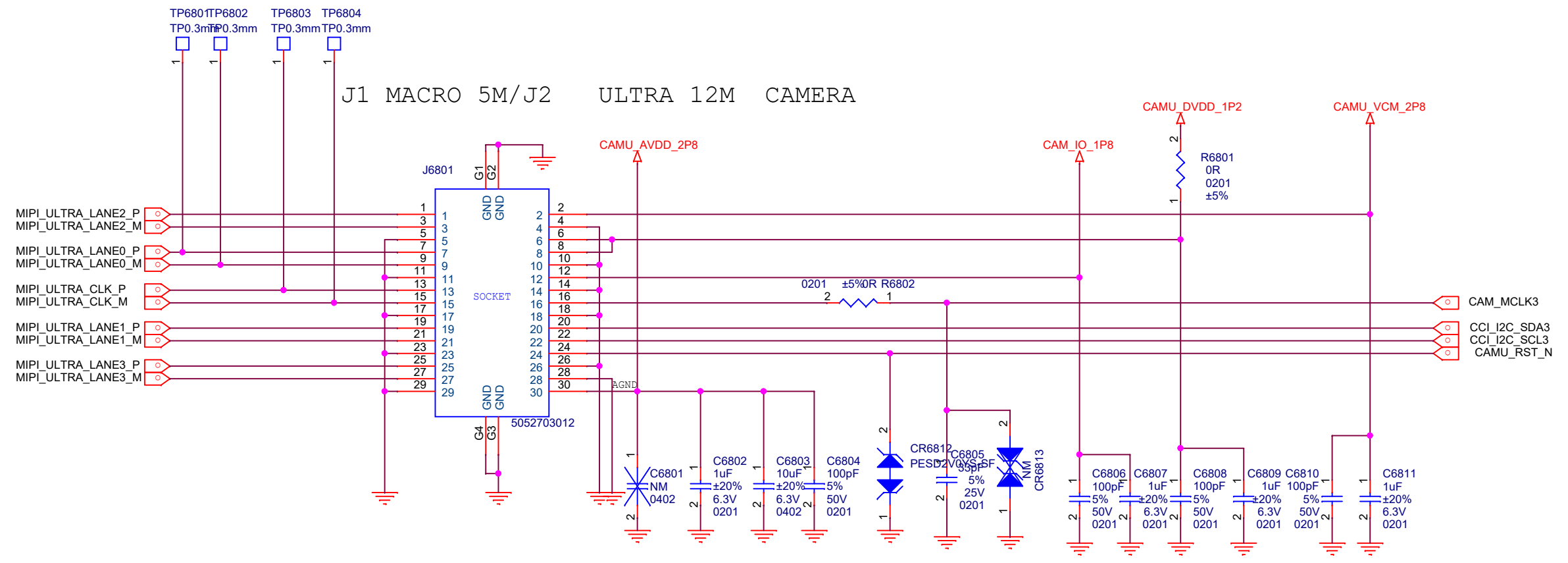
# J1/J2 front 20M CAMERA

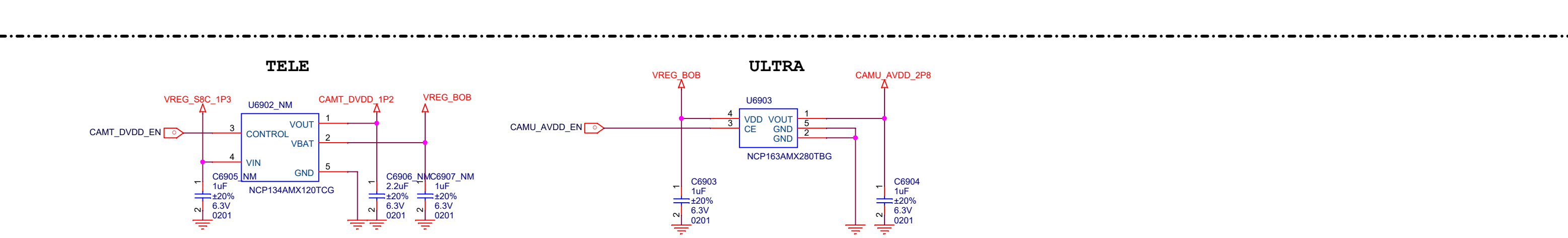
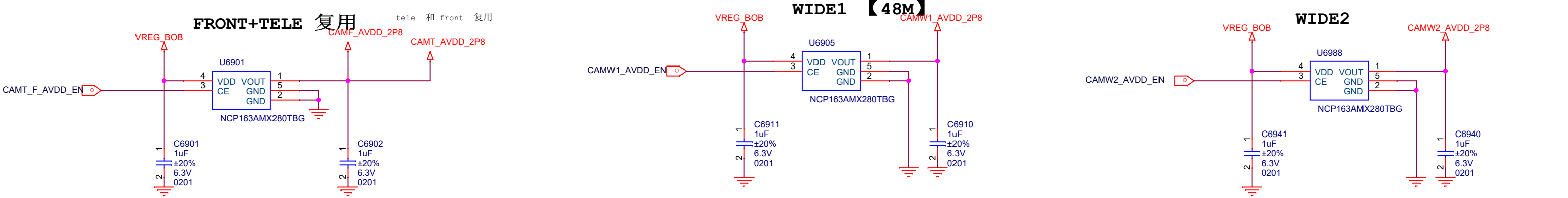


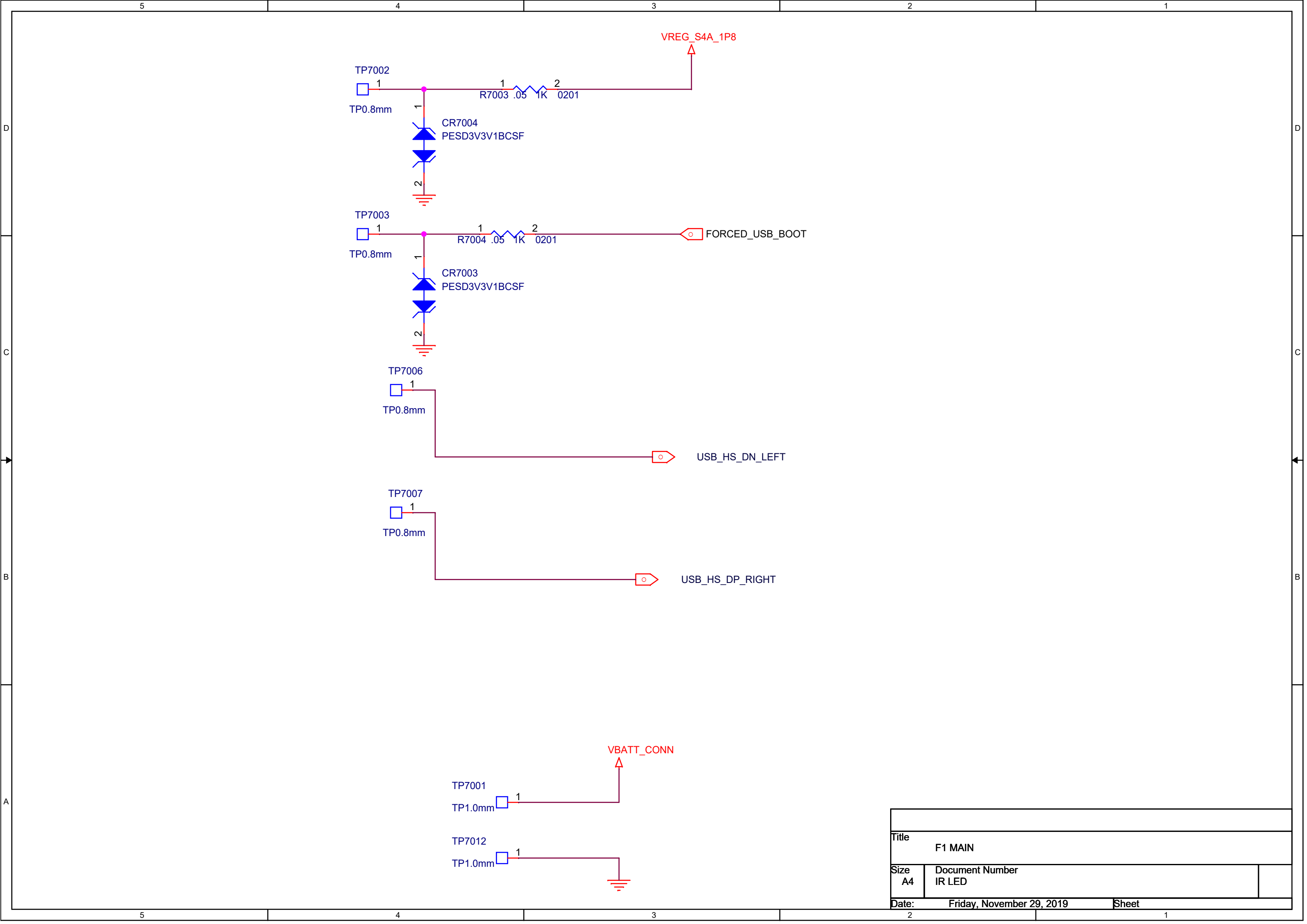
Title		
F1 MAIN		
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A4	Reserved(for Analog FM)	
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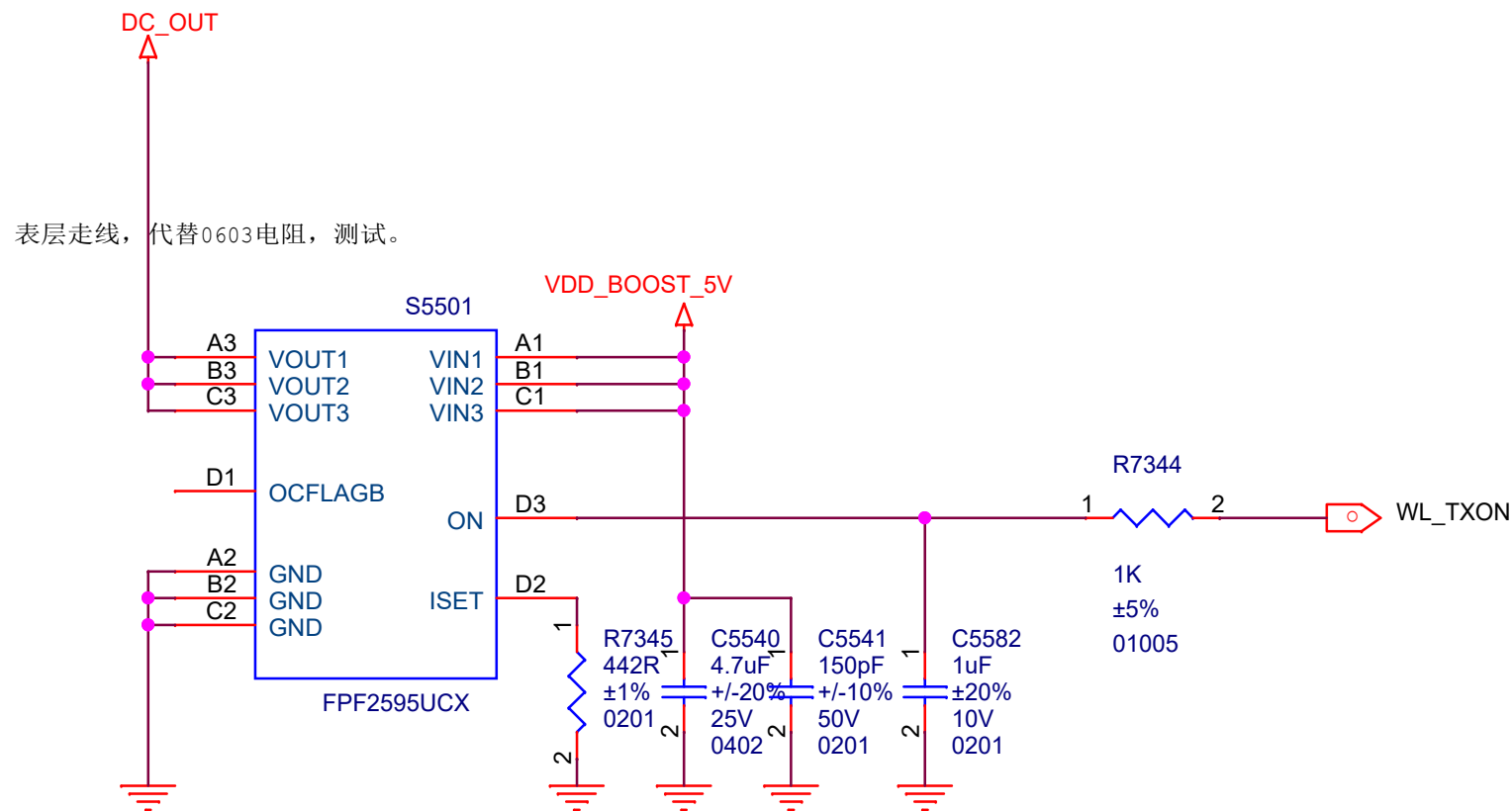






Title		
F1 MAIN		
Size	Document Number	
A4	IR LED	
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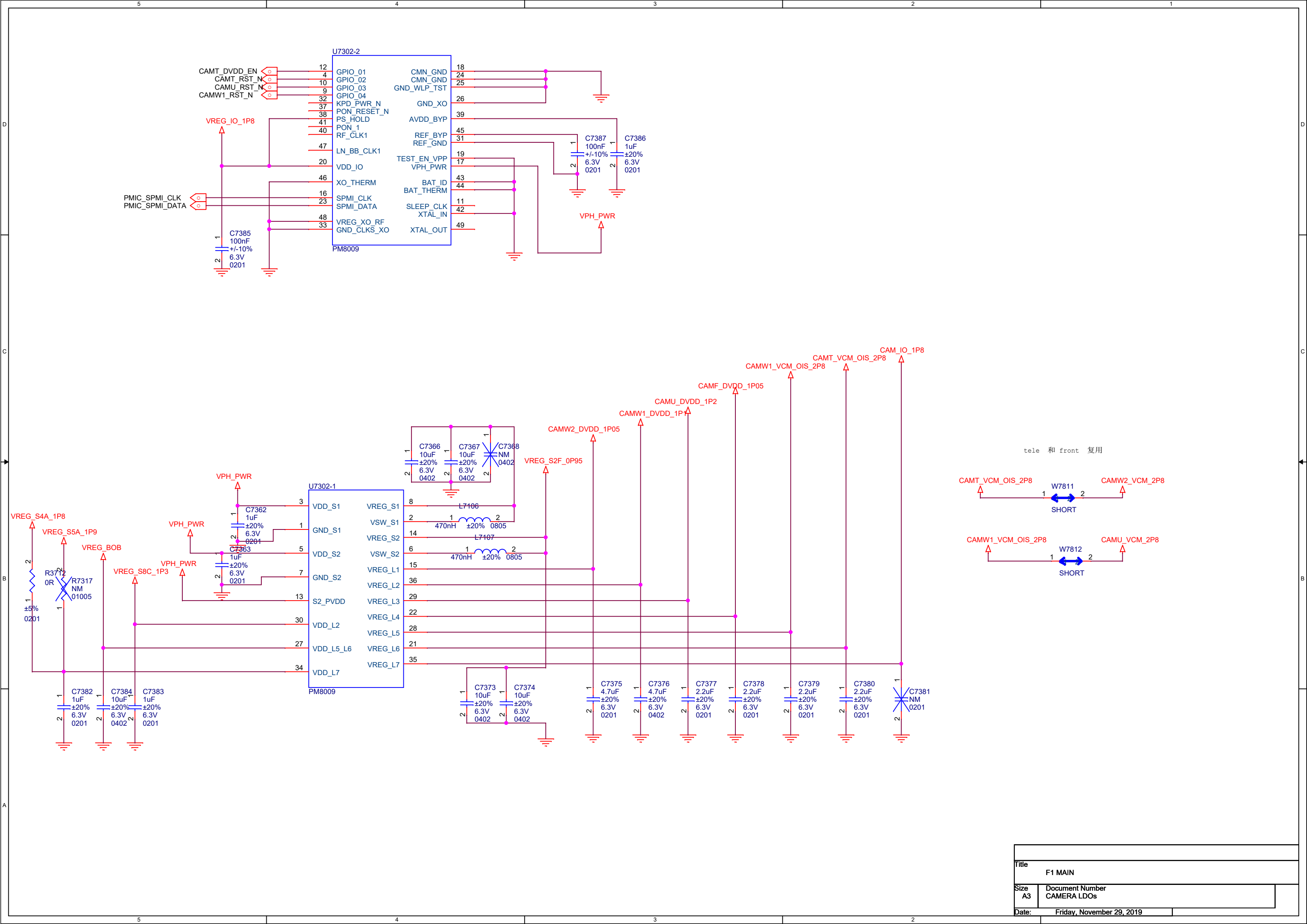
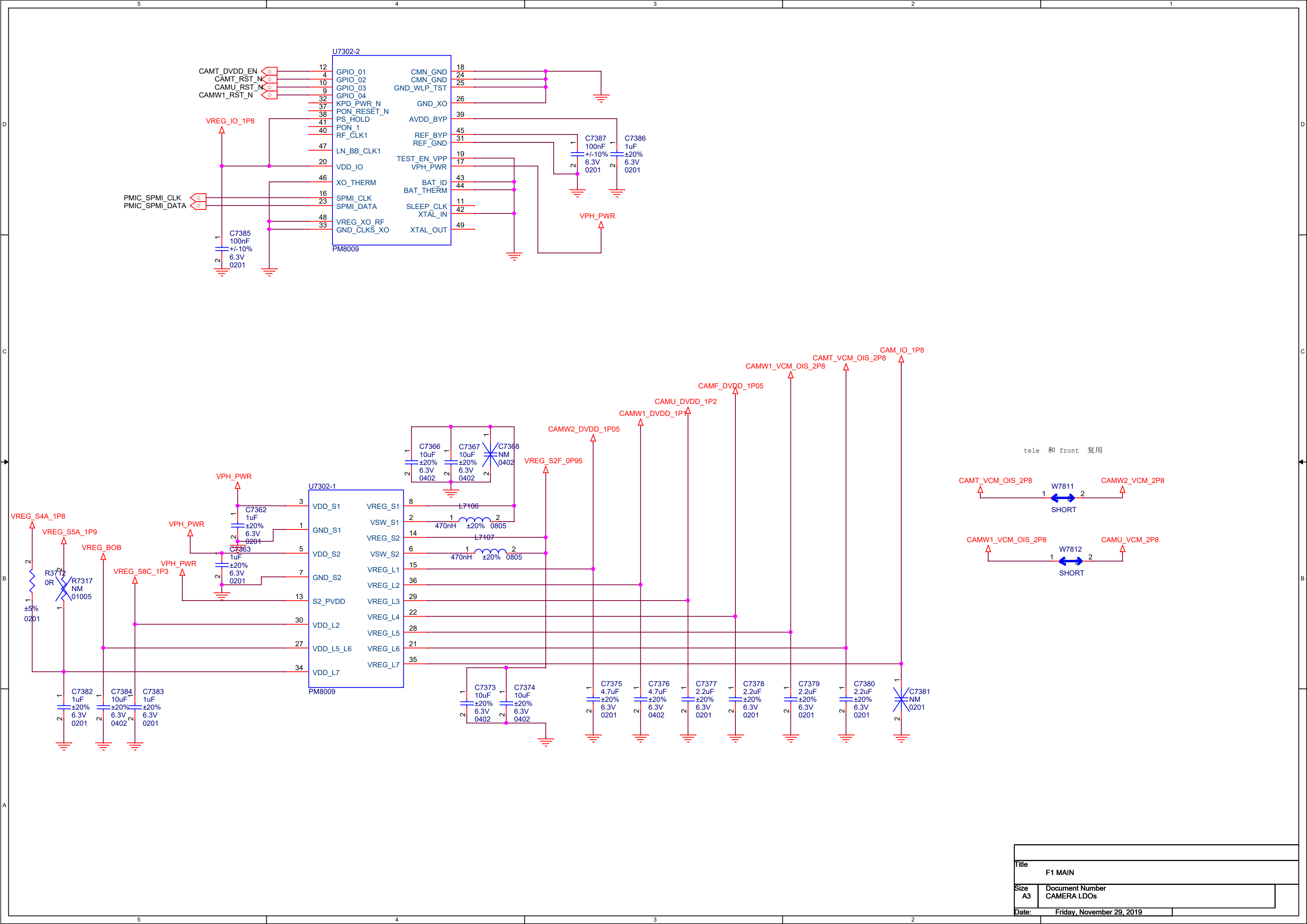
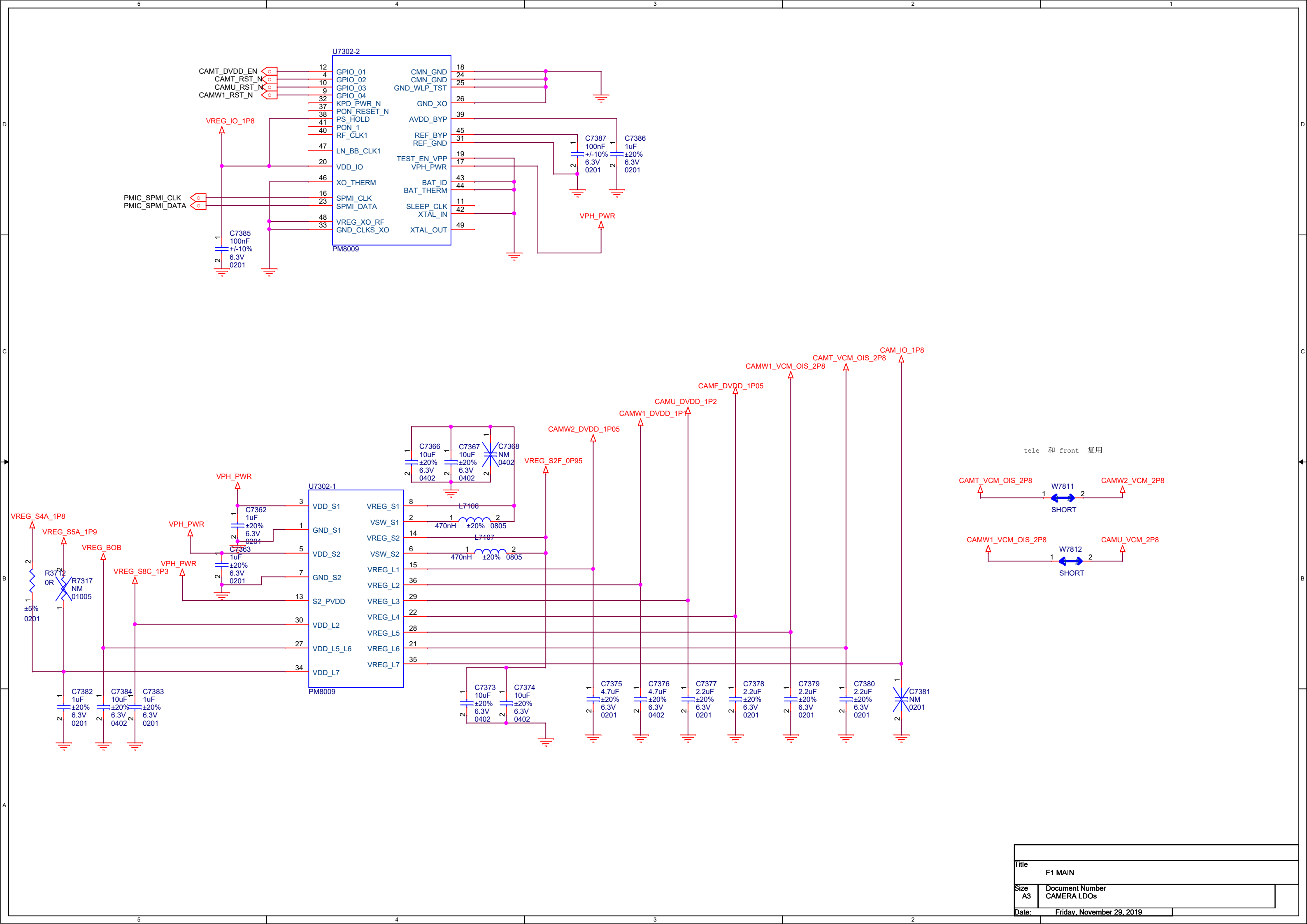




RsetΩ	Min. Current mA	Typ Current mA	Max. Current mA
415	2250	2500	2750
460	2025	2250	2475
520	1800	2000	2200

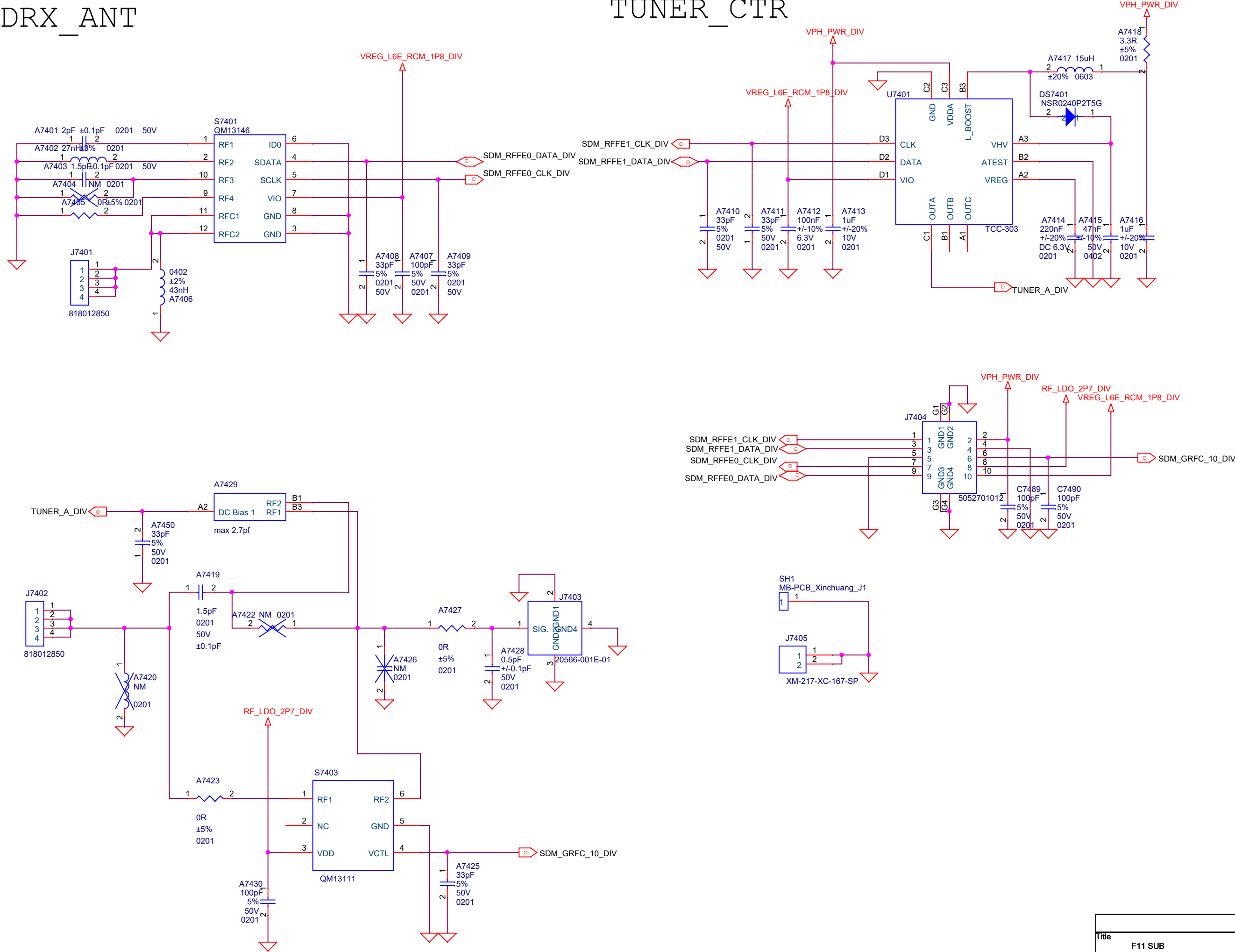


Title		
F1 MAIN		
Size	Document Number	
A4	SMB1390&WL POWER	
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Title			F11 SUB		
Size	A3	Document Number			Rev
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