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NANORACK PHOTODIODE

Schematic V1.2.0



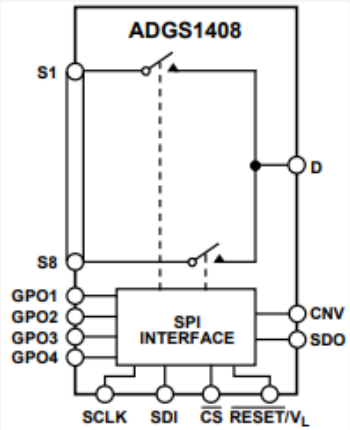
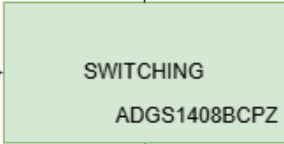
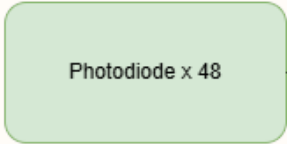
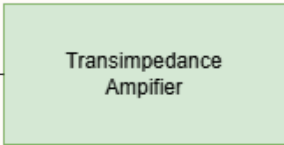
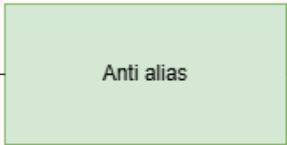
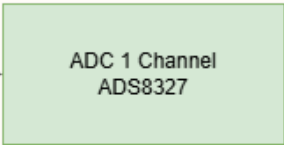
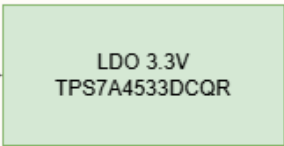
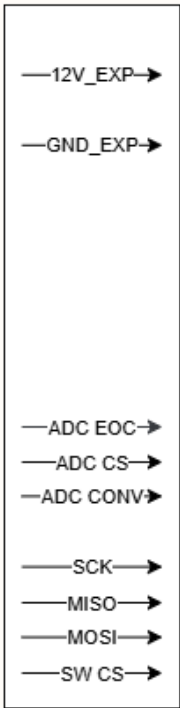
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Design by: Hung Nguyen D.	Sheet title: INDEX.SchDoc	Sheet 1 of 5
Checked by: Bao Bui Q.	Document No: 1	Size: A3
Approved by: Vu Pham	Revision: V1.2.0	Date: 1/8/2025

PHOTODIODE

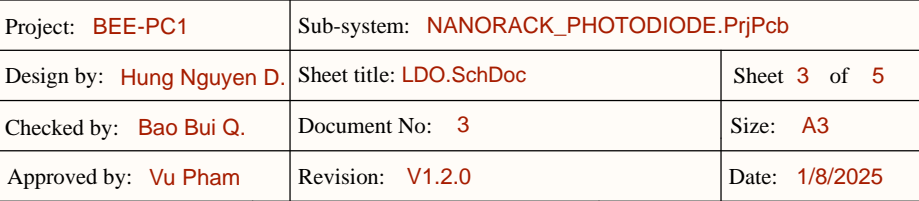


0532610971 - Molex

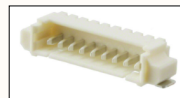
1	12V_EXP
2	GND_EXP
3	SCK
4	MOSI
5	MISO
6	SW_CS
7	ADC_CS
8	ADC_CONV
9	ADC_EOC



Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: BLOCK_DIAGRAM.SchDoc	Sheet 2 of 5
Checked by: Bao Bui Q.	Document No: 2	Size: A3
Approved by: Vu Pham	Revision: V1.2.0	Date: 1/8/2025



- ELECTRICAL:
 - CURRENT RATING: 1A/CONTACT
 - VOLTAGE RATING: 125V/CONTACT
- ENVIRONMENTAL:
 - TEMPERATURE RANGE: -40°C TO +105°C
- PHYSICAL:
 - PITCH-MATING: 0.049" (1.25mm)
- WIRE:
 - WIRE SIZE: 24 AWG
 - MAX CURRENT: 1A per Wire
 - ISULATION MATERIAL: PTFE
- MATING:
 - Molex - 0510210900



- MATING -



0510210900

[illegible]

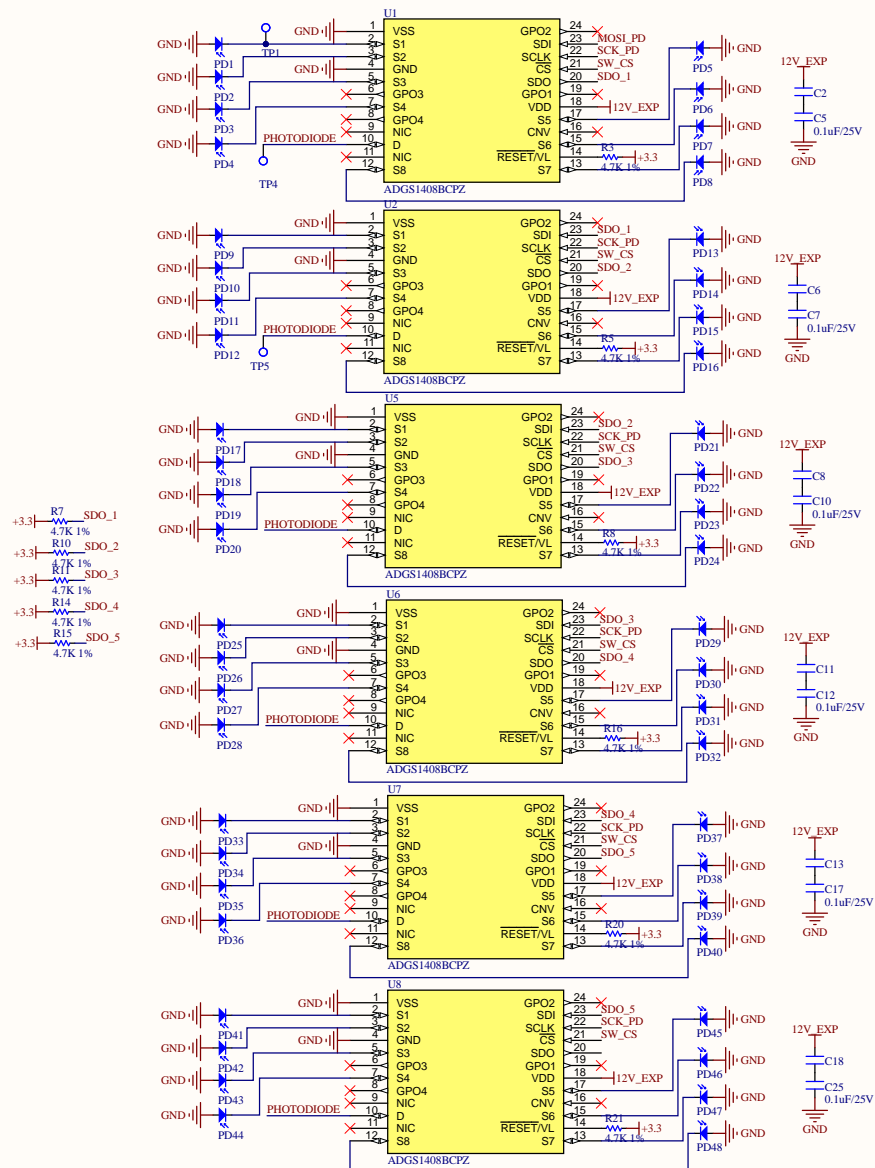
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Sheet 4 of 5

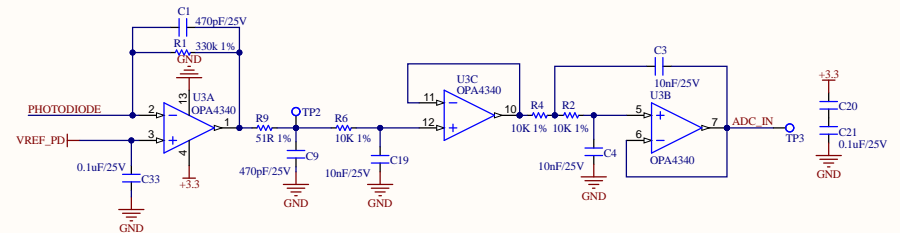
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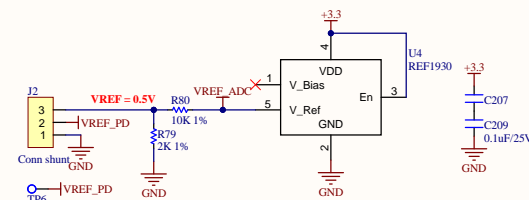
SWITCHING



TRANSIMPEDANCE, ANTI ALIAS



VREF



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: V1.2.0	Date: 1/8/2025