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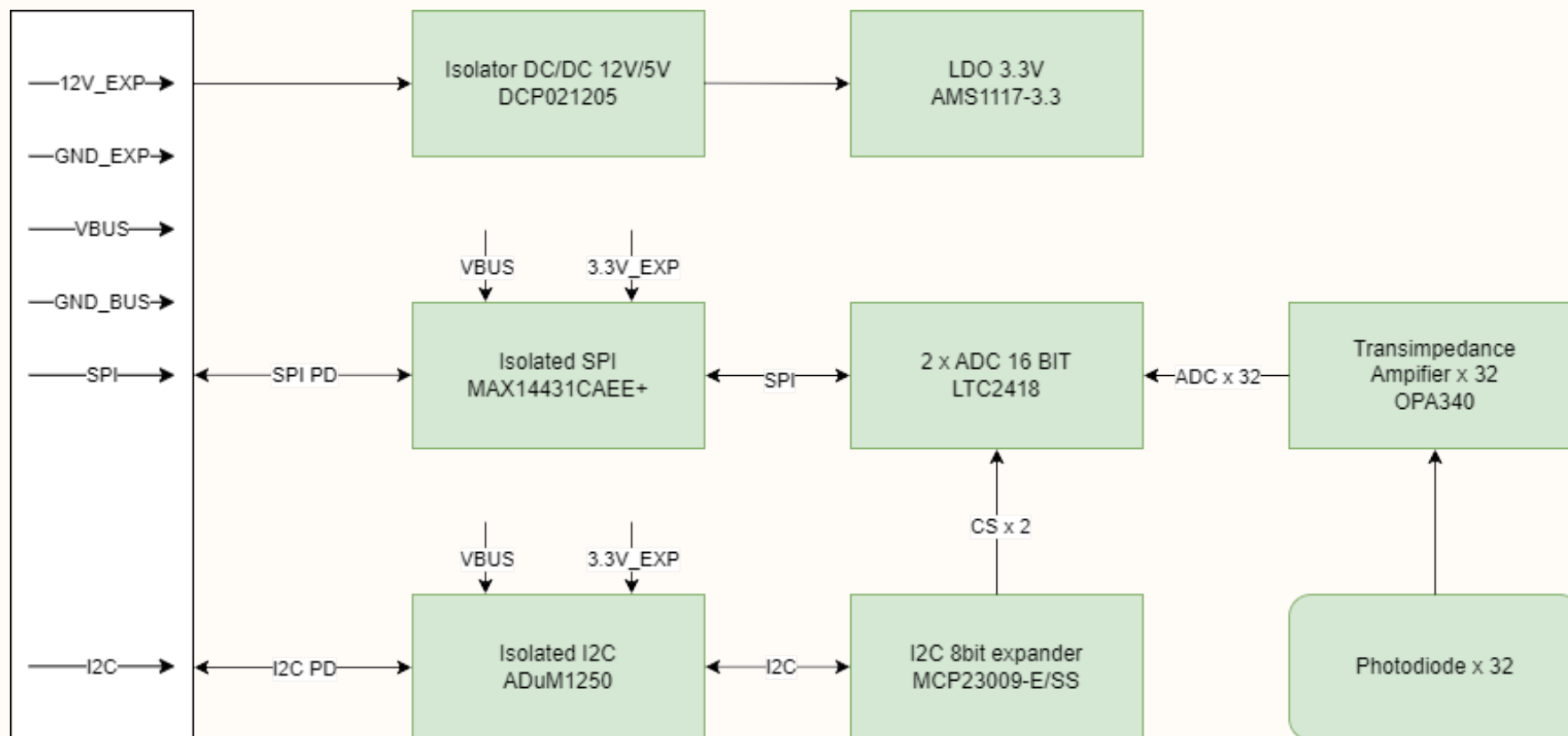
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003	POWER_ISOLATE_AND_LDO
004	COMMUNICATION
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## NANORACK PHOTODIODE

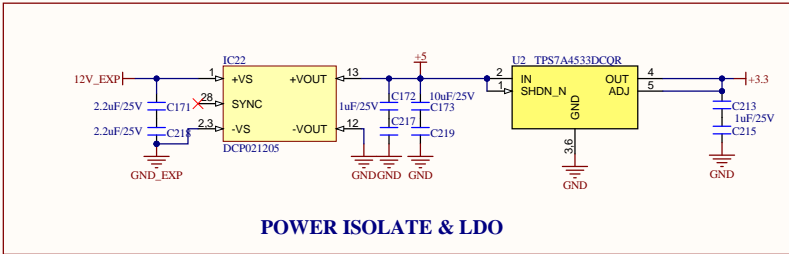
### Schematic V1.0.0



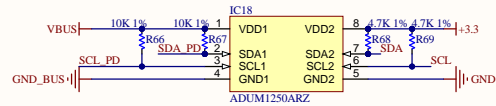
Project: <b>BEE-PC1</b>	Sub-system: <b>NANORACK_PHOTODIODE.PrjPcb</b>	
Design by: <b>Hung Nguyen D.</b>	Sheet title: <b>INDEX.SchDoc</b>	Sheet <b>1</b> of <b>5</b>
Checked by: <b>Bao Bui Q.</b>	Document No: <b>1</b>	Size: <b>A3</b>
Approved by: <b>Vu Pham</b>	Revision: <b>V1.0.0</b>	Date: <b>10/15/2024</b>



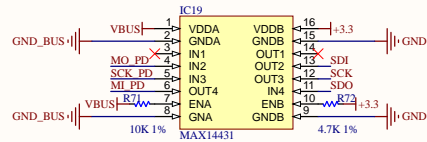
Project: <b>BEE-PC1</b>	Sub-system: <b>NANORACK_PHOTODIODE.PrjPcb</b>	
Design by: <b>Hung Nguyen D.</b>	Sheet title: <b>BLOCK_DIAGRAM.SchDoc</b>	Sheet <b>2</b> of <b>5</b>
Checked by: <b>Bao Bui Q.</b>	Document No: <b>2</b>	Size: <b>A3</b>
Approved by: <b>Vu Pham</b>	Revision: <b>V1.0.0</b>	Date: <b>10/11/2024</b>



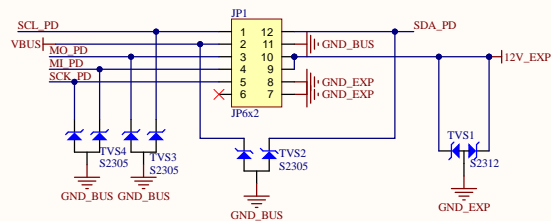
Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: POWER_ISOLATE_AND_LDO.SchDoc	Sheet 3 of 5
Checked by: Bao Bui Q.	Document No: 3	Size: A3
Approved by: Vu Pham	Revision: V1.0.0	Date: 10/11/2024



ISOLATED I2C



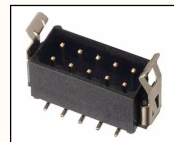
ISOLATED SPI



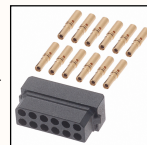
CONNECTOR

Harwin Inc. M80-8281242

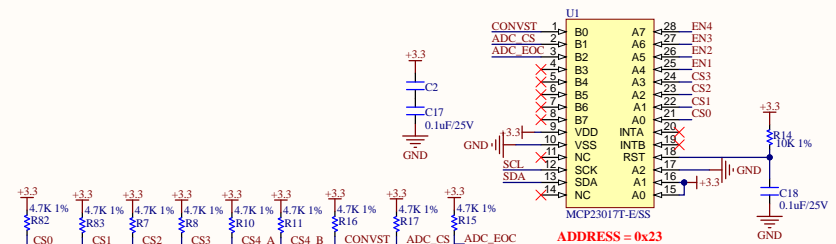
- ELECTRICAL:  
CURRENT RATING: 2.2A/CONTACT  
VOLTAGE RATING: 800V/CONTACT
- ENVIRONMENTAL:  
TEMPERATURE RANGE: -55°C TO +125°C
- PHYSICAL:  
PITCH-MATING: 0.079" (2.00mm)
- WIRE:  
WIRE SIZE: 24 AWG  
MAX CURRENT: 1A per Wire  
ISULATION MATERIAL: PTFE
- MATING:  
Harwin Inc. M80-8881205



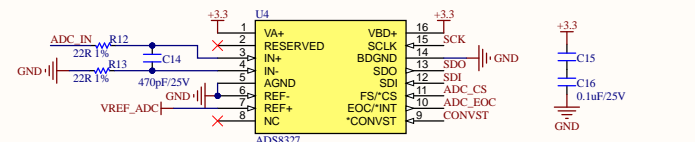
- MATING -



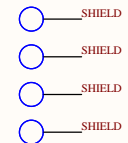
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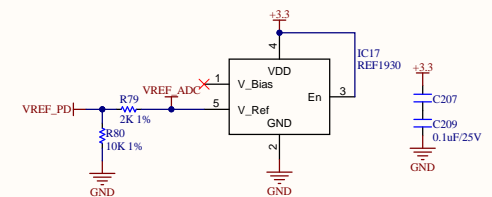
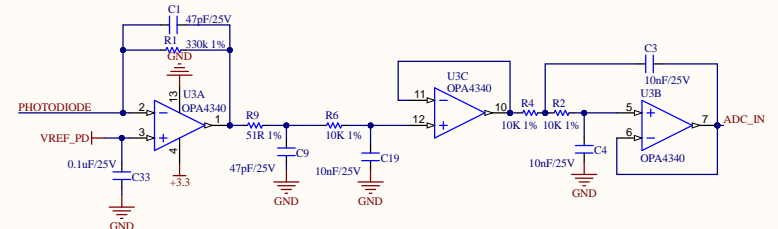
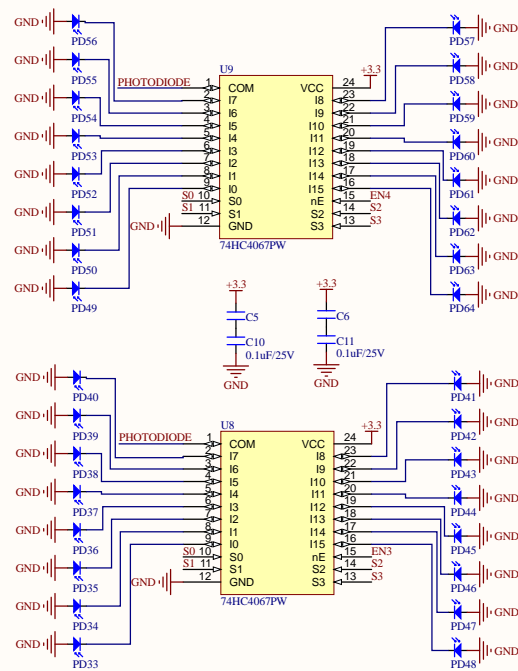
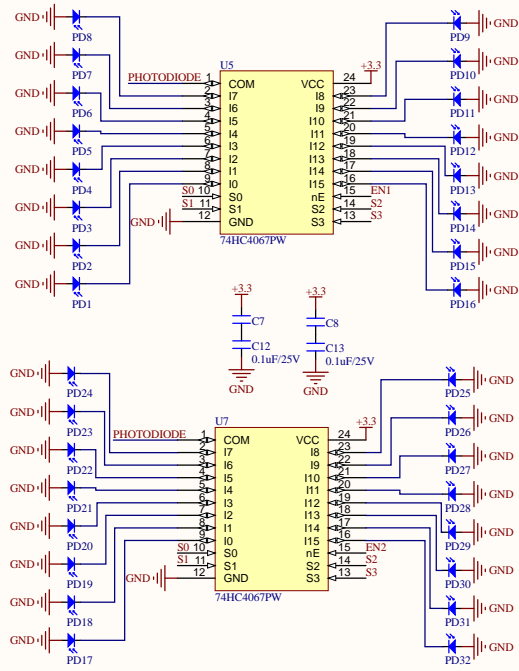
I2C EXPANDER



ADC



Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: COMMUNICATION.SchDoc	Sheet 4 of 5
Checked by: Bao Bui Q.	Document No: 4	Size: A3
Approved by: Vu Pham	Revision: V1.0.0	Date: 10/15/2024



Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: PHOTODIODE.SchDoc	Sheet 5 of 5
Checked by: Bao Bui Q.	Document No: 5	Size: A3
Approved by: Vu Pham	Revision: V1.0.0	Date: 10/15/2024