

1	2	3	4	5	6
REVISION	DESCRIPTION			DATE	
1.1	New stackup 8 layers				12/18/2021

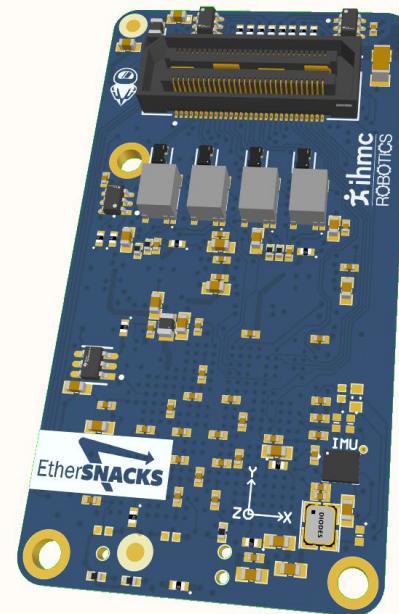
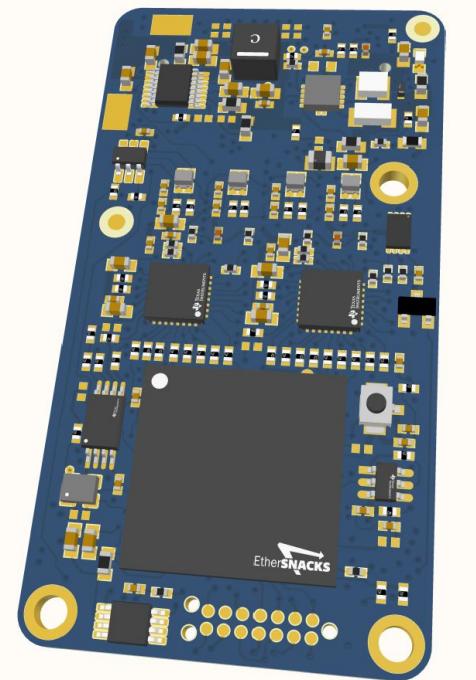
Nadia

F28388D_ECAT_Node

REV1.1

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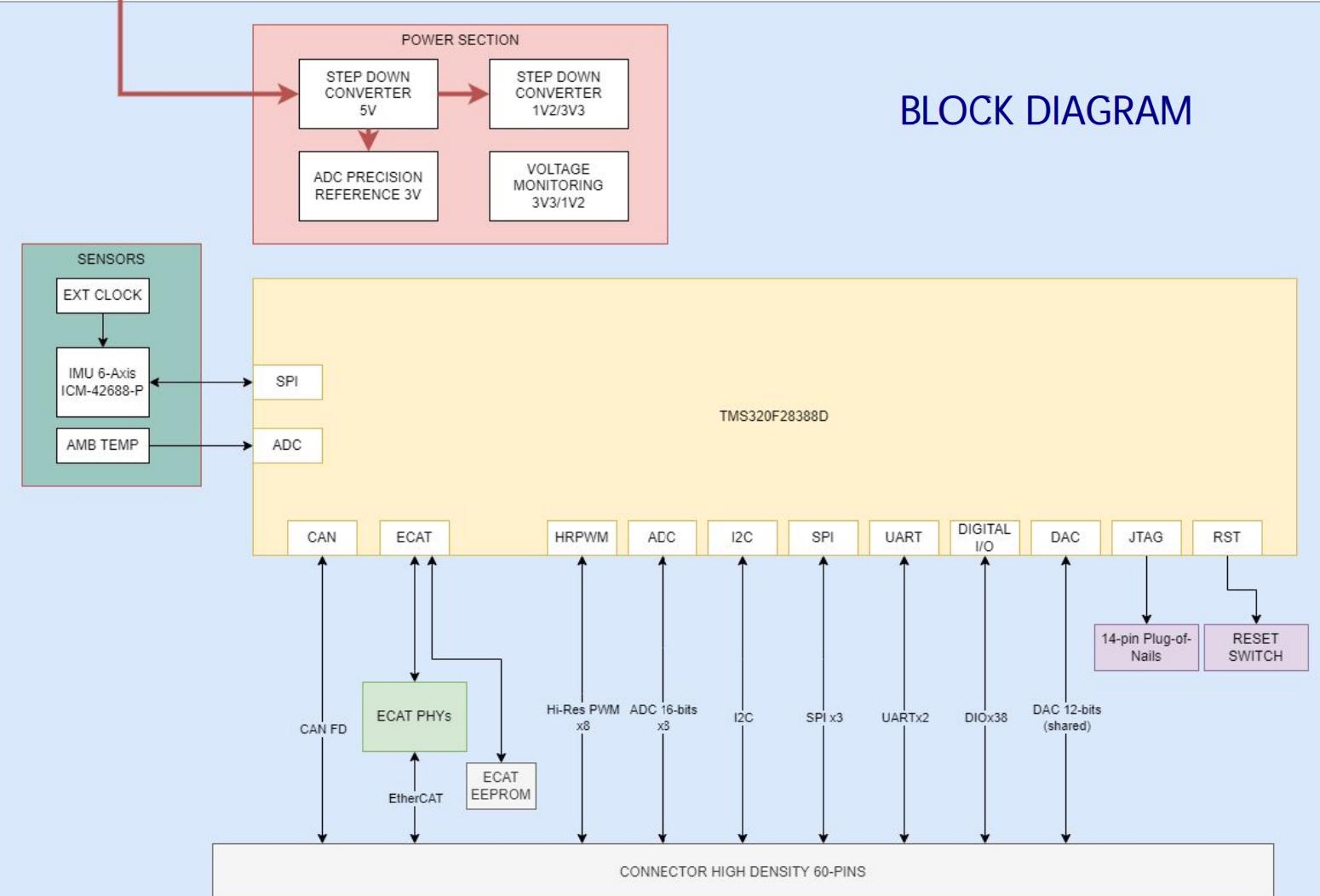
-
- 1 COVER PAGE
- 2 BLOCK DIAGRAM
- 3 POWER
- 4 F2838 GPIO
- 5 F2838 JTAG CLOCK SUP
- 6 F2838 ADC
- 7 ETHERCAT
- 8 SENSORS
- 9 CONNECTORS MECH



	PROJECT: Nadia	AUTHOR: A. MASLYCZYK
	TITLE: F28388D_ECAT_Node	
	FILE NAME: [0] COVER PAGE.SchDoc	
	CUR REV: 1.1	DATE: 24/11/2021
	PCB: PCB_F2838_Node	SHEET: 1 OF 9

1	2	3	4	5	6
				REVISION	DESCRIPTION
				11	New stackup 8 layers 12/18/2021

BLOCK DIAGRAM

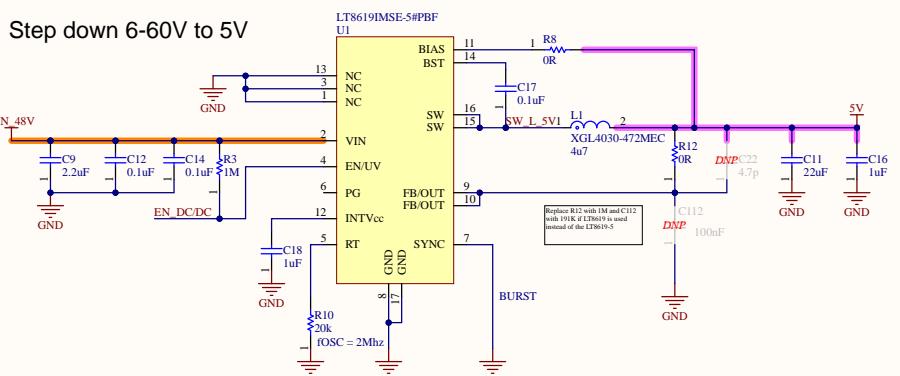


PROJECT: Nadia	AUTHOR: A. MASLYCZYK
TITLE: F28388D_ECAT_Node	
FILE NAME: [1] BLOCK DIAGRAM.SchDoc	
CUR REV: 1.1	DATE: 24/11/2021
PCB: PCB_F28388_Node	SHEET: 2 OF 9

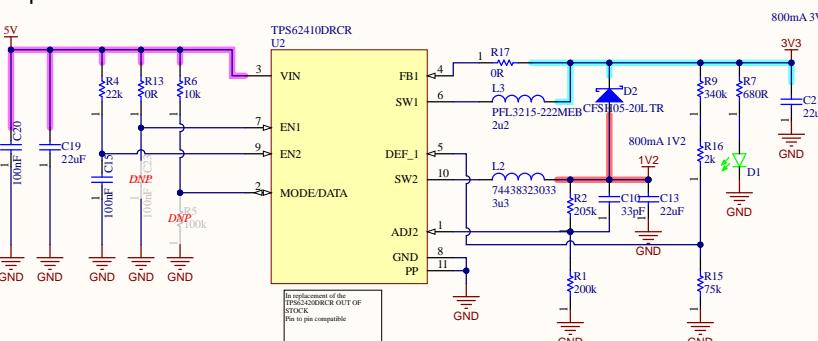


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REVISION	DESCRIPTION			DATE	
1.1	New stackup 8 layers				12/18/2021

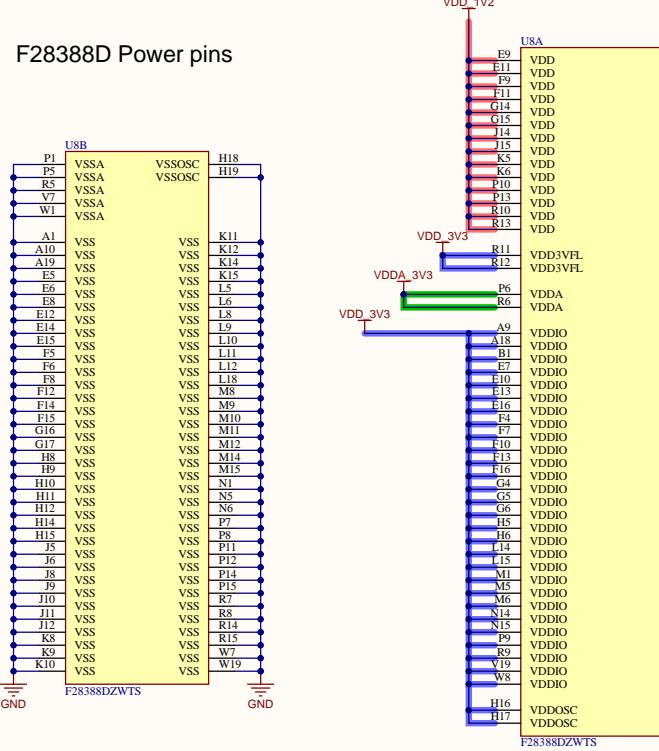
Step down 6-60V to 5V



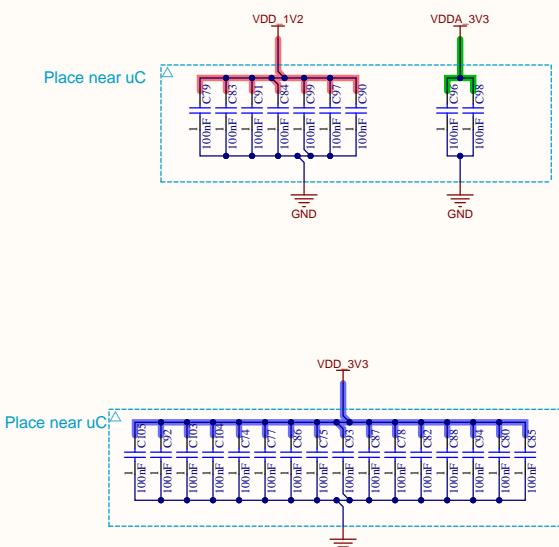
Step down 1V2 and 3V3 - 800mA



F28388D Power pins

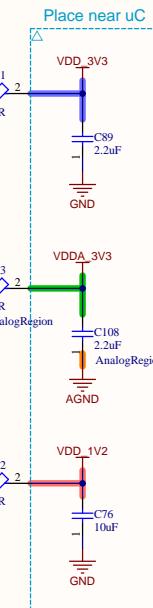


Decoupling Capacitors



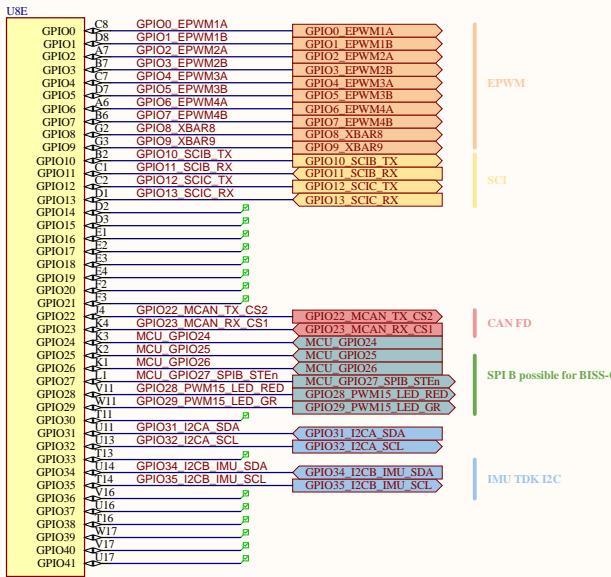
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TITLE: F28388D_ECAT_Node	
FILE NAME: [2] POWER.SchDoc	
CUR REV: 1.1	DATE: 24/11/2021
PCB: PCB_F2838_Node	SHEET: 3 OF 9

Ferrite Beads



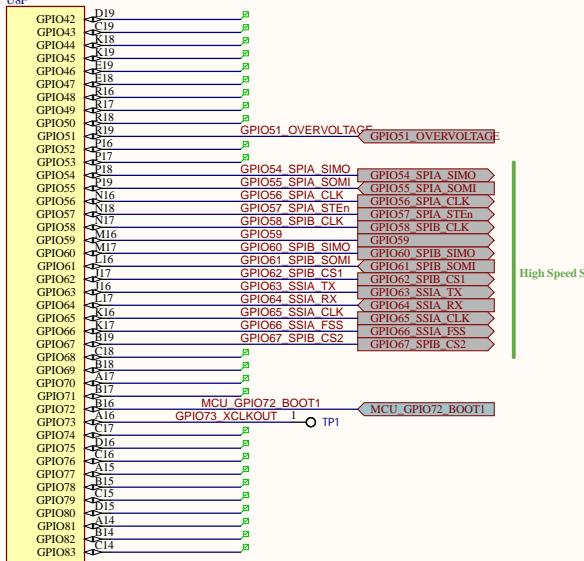
1	2	3	4	5	6	
				REVISION	DESCRIPTION	DATE
				1.1	New stackup 8 layers	12/18/2021

F28388D GPIO pins

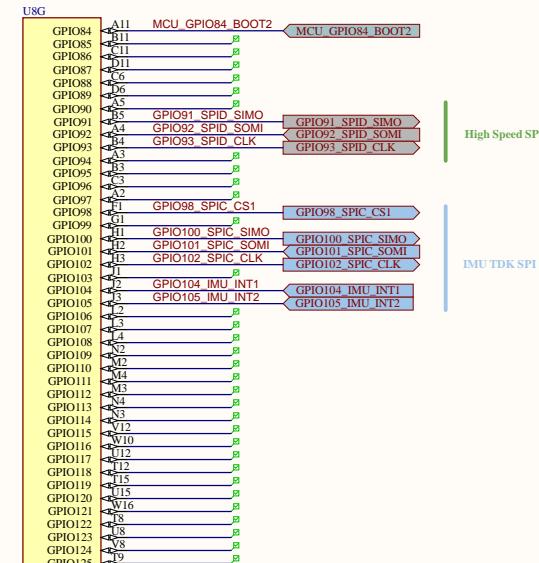


F28388DZWTs

U8F

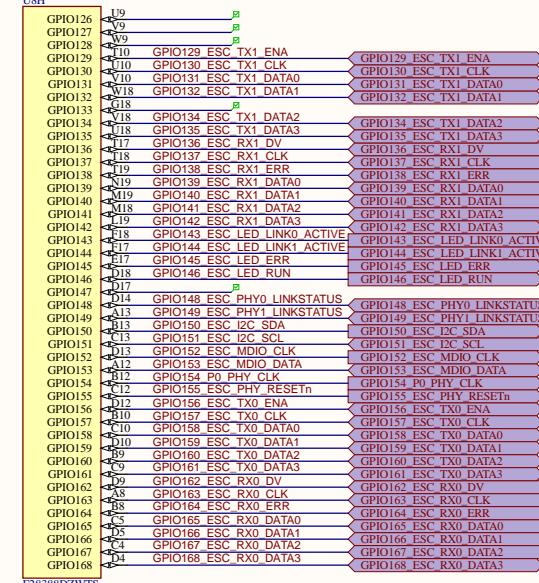


F28388DZWTs



F28388DZWTs

U8H

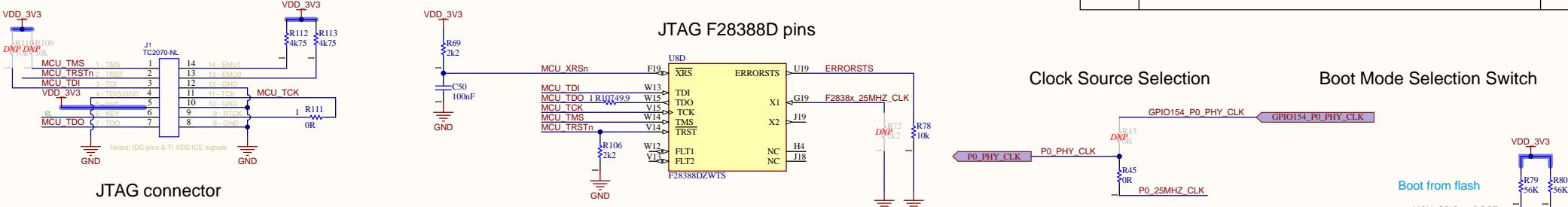


F28388DZWTs



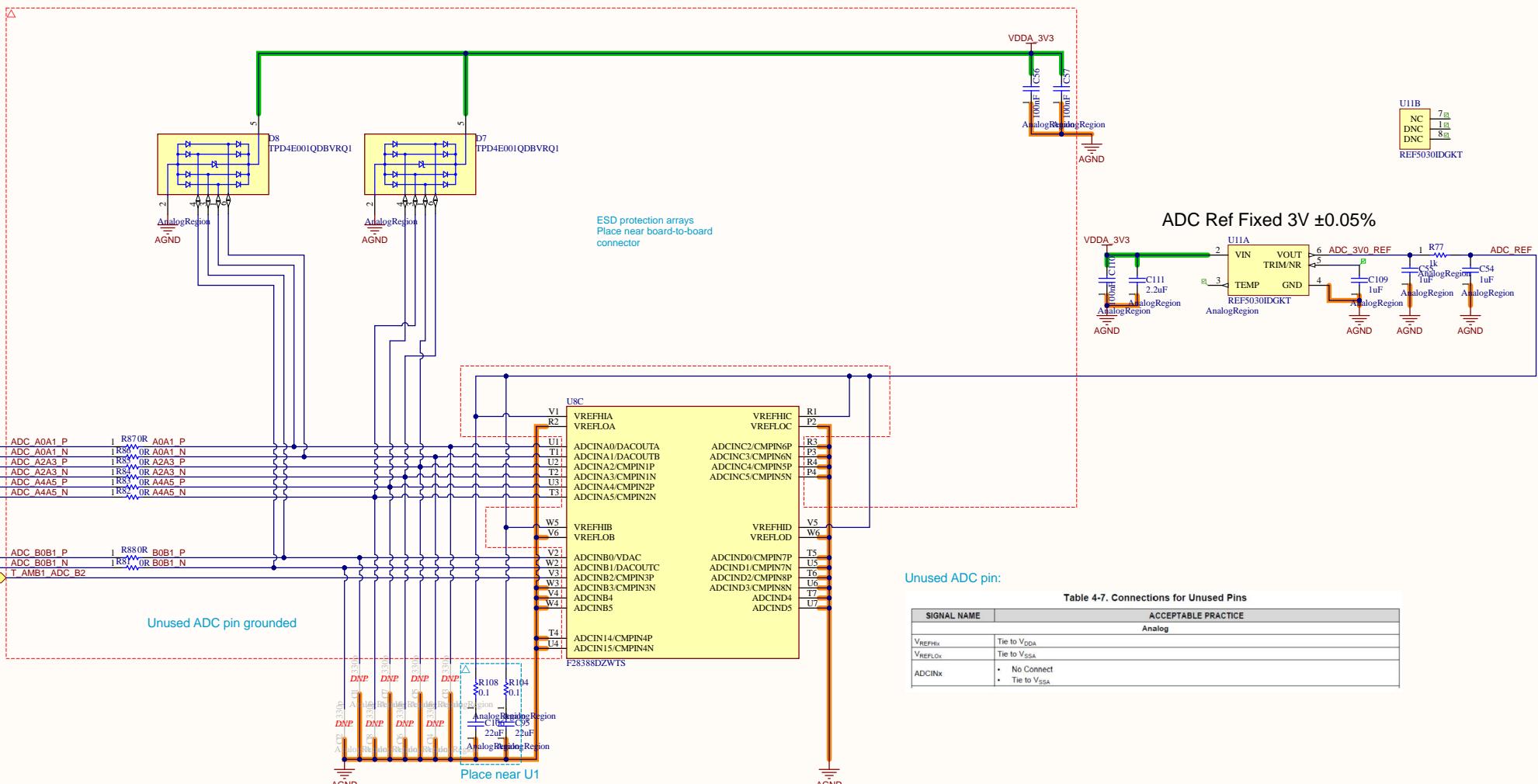
PROJECT: Nadia	AUTHOR: A. MASLYCZYK
TITLE: F28388D_ECAT_Node	
FILE NAME: [3] F2838 GPIO.SchDoc	
CUR REV: 1.1	DATE: 24/11/2021
PCB: PCB_F2838_Node	HEET: 4 OF 9

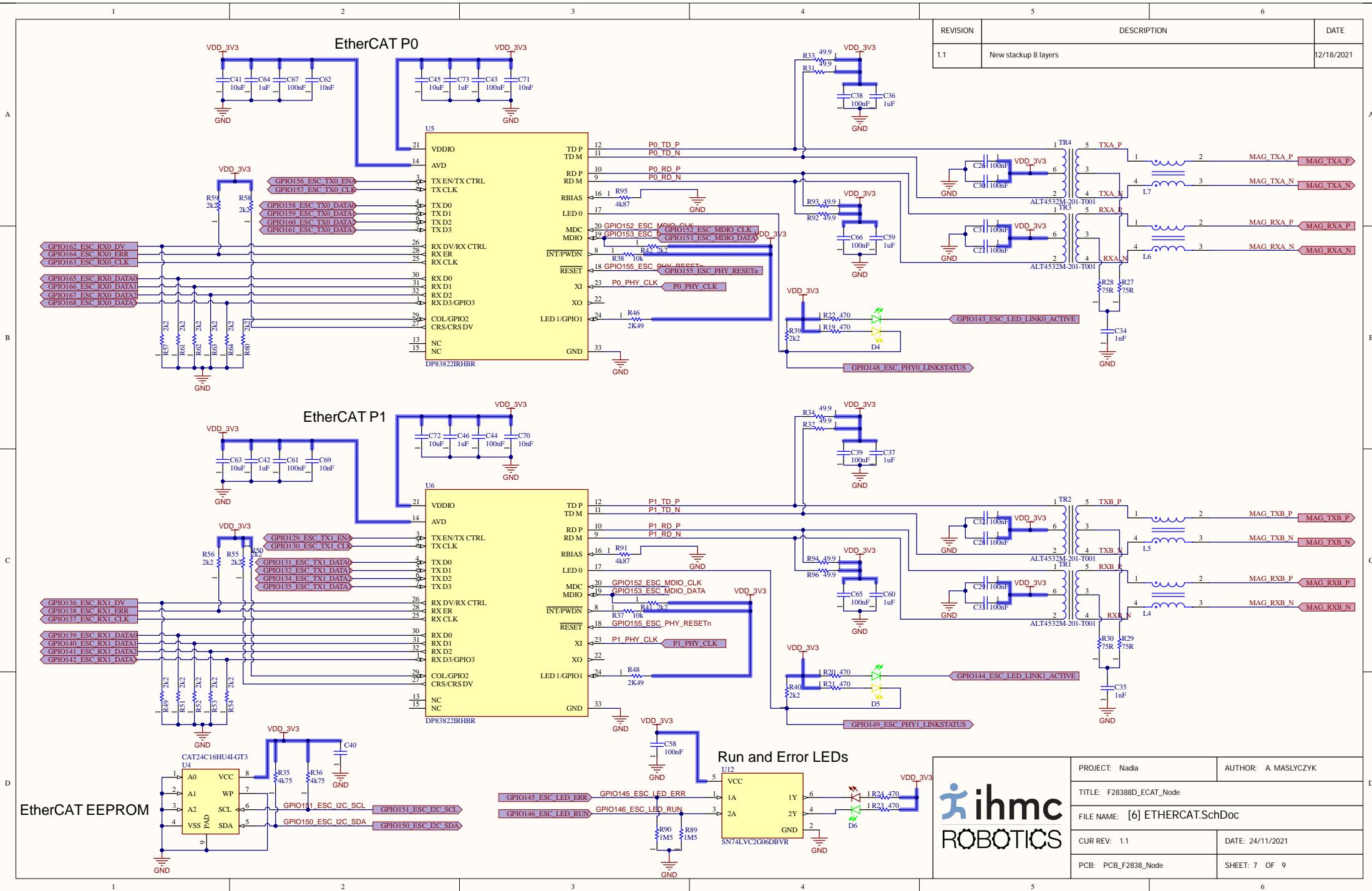
1	2	3	4	5	6
REVISION	DESCRIPTION			DATE	
1.1	New stackup 8 layers				12/18/2021



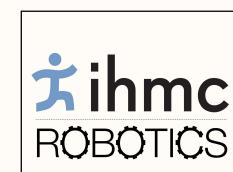
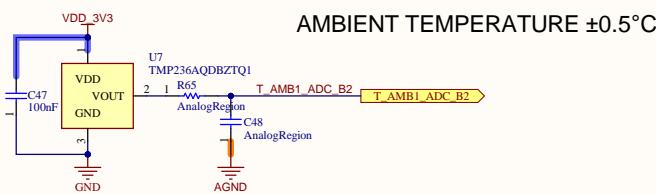
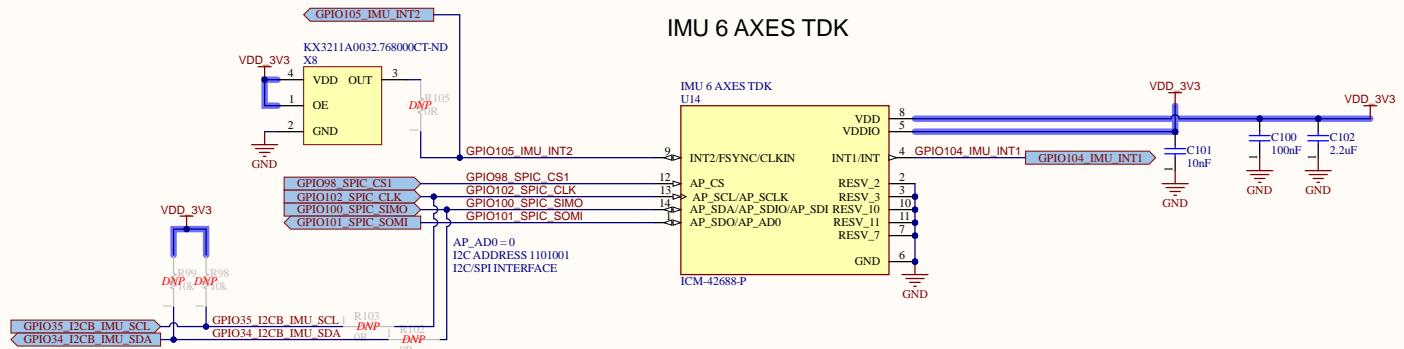
ihmc ROBOTICS	PROJECT: Nadia	AUTHOR: A. MASLYCZYK
	TITLE: F28388_ECAT_Node	
	FILE NAME: [4] F28388 JTAG CLOCK SUP.SchDoc	
	CUR REV: 1.1	DATE: 24/11/2021
	PCB: PCB_F28388_Node	SHEET: 5 OF 9

1	2	3	4	5	6
REVISION				DESCRIPTION	DATE
1.1	New stackup 8 layers			12/18/2021	





1	2	3	4	5	6
				REVISION	DESCRIPTION
				1.1	New stackup 8 layers
				DATE	
				12/18/2021	

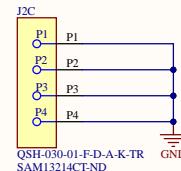
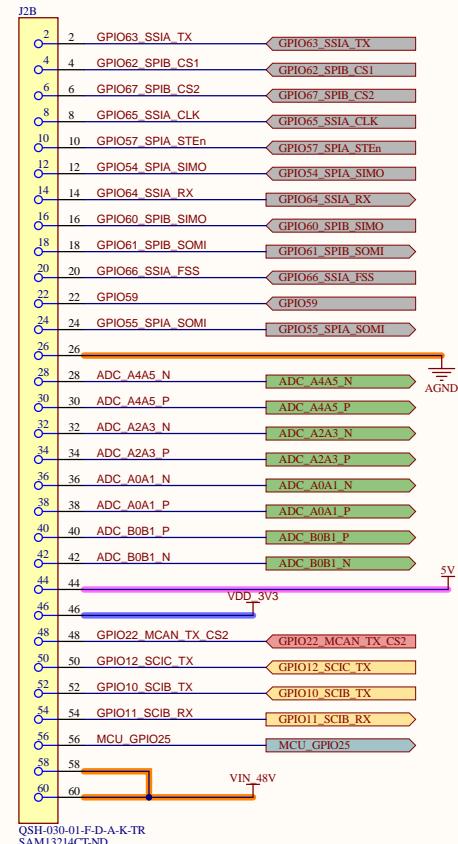
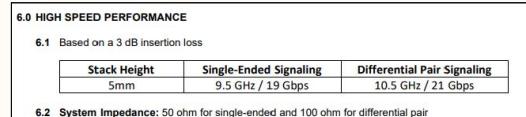
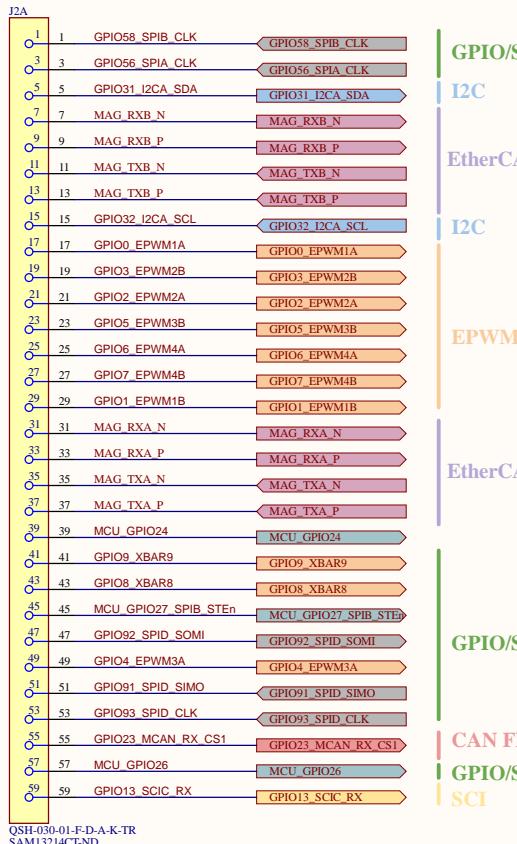


PROJECT: Nadia	AUTHOR: A. MASLYCZYK
TITLE: F2838BD_ECAT_Node	
FILE NAME: [7] SENSORS.SchDoc	
CUR REV: 1.1	DATE: 24/11/2021
PCB: PCB_F2838_Node	SHEET: 8 OF 9

1	2	3	4	5	6	
				REVISION	DESCRIPTION	DATE
				1.1	New stackup 8 layers	12/18/2021

High Speed Socket Strip 60 POS

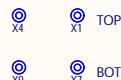
the blade and beam design of the QSH delivers 25 Gbps performance



MOUNTING HOLES



FIDUCIALS



PROJECT: Nadia	AUTHOR: A. MASLYCZYK
TITLE: F2838BD_ECAT_Node	
FILE NAME: [8] CONNECTORS MECH.SchDoc	
CUR REV: 1.1	DATE: 24/11/2021
PCB: PCB_F2838_Node	SHEET: 9 OF 9