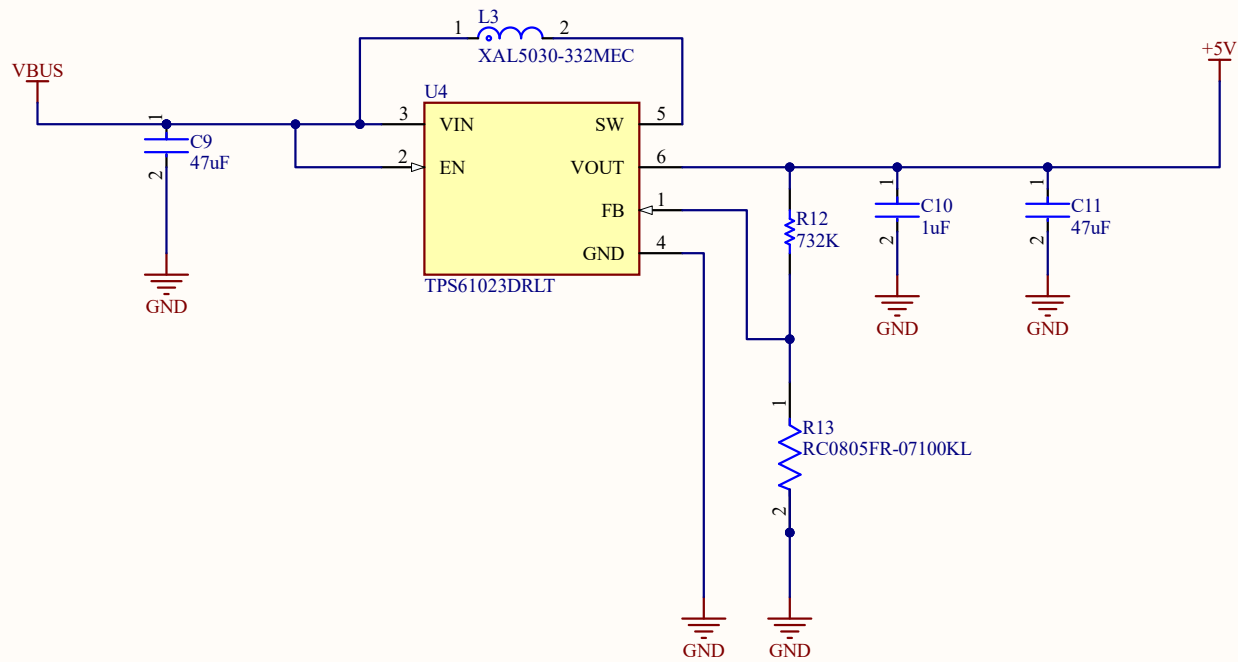
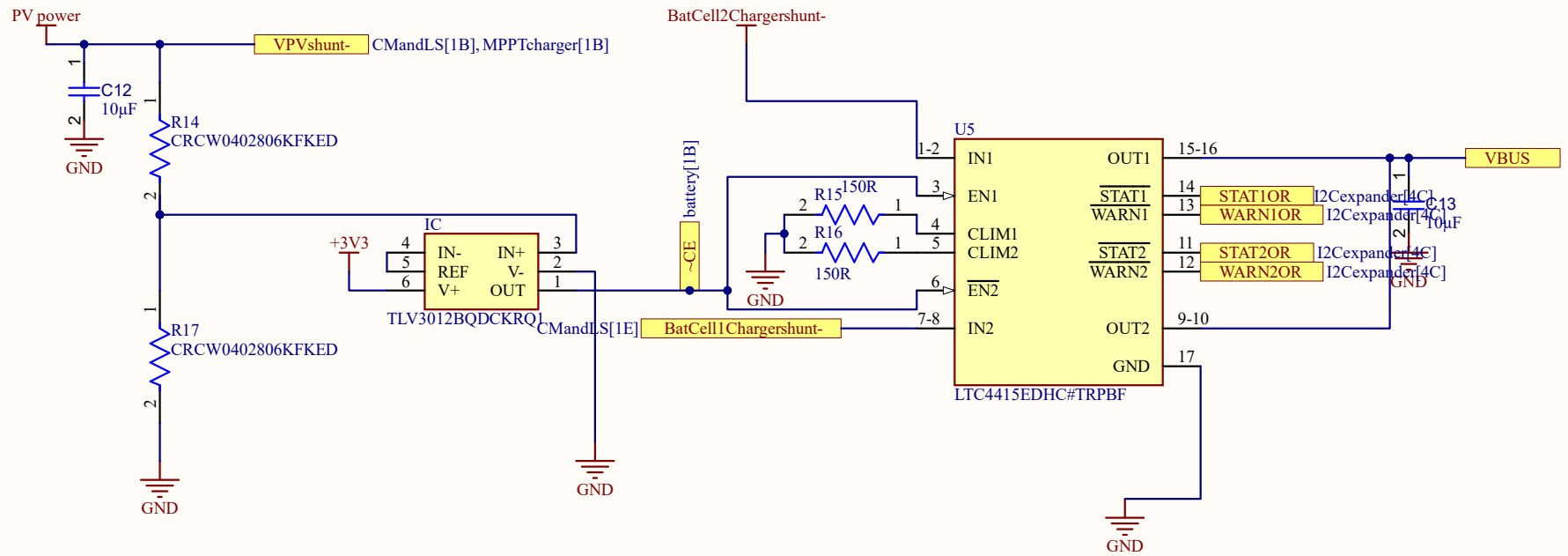


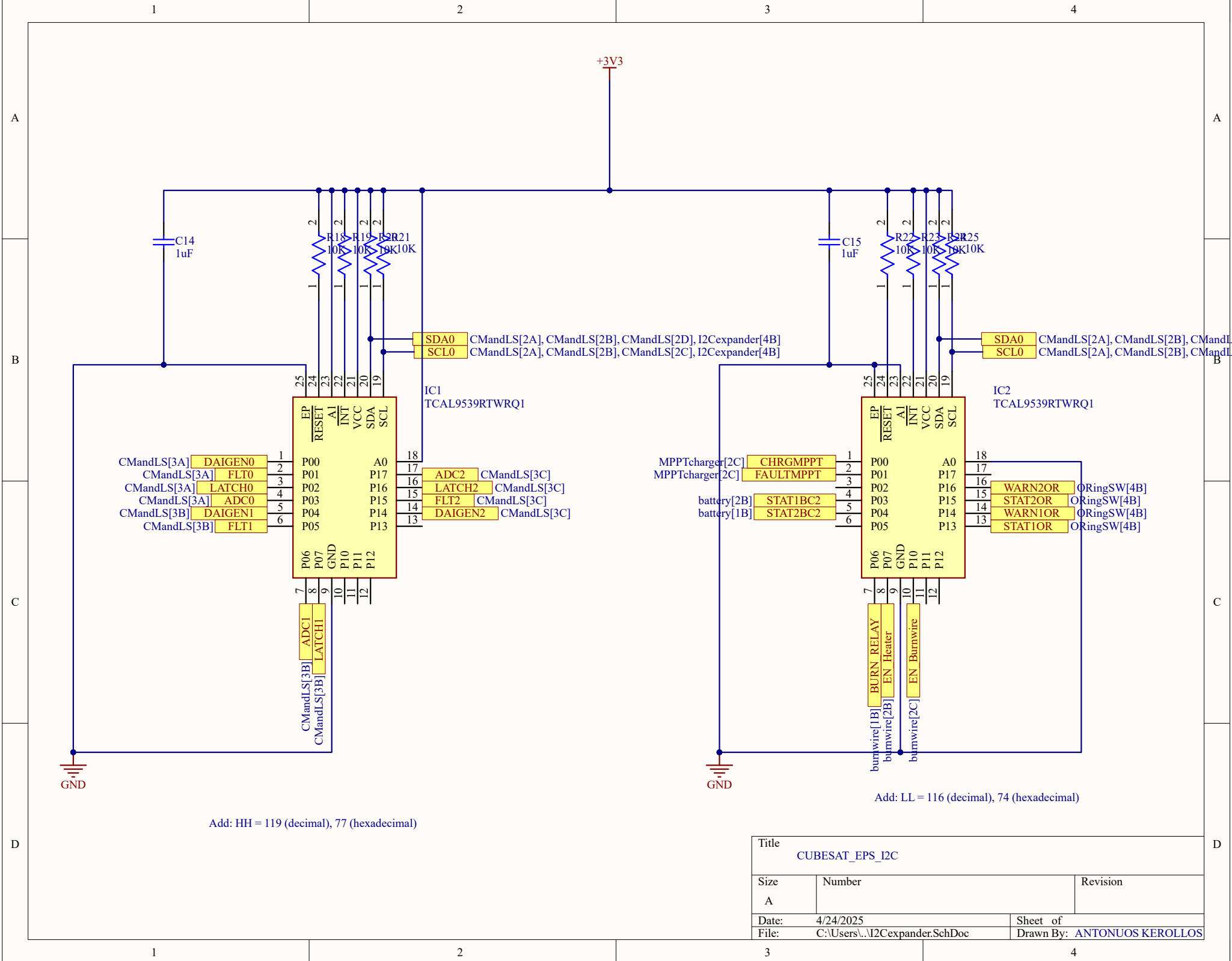
Title CUBESAT_EPS_REG3V3		
Size A	Number	Revision
Date: 4/24/2025	Sheet of	
File: C:\Users\...\REG3V3.SchDoc	Drawn By: ANTONUOS KEROLLOS	



Title		
CUBESAT_EPS_REG5V		
Size	Number	Revision
A		
Date:	4/24/2025	Sheet of
File:	C:\Users\...\REG5V.SchDoc	Drawn By: ANTONUOS KEROLLOS



Title		
CUBESAT_EPS_POWER_SELECT_SWITCH		
Size	Number	Revision
A		
Date:	4/24/2025	Sheet of
File:	C:\Users\...\ORingSW.SchDoc	Drawn By: ANTONUOS KEROLLOS



Add: HH = 119 (decimal), 77 (hexadecimal)

Add: LL = 116 (decimal), 74 (hexadecimal)

Title		
CUBESAT_EPS_I2C		
Size	Number	Revision
A		
Date:	4/24/2025	Sheet of
File:	C:\Users\...\I2Cexpander.SchDoc	Drawn By: ANTONUOS KEROLLOS

A

B

C

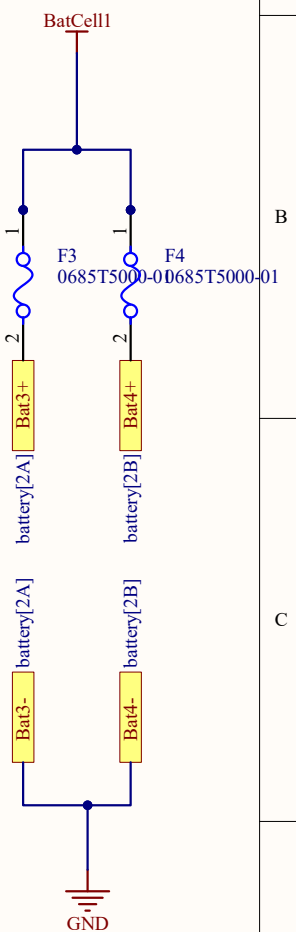
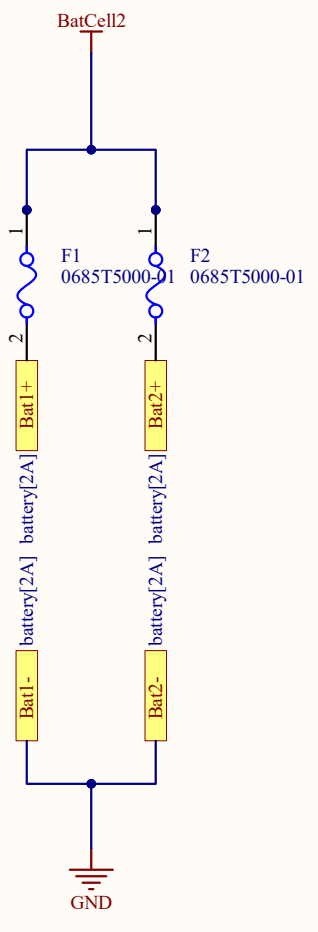
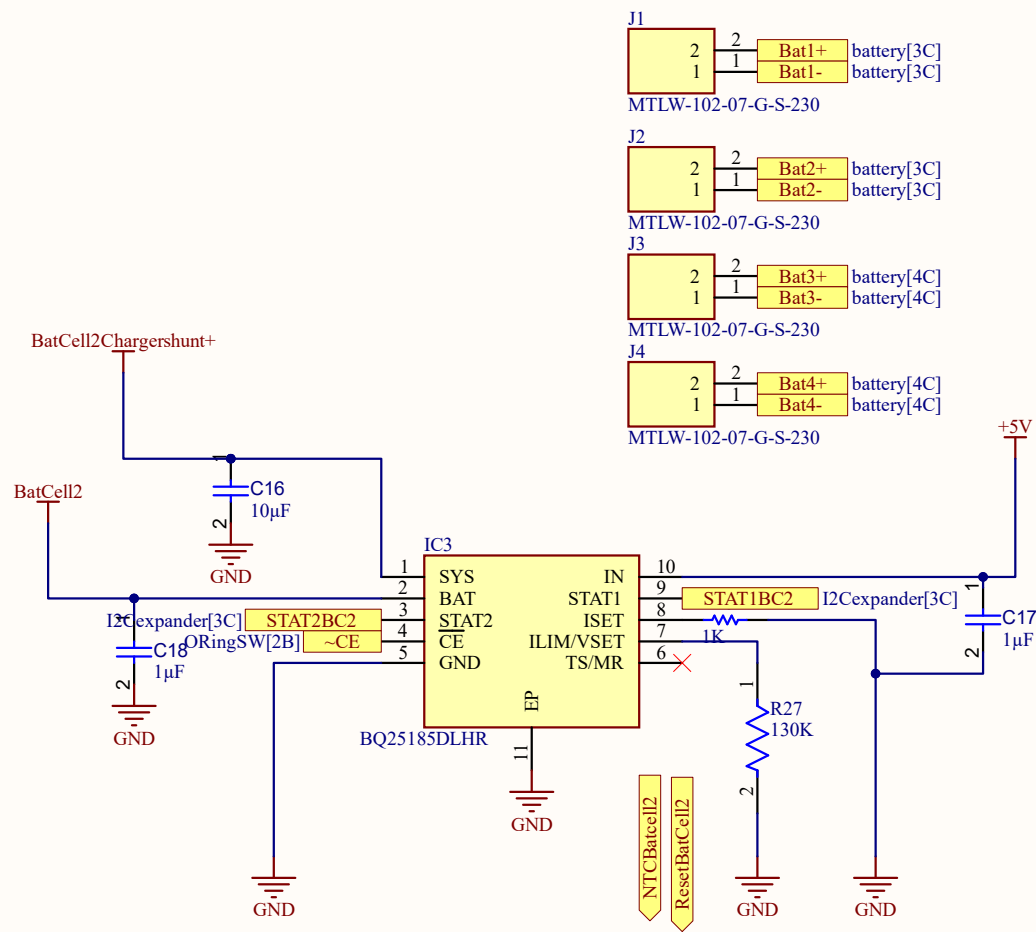
D

A

B

C

D



Title		
CUBESAT_EPS_BATTERIES		
Size	Number	Revision
A		
Date:	4/24/2025	Sheet of
File:	C:\Users\...\battery.SchDoc	Drawn By: ANTONUOS KEROLLOS

Min	3.38 A
Typ	4.00 A
Max	4.94 A

Max Load Current for Application	RILIM	KCL	Minimum Current Limit (at $V_{DD} = 3.3V$)	Short Circuit Regulation (at $V_{DD} = 3.3V$)
1.5 A	47.5 kΩ	92.4 A × kΩ	1.53 A (1.94 A - 21%)	2.5 A +11%
3 A	25 kΩ	90 A × kΩ	3.06 A (3.6 A - 15%)	4.0 A +13%
6 A	11.3 kΩ	88.2 A × kΩ	6.03 A (7.8 A - 23%)	10.0 A +11%

A

B

C

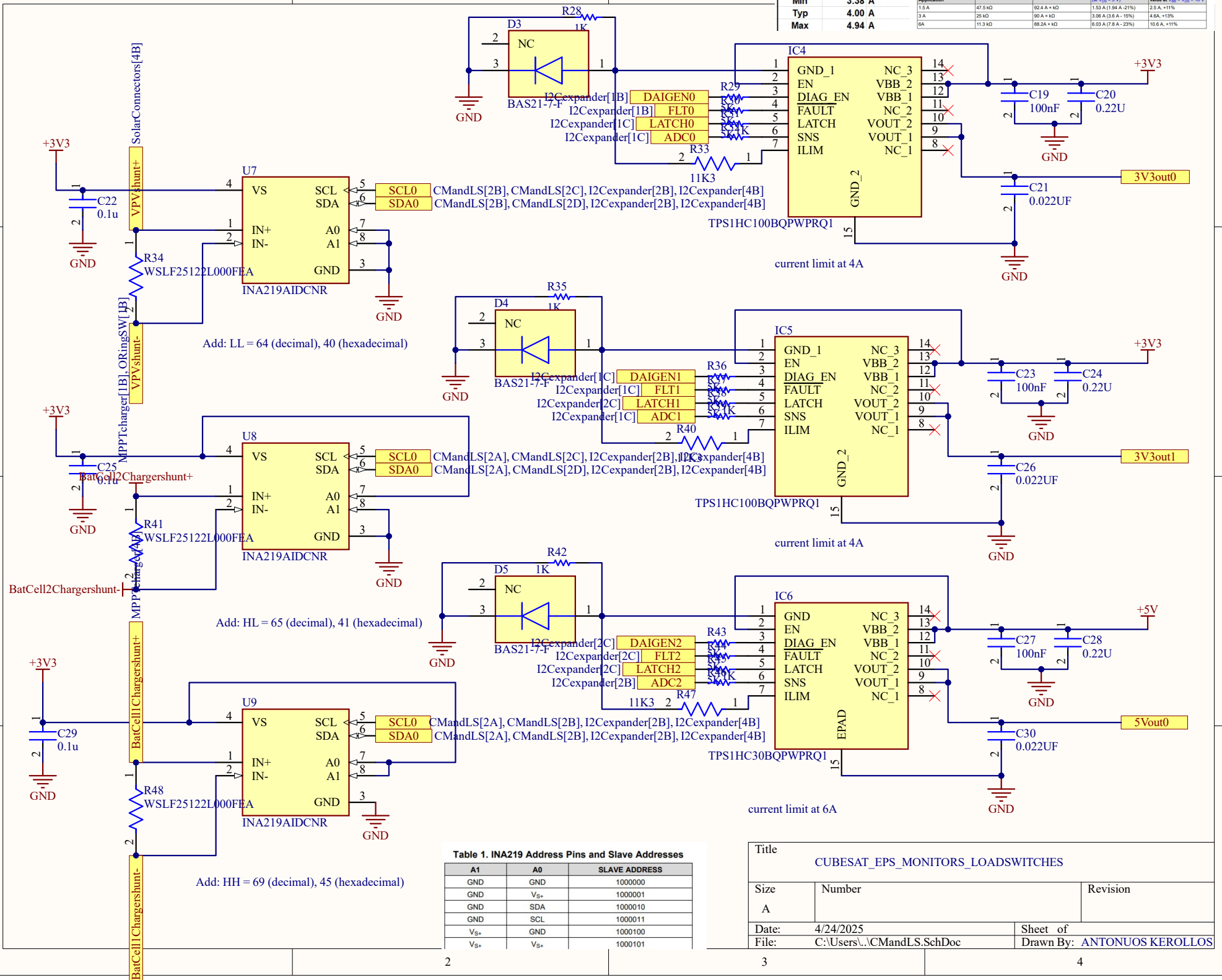
D

A

B

C

D



Title CUBESAT_EPS_CONNECTORS		
Size A	Number	Revision
Date: 4/24/2025	File: C:\Users\...\connectors.SchDoc	Sheet of Drawn By: ANTONUOS KEROLLOS