

## Table of Content

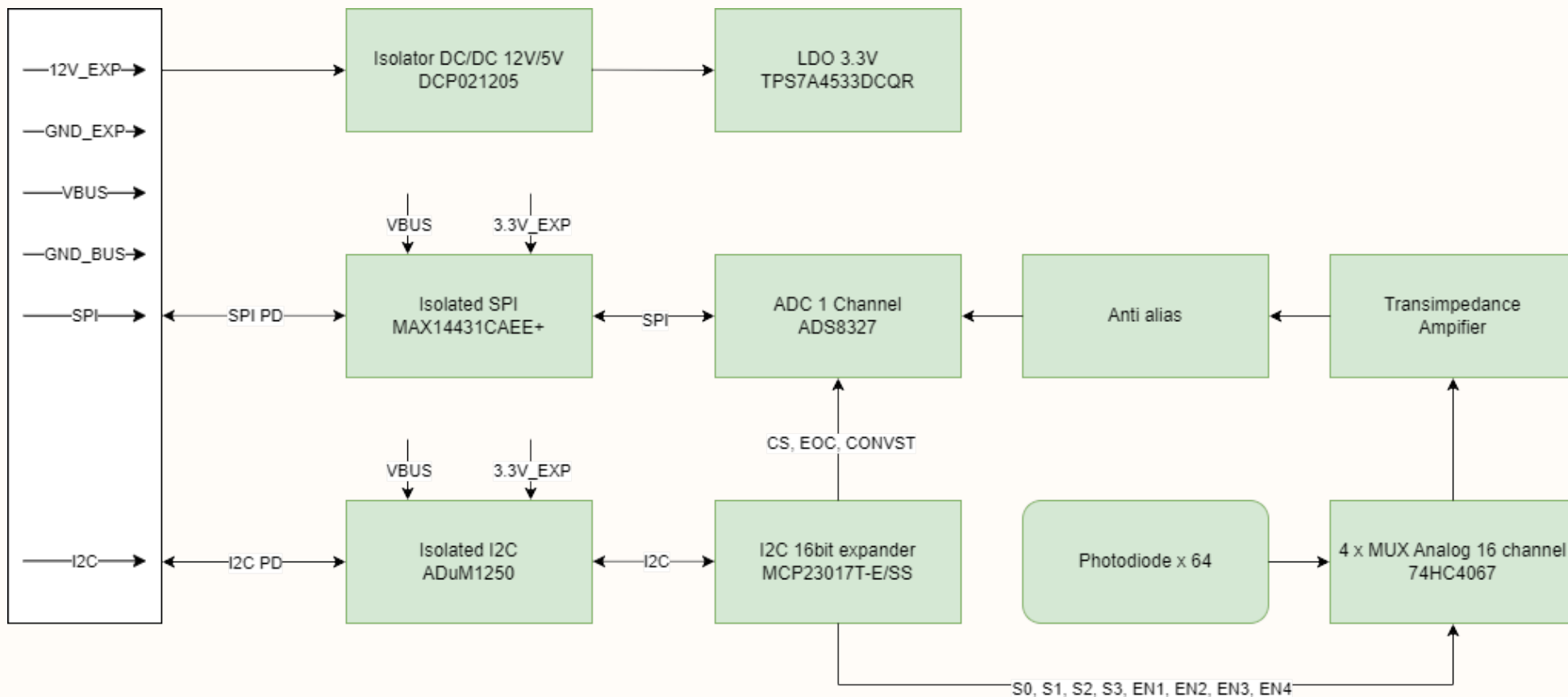
PAGE	COMPONENT/ FUNCTION
001	INDEX
002	BLOCK_DIAGRAM
003	POWER_ISOLATE_AND_LDO
004	COMMUNICATION
005	PHOTODIODE

## NANORACK PHOTODIODE

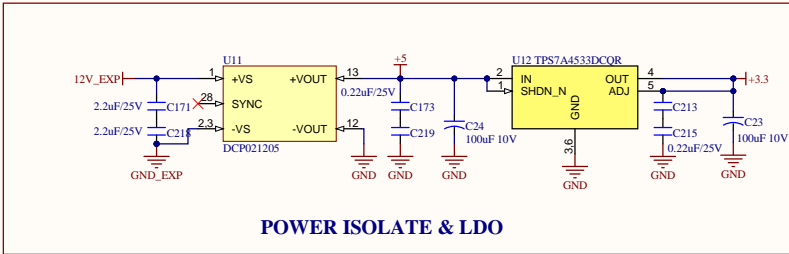
### Schematic V1.0.0



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



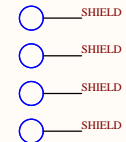
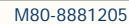
Project: <b>BEE-PC1</b>	Sub-system: <b>NANORACK_PHOTODIODE.PrjPcb</b>	
Design by: <b>Hung Nguyen D.</b>	Sheet title: <b>BLOCK_DIAGRAM.SchDoc</b>	Sheet <b>2</b> of <b>5</b>
Checked by: <b>Bao Bui Q.</b>	Document No: <b>2</b>	Size: <b>A3</b>
Approved by: <b>Vu Pham</b>	Revision: <b>V1.0.0</b>	Date: <b>10/21/2024</b>



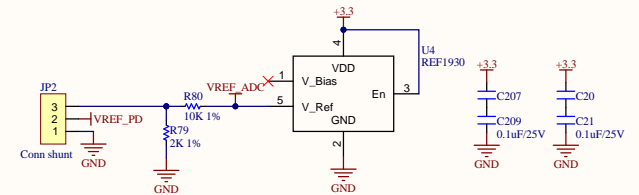
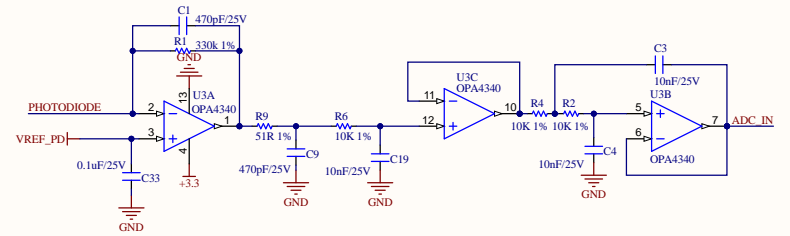
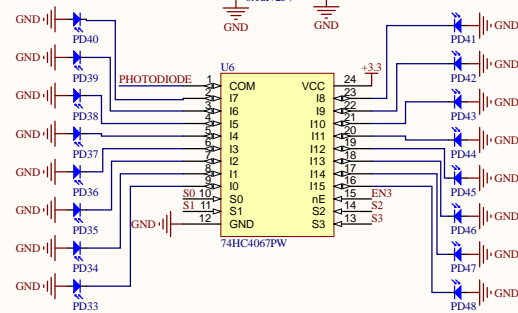
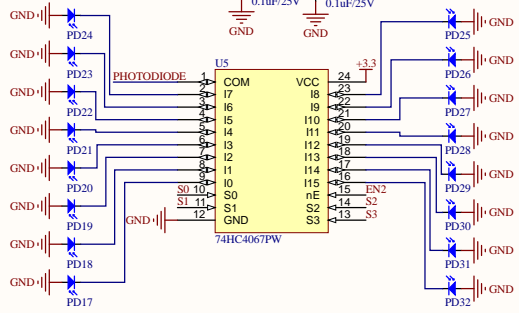
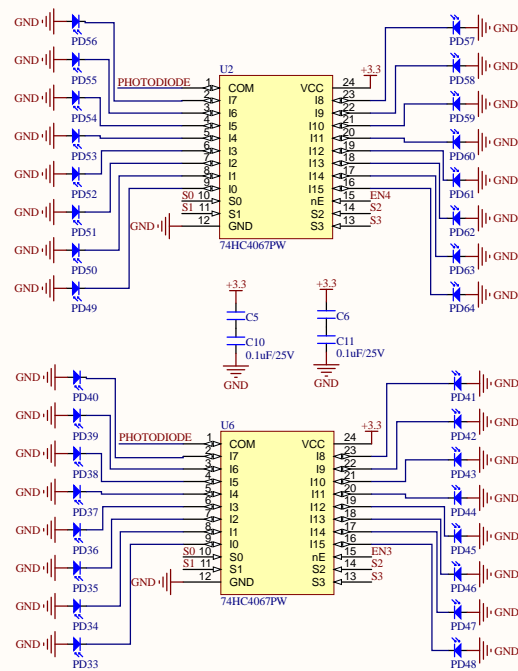
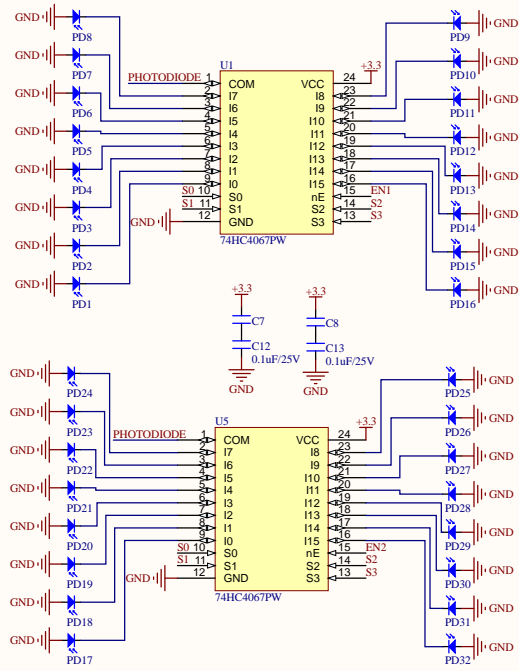
Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb
Design by: Hung Nguyen D.	Sheet title: POWER_ISOLATE_AND_LDO.SchDoc 3 of 5
Checked by: Bao Bui Q.	Document No: 3
Approved by: Vu Pham	Revision: V1.0.0
	Date: 10/22/2024



- 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



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: 10/22/2024



Project: <b>BEE-PC1</b>	Sub-system: <b>NANORACK_PHOTODIODE.PrjPcb</b>	
Design by: <b>Hung Nguyen D.</b>	Sheet title: <b>PHOTODIODE.SchDoc</b>	Sheet <b>5</b> of <b>5</b>
Checked by: <b>Bao Bui Q.</b>	Document No: <b>5</b>	Size: <b>A3</b>
Approved by: <b>Vu Pham</b>	Revision: <b>V1.0.0</b>	Date: <b>10/22/2024</b>