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NANORACK PHOTODIODE

Schematic V1.2.0



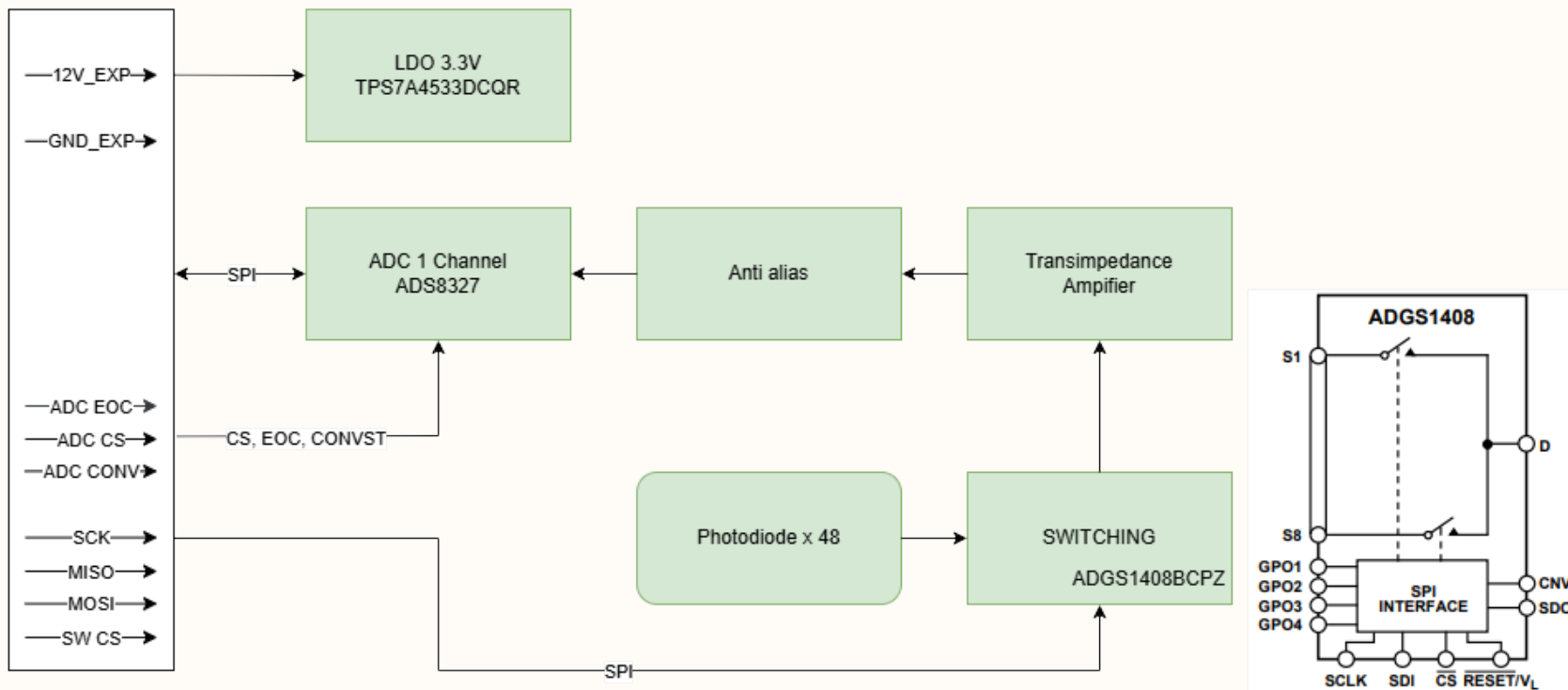
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Design by: Hung Nguyen D.	Sheet title: INDEX.SchDoc	Sheet 1 of 5
Checked by: Bao Bui Q.	Document No: 1	Size: A3
Approved by: Vu Pham	Revision: V1.2.0	Date: 1/10/2025

PHOTODIODE

0532610971 - Molex

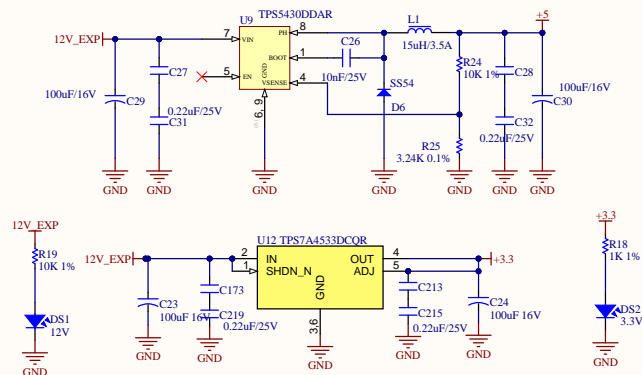


1	12V_EXP
2	GND_EXP
3	SCK
4	MOSI
5	MISO
6	SW_CS
7	ADC_CS
8	ADC_CONV
9	ADC_EOC



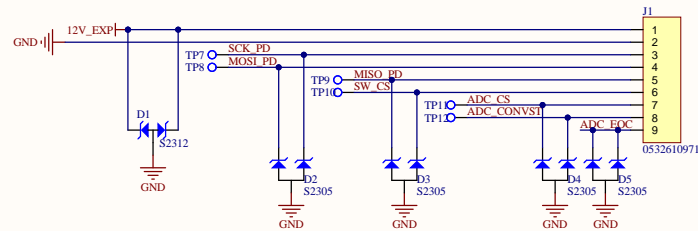
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Checked by: Bao Bui Q.	Document No: 2	Size: A3
Approved by: Vu Pham	Revision: V1.2.0	Date: 1/9/2025

POWER SWITCH AND LDO



Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb	Sheet 3 of 5
Design by: Hung Nguyen D.	Sheet title: POWER SWITCH AND LDO.SchDoc	
Checked by: Bao Bui Q.	Document No: 3	Size: A3
Approved by: Vu Pham	Revision: V1.2.0	Date: 1/10/2025

CONNECTOR

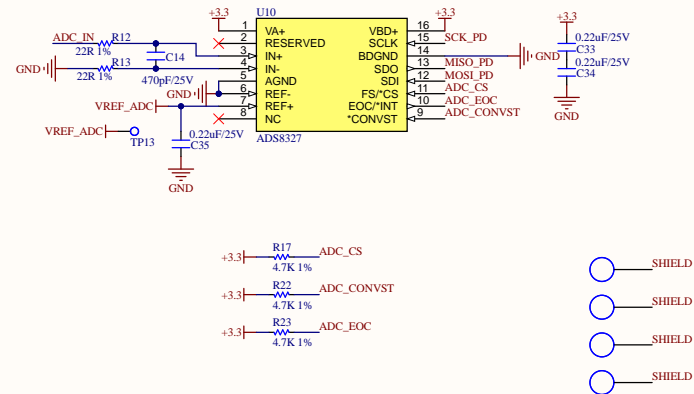


Molex - 0532610971

- 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

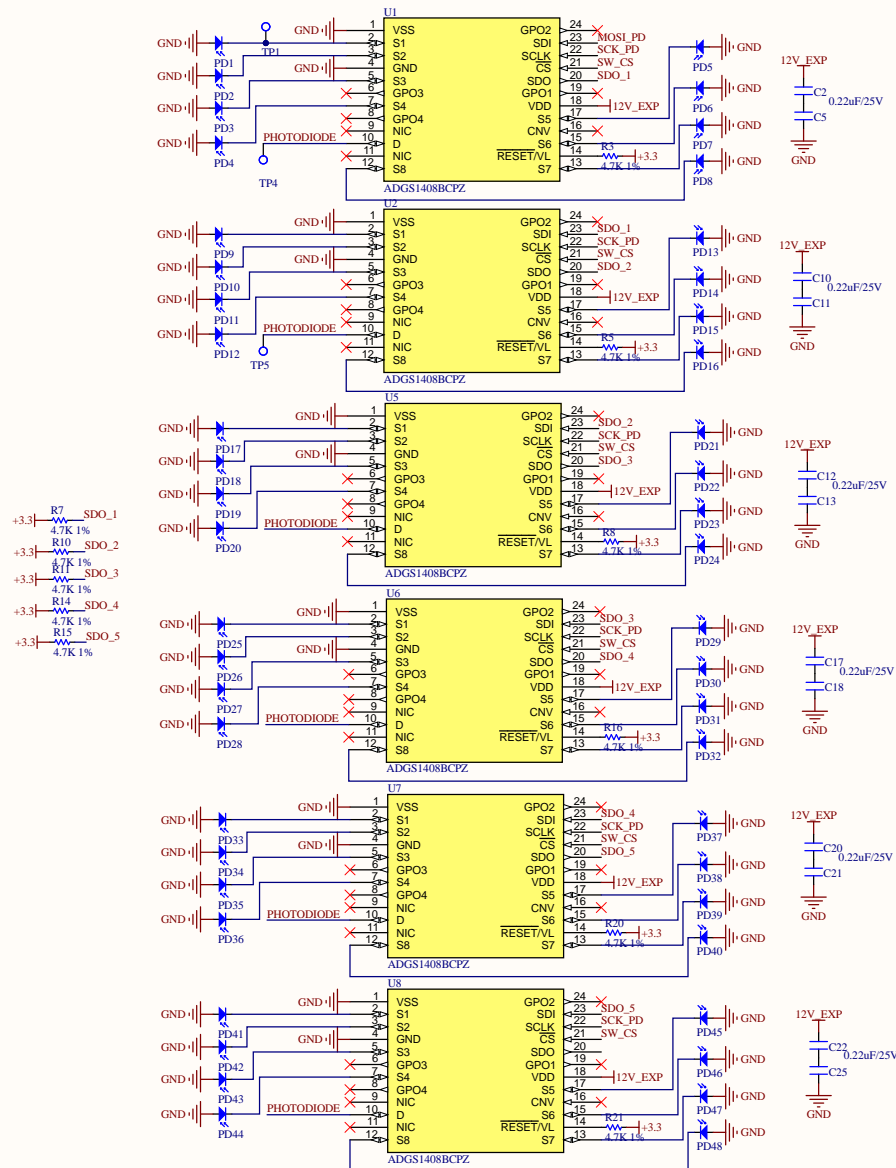


ADC

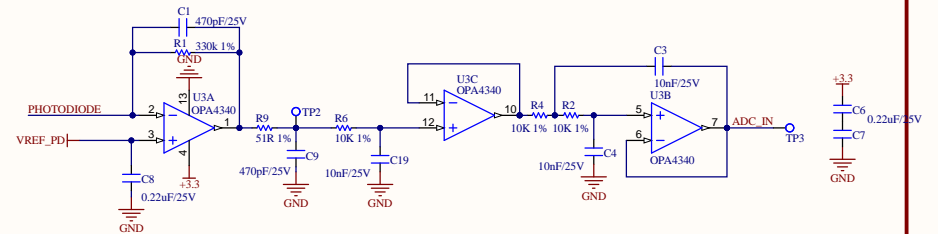


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Design by: Hung Nguyen D.	Sheet title: COMMUNICATION.SchDoc	Sheet 4 of 5
Checked by: Bao Bui Q.	Document No: 4	Size: A3
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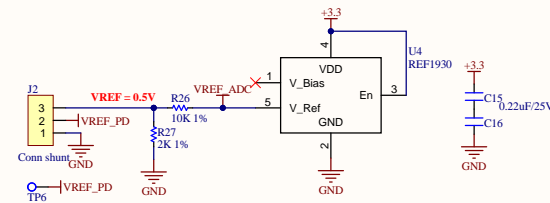
SWITCHING



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
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