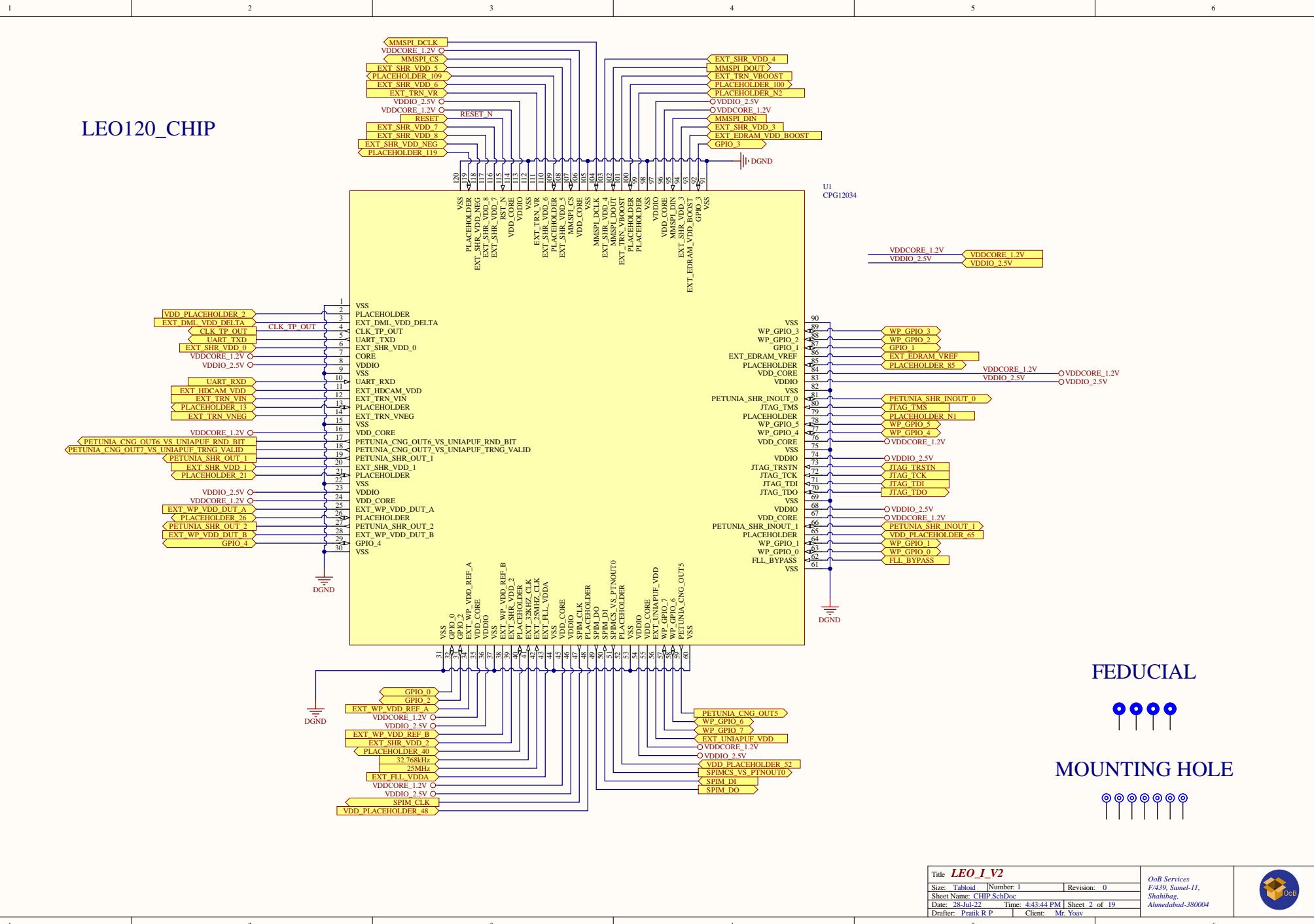


BLOCK DIAGRAM

Title **LEO_I_V2**

Size: Tabloid	Number: 1	Revision: 0
Sheet Name: BLOCKDIAGRAM.SchDoc		
Date: 28-Jul-22	Time: 4:43:44 PM	Sheet 1 of 19
Drafter: Prakr P	Client: Mr. Youv	OoB Services Fid39, Samel-11, Shahibag, Ahmedabad-380004

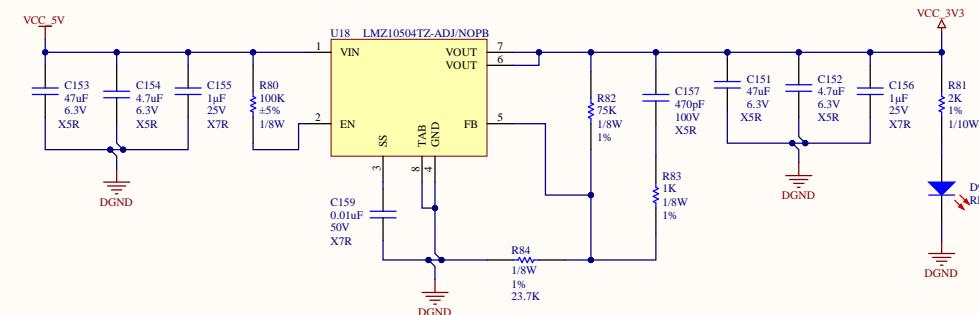
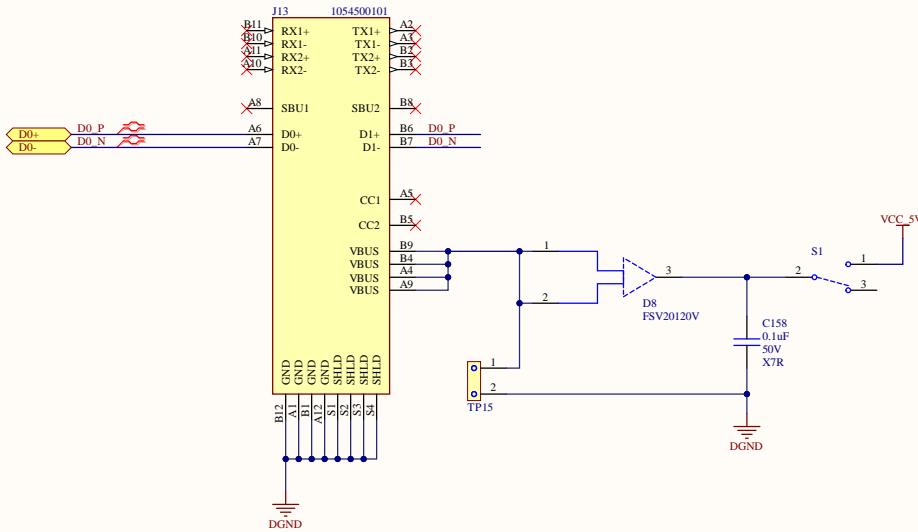




A

A

USB 3.0_INPUT



Title: LEO_I_V2

Size: Tabloid	Number: 1	Revision: 0
Sheet Name: USB_C_MAIN_SUPPLY.pdf		
Date: 28-Jul-22	Time: 4:43:44 PM	Sheet: 3 of 19
Drafter: Pratik R P	Client: Mr. Youv	



1

2

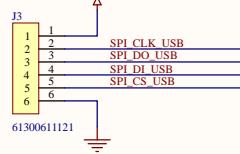
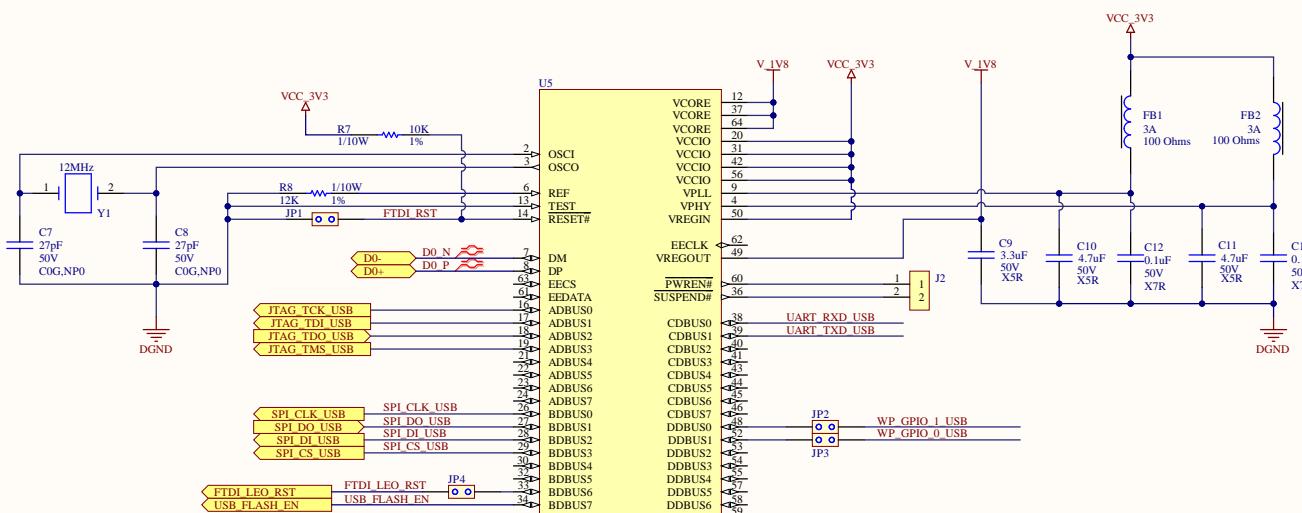
3

4

5

6

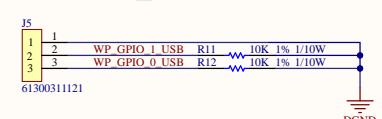
FT4232H



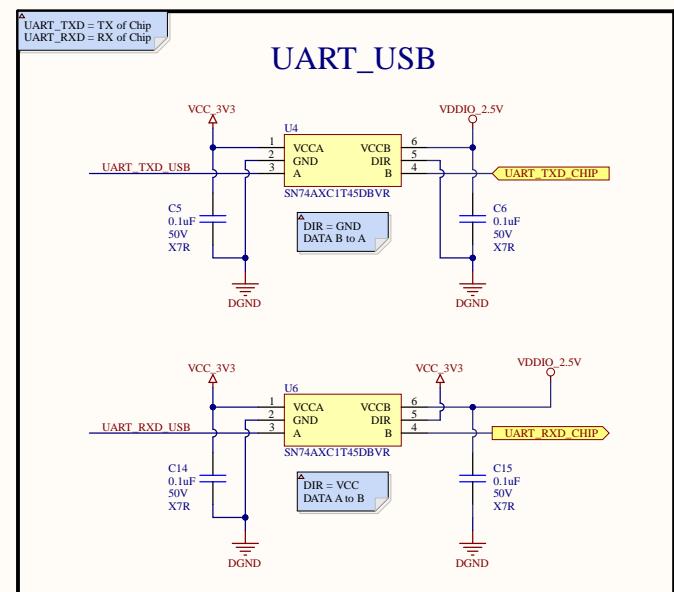
UART_HEADER



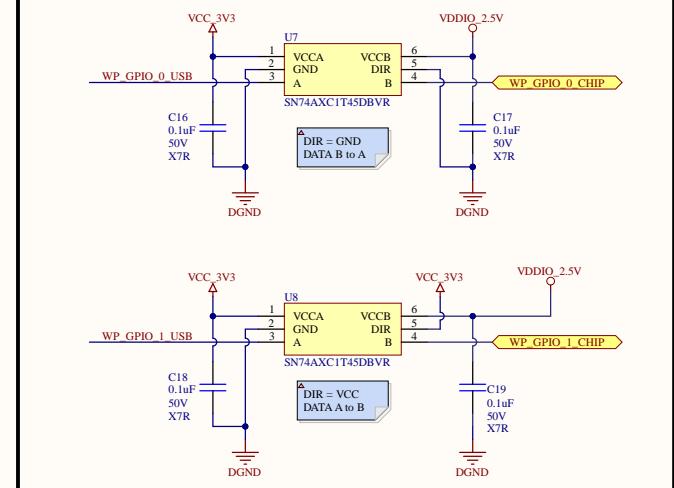
WP_HEADER



UART_USB



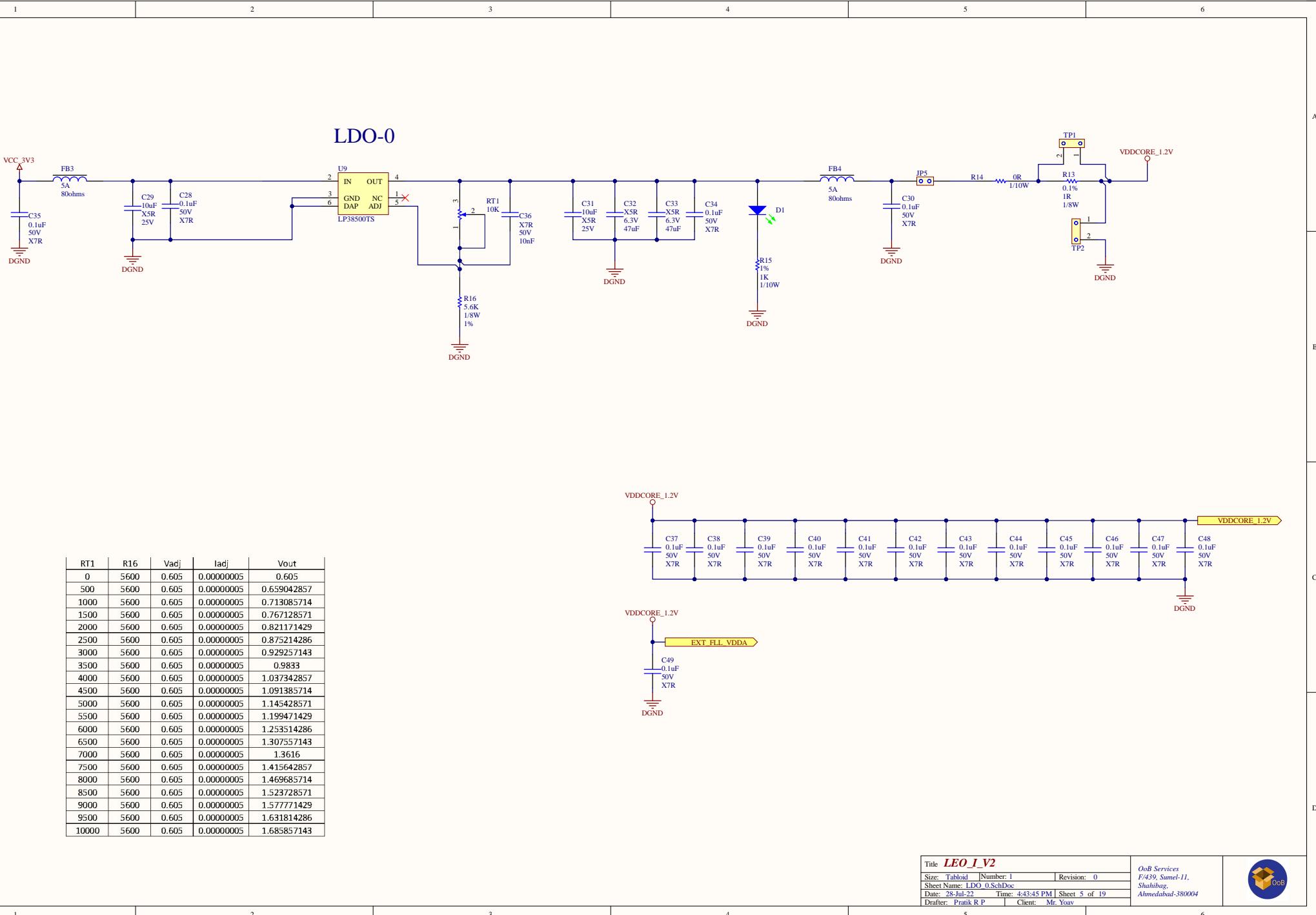
WP_GPIO_USB

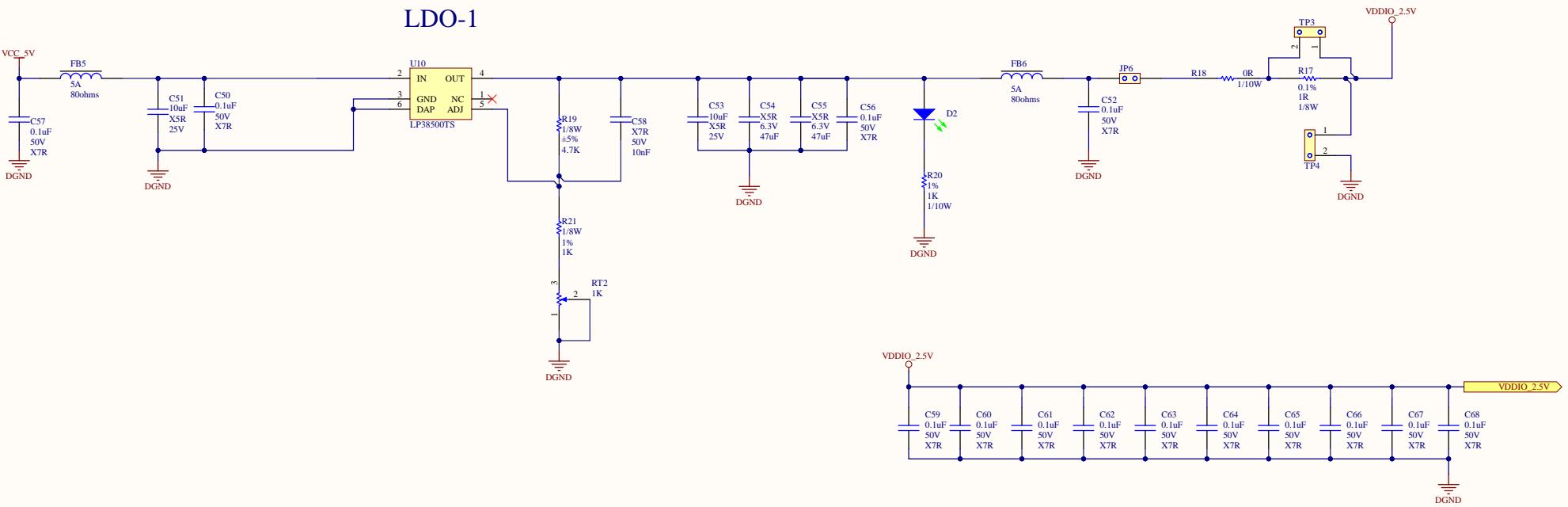


Title: LEO_I_V2

Size:	Tabloid	Number:	1	Revision:	0
Sheet Name:	FT4232H.SchDoc				
Date:	28-Jul-22	Time:	4:43:44 PM	Sheet:	4 of 19
Drafter:	Pratik R P	Client:	Mr. Youv	OoB Services	F4430, Samai-11, Shahibag, Ahmedabad-380004







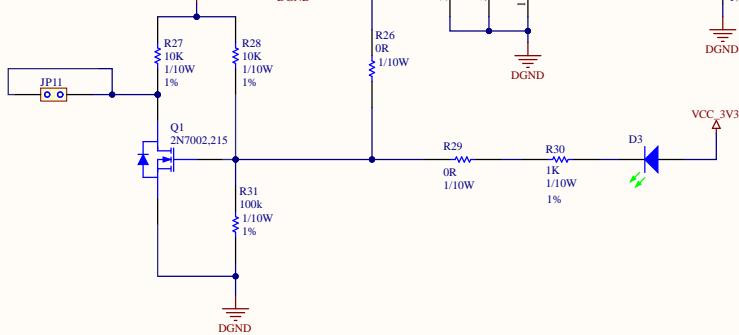
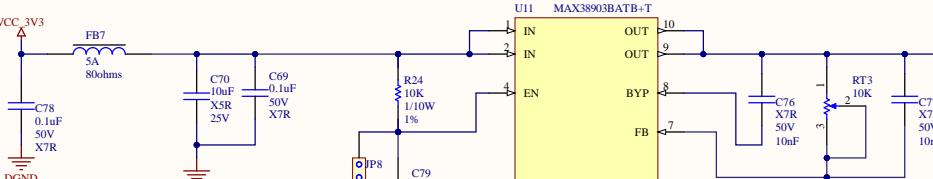
R19	RT2	R21	Vadj	adj	Vout
4700	0	1000	0.605	0.00000005	3.448735
4700	50	1000	0.605	0.00000005	3.31333
4700	100	1000	0.605	0.00000005	3.190235
4700	150	1000	0.605	0.00000005	3.077844
4700	200	1000	0.605	0.00000005	2.974818
4700	250	1000	0.605	0.00000005	2.880035
4700	300	1000	0.605	0.00000005	2.792543
4700	350	1000	0.605	0.00000005	2.711531
4700	400	1000	0.605	0.00000005	2.636306
4700	450	1000	0.605	0.00000005	2.566269
4700	500	1000	0.605	0.00000005	2.500902
4700	550	1000	0.605	0.00000005	2.439751
4700	600	1000	0.605	0.00000005	2.382423
4700	650	1000	0.605	0.00000005	2.328568
4700	700	1000	0.605	0.00000005	2.277882
4700	750	1000	0.605	0.00000005	2.230092
4700	800	1000	0.605	0.00000005	2.184957
4700	850	1000	0.605	0.00000005	2.142262
4700	900	1000	0.605	0.00000005	2.101814
4700	950	1000	0.605	0.00000005	2.06344
4700	1000	1000	0.605	0.00000005	2.026985

Title: **LEO_1_V2**

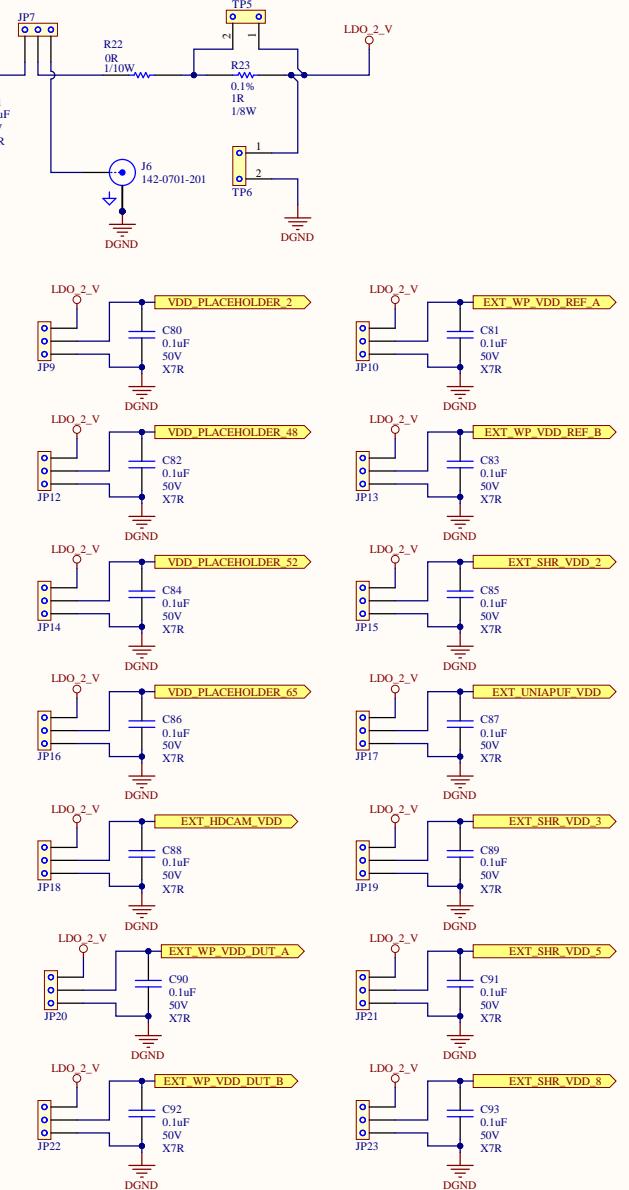
Size: Tabloid | Number: 1 | Revision: 0
 Sheet Name: LDO_1.SchDoc
 Date: 28-Jul-22 | Time: 4:43:45 PM | Sheet 6 of 19
 Drafter: Pratik R P | Client: Mr. Youv



LDO-2

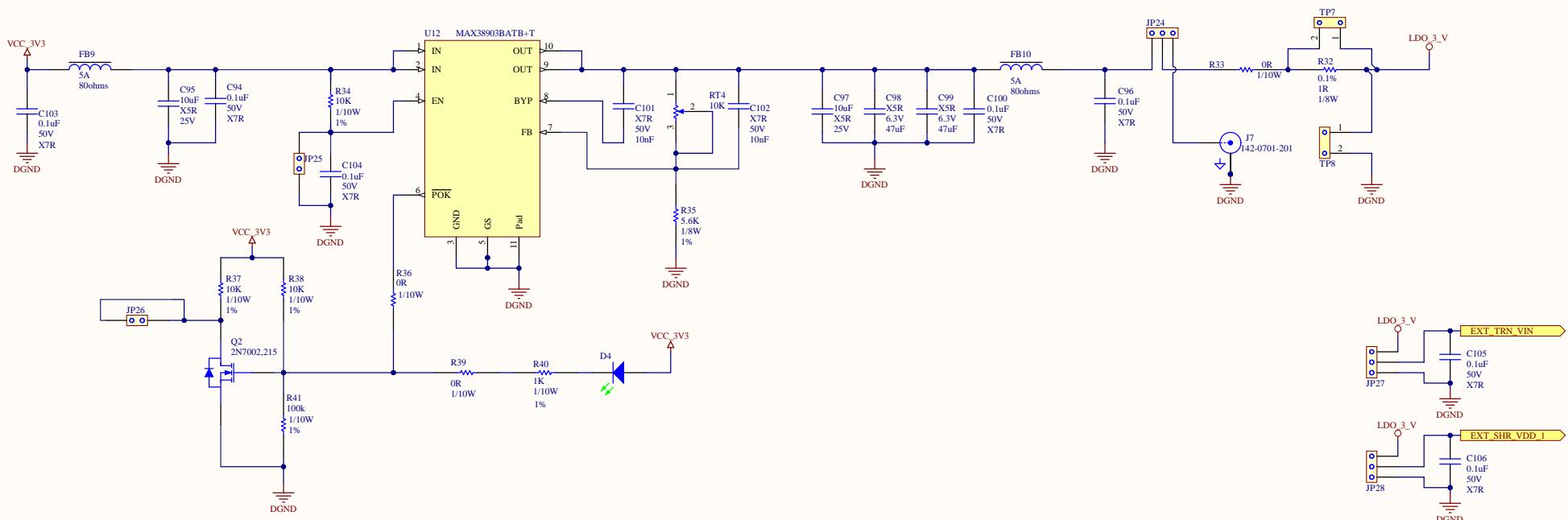


RT3	R25	Vadj	Vout
10000	5600	0.6	1.671429
9500	5600	0.6	1.617857
9000	5600	0.6	1.564286
8500	5600	0.6	1.510714
8000	5600	0.6	1.457143
7500	5600	0.6	1.403571
7000	5600	0.6	1.35
6500	5600	0.6	1.296429
6000	5600	0.6	1.242857
5500	5600	0.6	1.189286
5000	5600	0.6	1.135714
4500	5600	0.6	1.082143
4000	5600	0.6	1.028571
3500	5600	0.6	0.975
3000	5600	0.6	0.921429
2500	5600	0.6	0.867857
2000	5600	0.6	0.814286
1500	5600	0.6	0.760714
1000	5600	0.6	0.707143
500	5600	0.6	0.653571
0	5600	0.6	0.6

Title **LEO_I_V2**

Size: Tabloid | Number: 1 | Revision: 0
 Sheet Name: LDO_2.5chDoc
 Date: 28-Jul-22 | Time: 4:43:45 PM | Sheet: 7 of 19
 Drafter: Pratik R P | Client: Mr. Youv



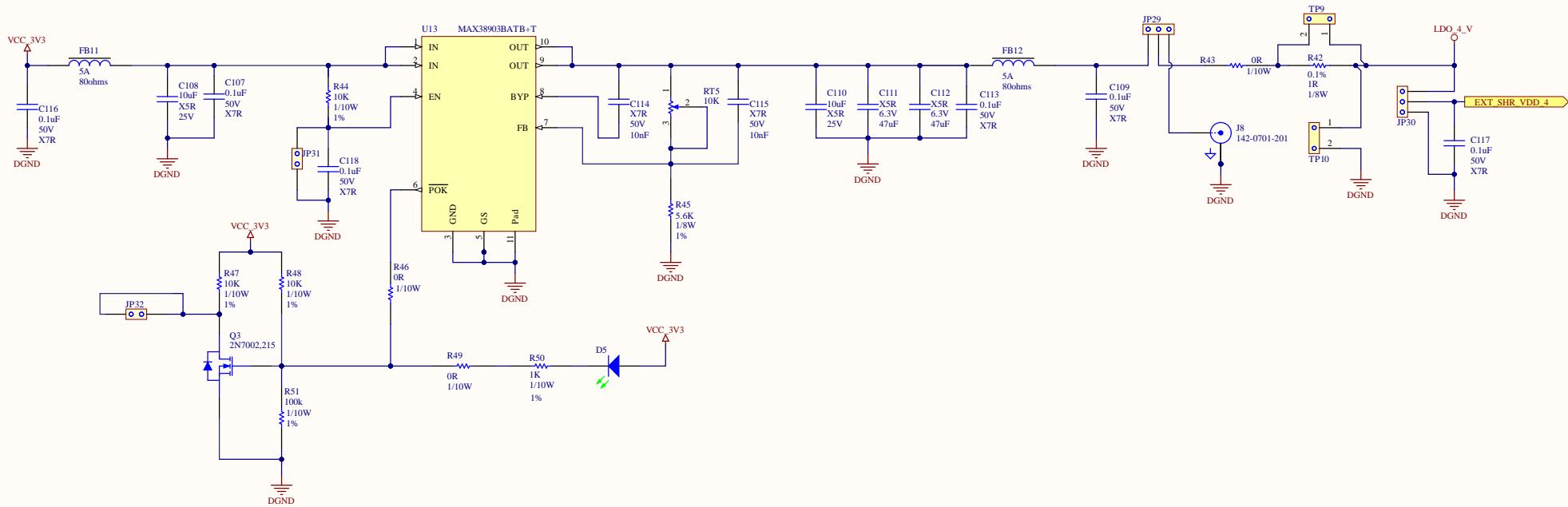
LDO-3

RT4	R35	Vadj	Vout
10000	5600	0.6	1.671429
9500	5600	0.6	1.617857
9000	5600	0.6	1.564286
8500	5600	0.6	1.510714
8000	5600	0.6	1.457143
7500	5600	0.6	1.403571
7000	5600	0.6	1.35
6500	5600	0.6	1.296429
6000	5600	0.6	1.242857
5500	5600	0.6	1.189286
5000	5600	0.6	1.135714
4500	5600	0.6	1.082143
4000	5600	0.6	1.028571
3500	5600	0.6	0.975
3000	5600	0.6	0.921429
2500	5600	0.6	0.867857
2000	5600	0.6	0.814286
1500	5600	0.6	0.760714
1000	5600	0.6	0.707143
500	5600	0.6	0.653571
0	5600	0.6	0.6

Title: **LEO_1_V2**

Size: Tabloid | Number: 1 | Revision: 0
 Sheet Number: LDO_3.SchDoc
 Date: 28-Jul-22 | Time: 4:43:45 PM | Sheet 8 of 19
 Drafter: Pratik R P | Client: Mr. Youv



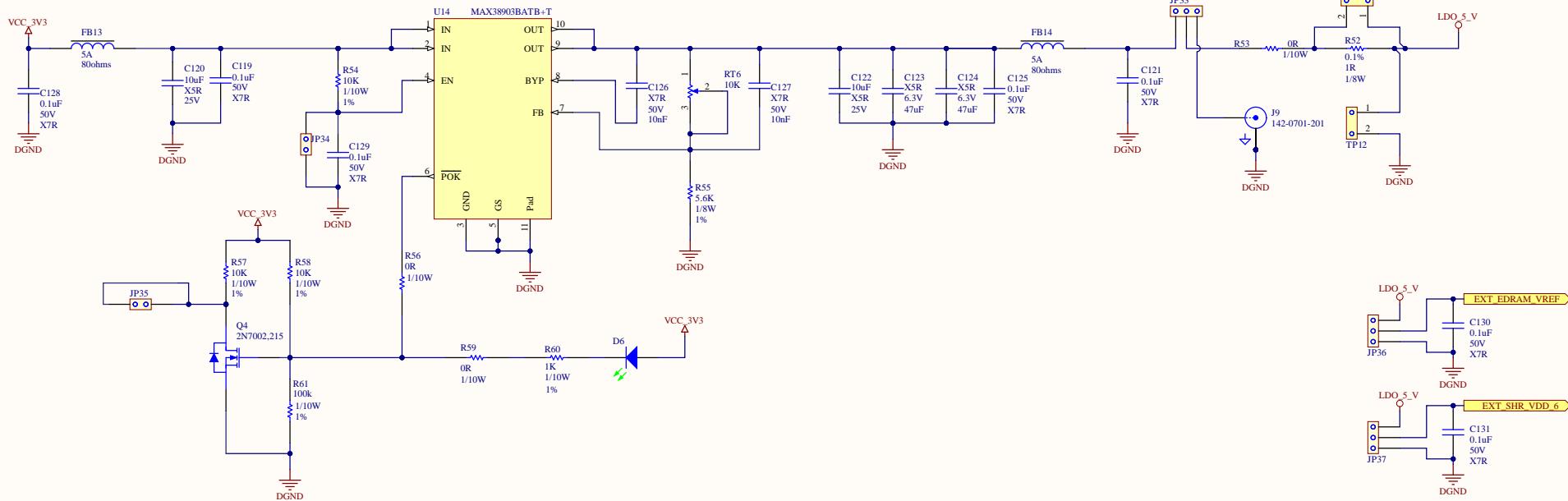
LDO-4

RT5	R45	Vadj	Vout
10000	5600	0.6	1.671429
9500	5600	0.6	1.617857
9000	5600	0.6	1.564286
8500	5600	0.6	1.510714
8000	5600	0.6	1.457143
7500	5600	0.6	1.403571
7000	5600	0.6	1.35
6500	5600	0.6	1.296429
6000	5600	0.6	1.242857
5500	5600	0.6	1.189286
5000	5600	0.6	1.135714
4500	5600	0.6	1.082143
4000	5600	0.6	1.028571
3500	5600	0.6	0.975
3000	5600	0.6	0.921429
2500	5600	0.6	0.867857
2000	5600	0.6	0.814286
1500	5600	0.6	0.760714
1000	5600	0.6	0.707143
500	5600	0.6	0.653571
0	5600	0.6	0.6

Title: **LEO_1_V2**

Size: Tabloid | Number: 1 | Revision: 0
 Sheet Number: LDO_4.SchDoc
 Date: 28-Jul-22 | Time: 4:43:45 PM | Sheet: 9 of 19
 Drafter: Pratik R P | Client: Mr. Youv



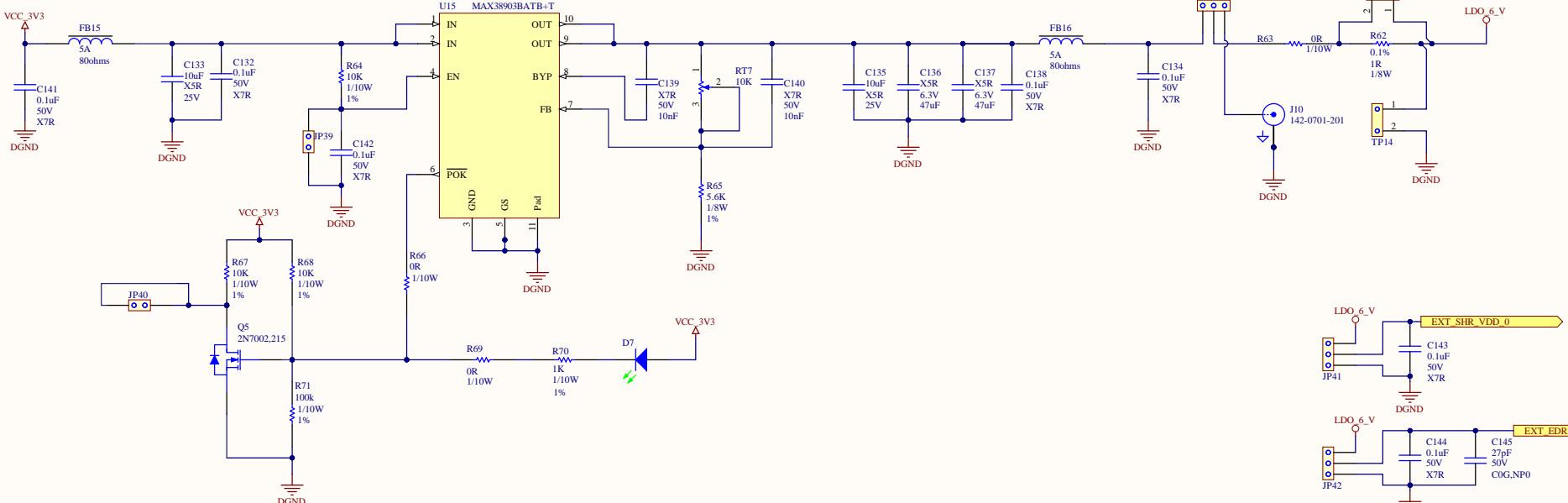
LDO-5

RT6	R55	Vadj	Vout
10000	5600	0.6	1.671429
9500	5600	0.6	1.617857
9000	5600	0.6	1.564286
8500	5600	0.6	1.510714
8000	5600	0.6	1.457143
7500	5600	0.6	1.403571
7000	5600	0.6	1.35
6500	5600	0.6	1.296429
6000	5600	0.6	1.242857
5500	5600	0.6	1.189286
5000	5600	0.6	1.135714
4500	5600	0.6	1.082143
4000	5600	0.6	1.028571
3500	5600	0.6	0.975
3000	5600	0.6	0.921429
2500	5600	0.6	0.867857
2000	5600	0.6	0.814286
1500	5600	0.6	0.760714
1000	5600	0.6	0.707143
500	5600	0.6	0.653571
0	5600	0.6	0.6

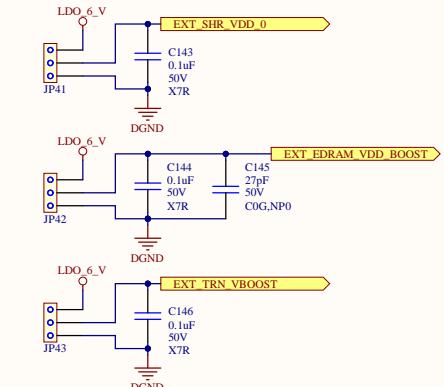
Title: **LEO_I_V2**

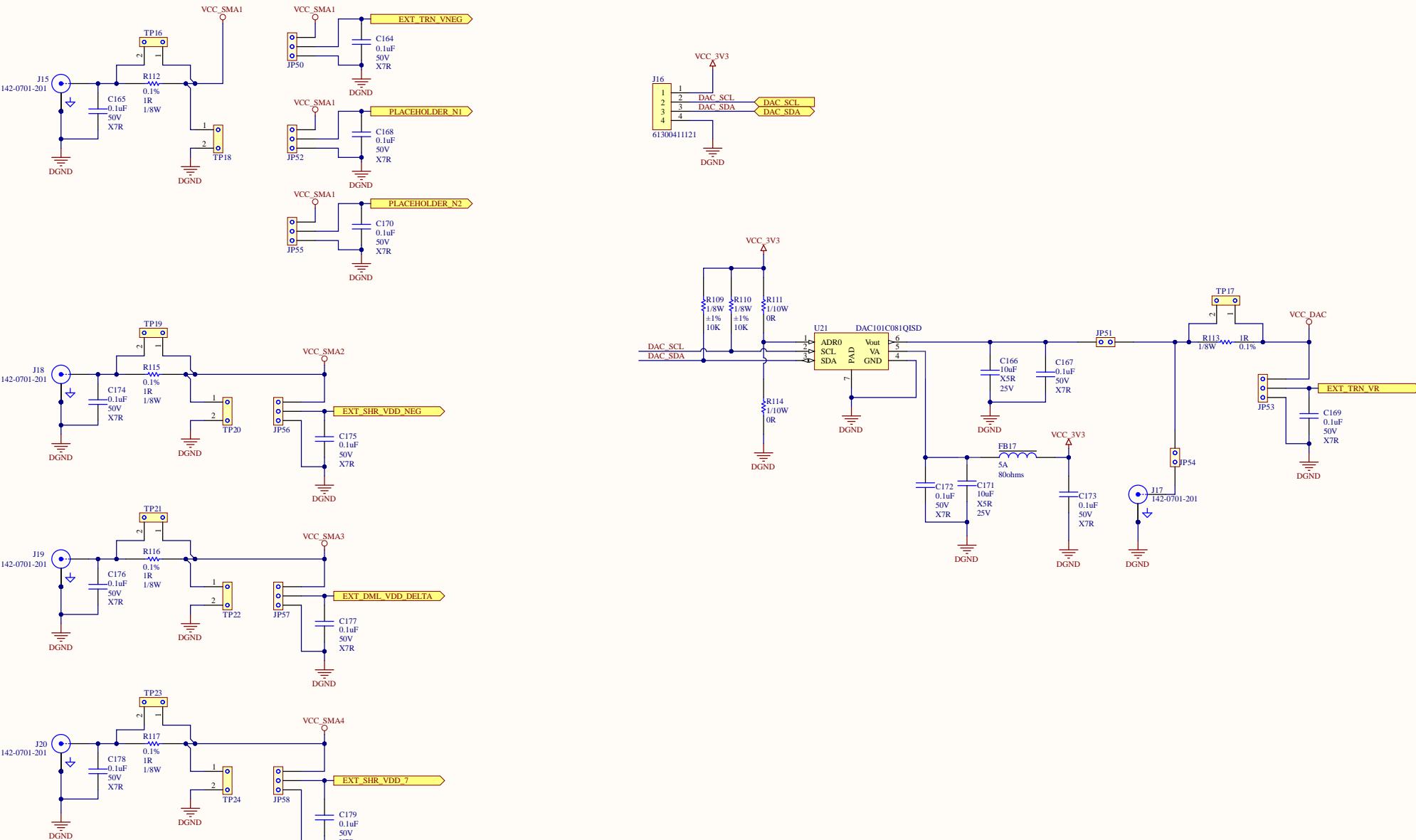
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 Sheet Number: LDO_5.SchDoc
 Date: 28-Jul-22 | Time: 4:43:45 PM | Sheet: 10 of 19
 Drafter: Pratik R P | Client: Mr. Youv



LDO-6

RT7	R65	Vadj	Vout
10000	5600	0.6	1.671429
9500	5600	0.6	1.617857
9000	5600	0.6	1.564286
8500	5600	0.6	1.510714
8000	5600	0.6	1.457143
7500	5600	0.6	1.403571
7000	5600	0.6	1.35
6500	5600	0.6	1.296429
6000	5600	0.6	1.242857
5500	5600	0.6	1.189286
5000	5600	0.6	1.135714
4500	5600	0.6	1.082143
4000	5600	0.6	1.028571
3500	5600	0.6	0.975
3000	5600	0.6	0.921429
2500	5600	0.6	0.867857
2000	5600	0.6	0.814286
1500	5600	0.6	0.760714
1000	5600	0.6	0.707143
500	5600	0.6	0.653571
0	5600	0.6	0.6



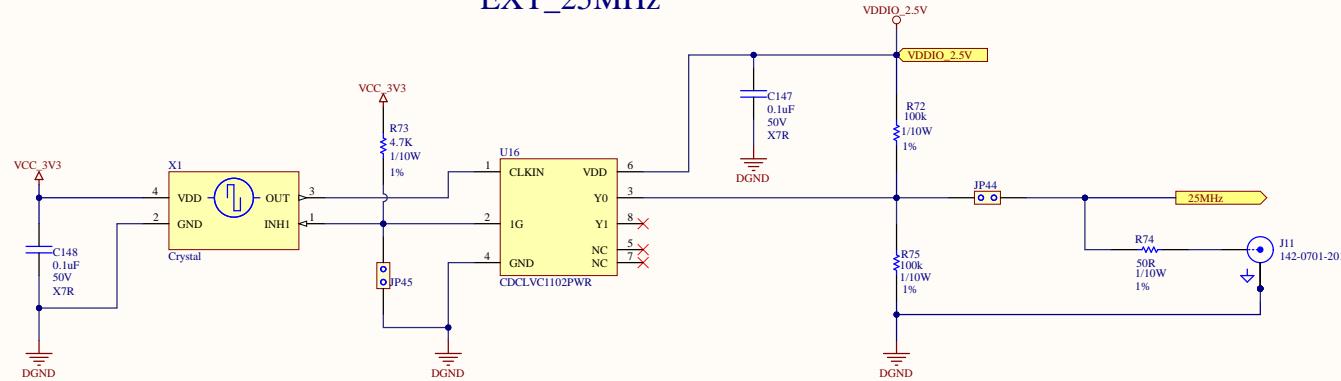


Title: **LEO_I_V2**

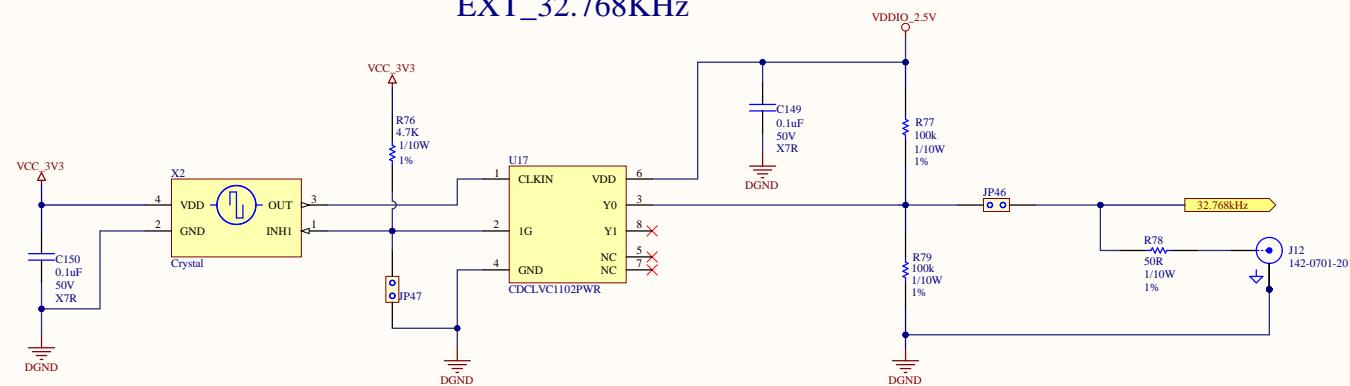
Size:	Tabloid	Number:	1	Revision:	0
Sheet Name:	SMA DAC_SUPPLY_SchDrc				
Date:	28-Jul-22	Time:	4:43:46 PM	Sheet:	12 of 19
Drafter:	Pratik R P	Client:	Mr. Youv		



EXT_25MHz



EXT_32.768KHz



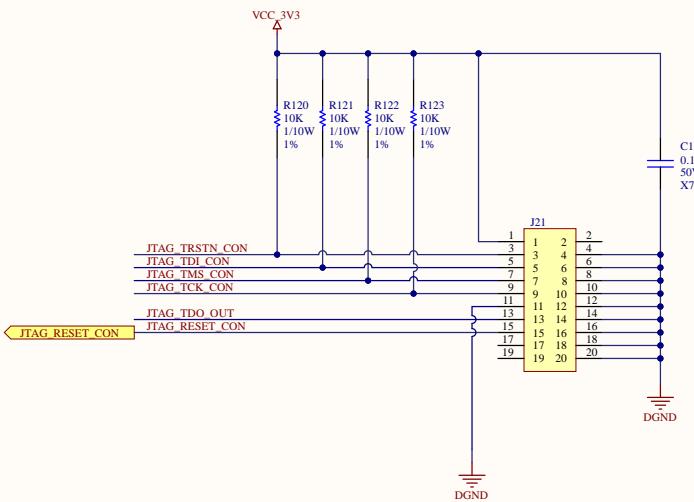
It will go to scew dll using Coaxial Cable. WP_GPIO_2

Title: **LEO_I_V2**

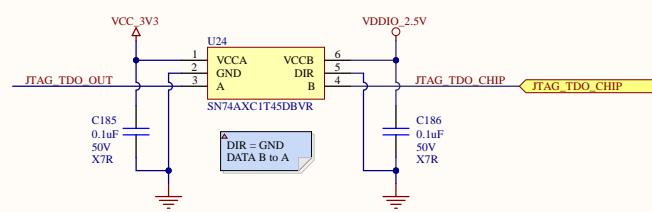
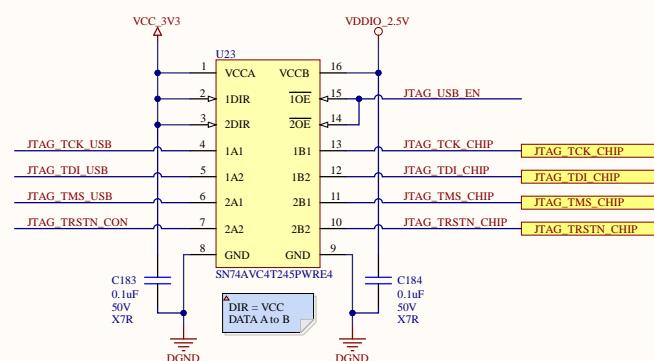
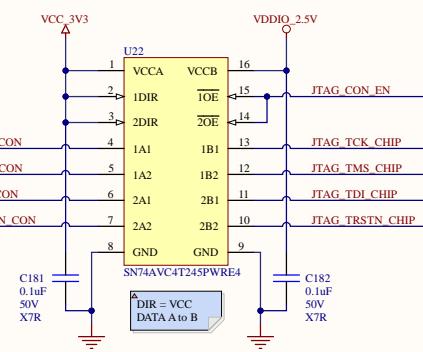
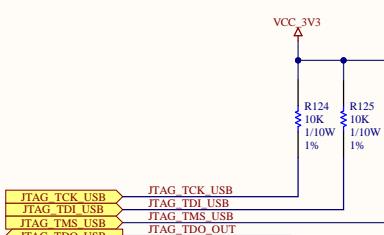
Size: Tabloid	Number: 1	Revision: 0
Sheet Name: EXT_CLOCK_SchDoc		
Date: 28-Jul-22	Time: 4:43:46 PM	Sheet: 13 of 19
Drafter: Pratik R P	Client: Mr. Youv	



JTAG CONNECTOR



JTAG USB



JUMPER OPEN:
JTAG_USB_EN Pulled Up and
JTAG_CON_EN Grounded
MODE: CONNECTOR JTAG

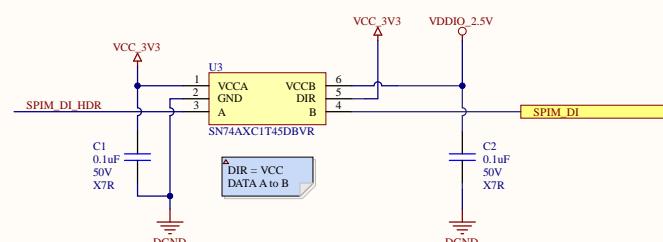
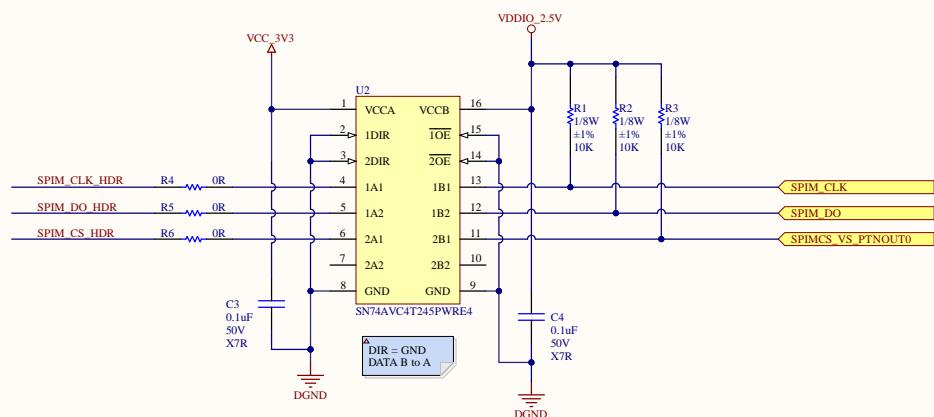
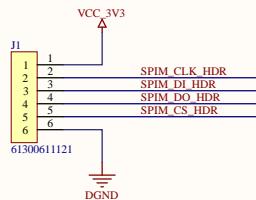
JUMPER CLOSE:
JTAG_USB_EN Grounded and
JTAG_CON_EN Pulled Up
MODE: USB JTAG

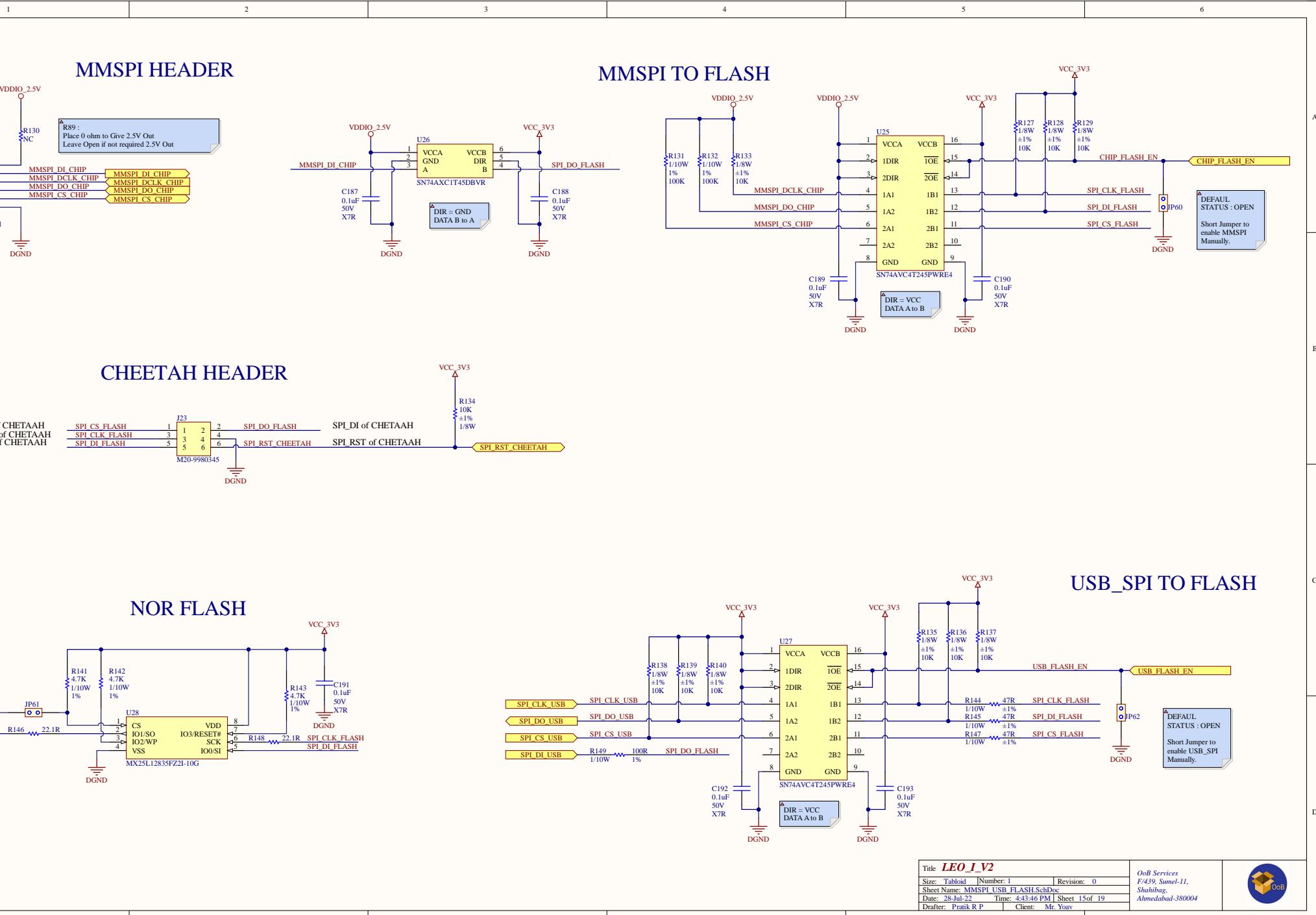
Title: **LEO_I_V2**

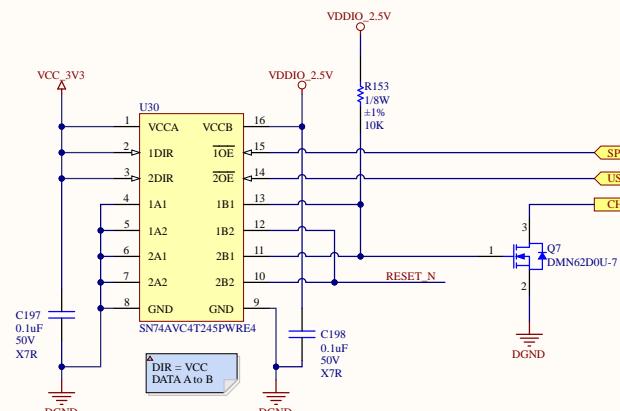
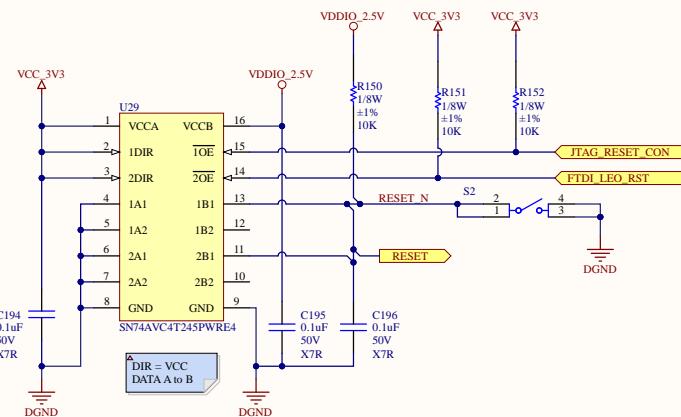
Size: Tabloid | Number: 1 | Revision: 0
Sheet Name: JTAG.SchDoc
Date: 28-Jul-22 | Time: 4:43:46 PM | Sheet: 14 of 19
Drafter: Pratik R P | Client: Mr. Youv



SPI_HEADER



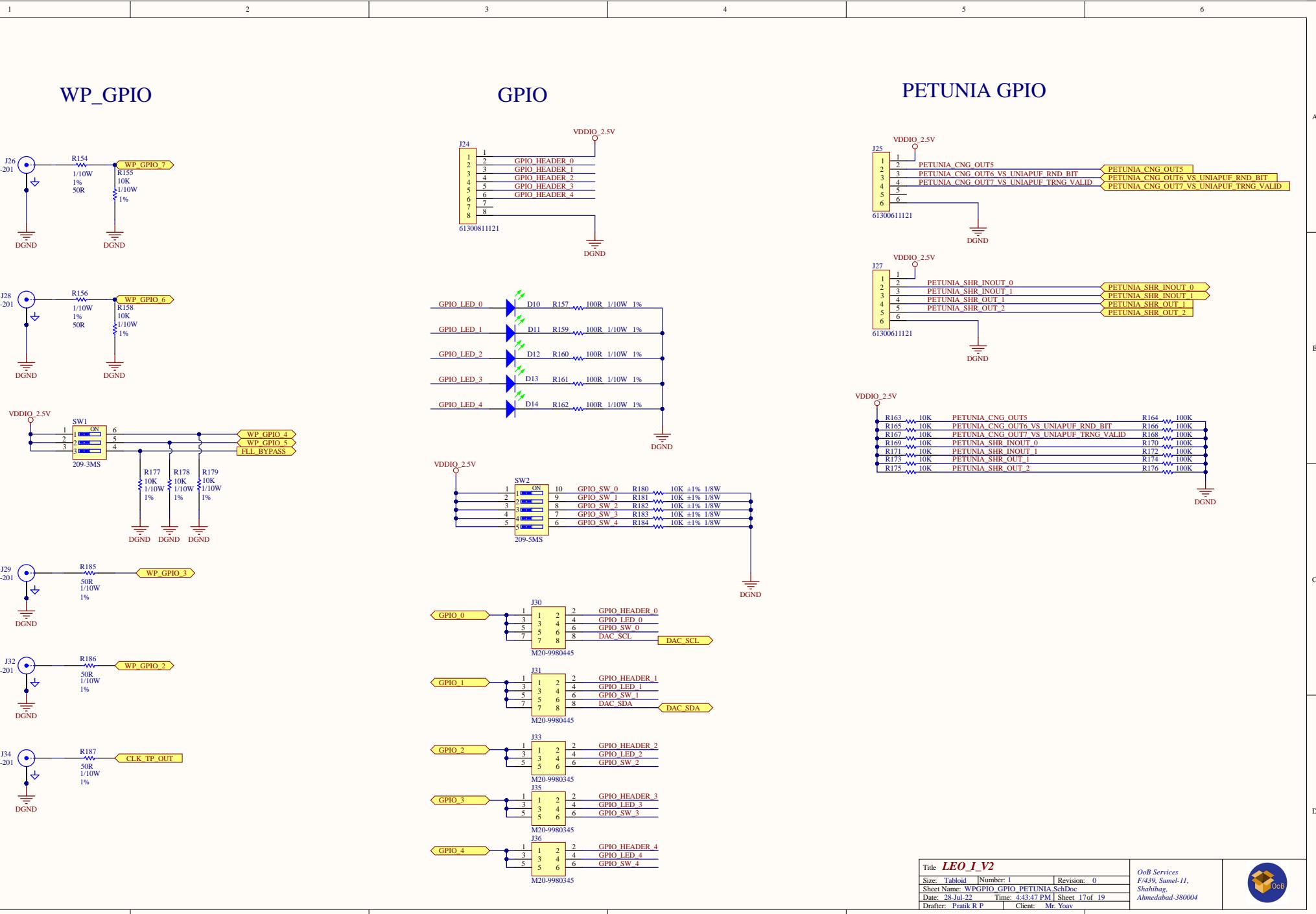


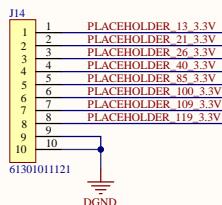


- SPI_RST_CHEETAH is Pulled up and using for CHEETAH HEADER Flash programming.
- USB_FLASH_EN is Pulled up and using for USB SPI Flash programming.
- CHIP_FLASH_EN is Pulled up and using for CHIP reading Flash.

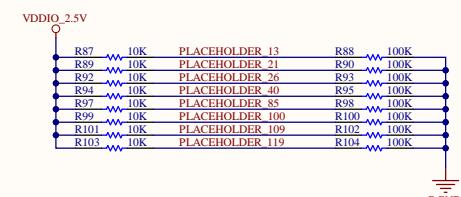
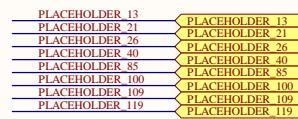
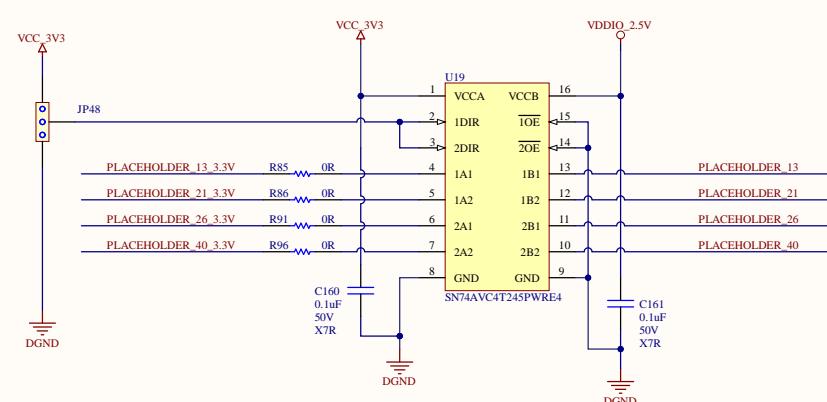
When SPI_RST_CHEETAH Is pulled Low, CHIP will be RESET and CHIP_FLASH_EN will be pulled up. So, CHIP will not access Flash. CHEETAH will Upload data in Flash.
When USB_FLASH_EN is pulled low, CHIP will be RESET and CHIP_FLASH_EN will be pulled up. So, CHIP will not access Flash, USB_SPI will upload data in Flash.
CHIP_FLASH_EN is always in pulldown by MOSFET so CHIP can always access FLASH except in above described conditions.







JUMPER:
VCC FOR INPUT
GND FOR OUTPUT



A

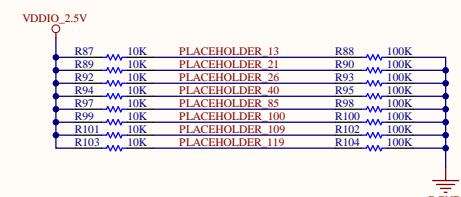
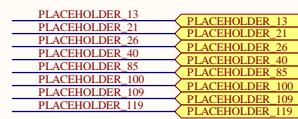
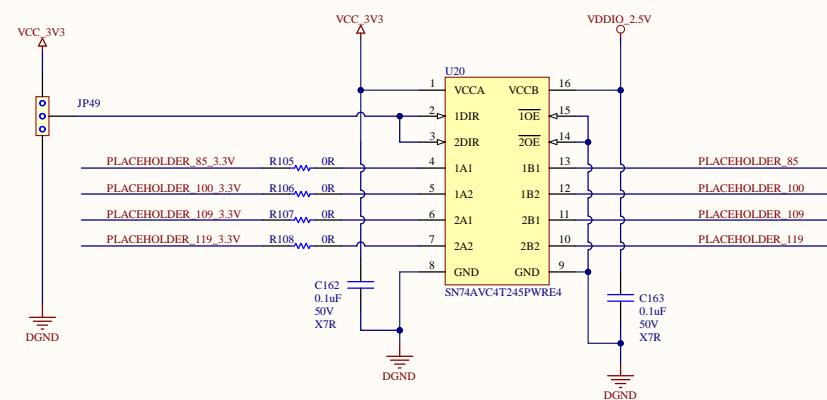
A

B

C

D

JUMPER:
VCC FOR INPUT
GND FOR OUTPUT



B

C

D

Title: **LEO_I_V2**

Size: Tabloid Number: 1 Revision: 0
 Sheet Name: PLACEHOLDER_SchDoc
 Date: 28-Jul-22 Time: 4:43:47 PM Sheet 18 of 19
 Drafter: Pratik R P Client: Mr. Youv

