

Table of Content

PAGE	COMPONENT/ FUNCTION
001	INDEX
002	BLOCK_DIAGRAM
003	POWER SWITCH AND LDO
004	COMMUNICATION
005	PHOTODIODE

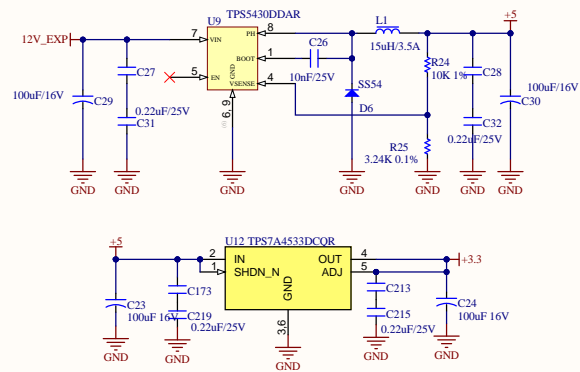
NANORACK PHOTODIODE

Schematic V1.1.0

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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: V1.1.0	Date: 1/15/2025

1	2	3	4	5	6
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A					
B					
C					
D					
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			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: V1.1.0	Date: 1/15/2025
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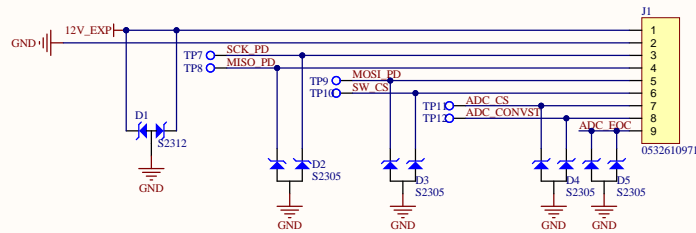
# POWER SWITCH AND LDO



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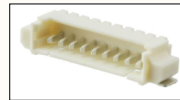
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Design by: Hung Nguyen D.	Sheet title: POWER SWITCH AND LDO.SchDoc	Sheet 3 of 5
Checked by: Bao Bui Q.	Document No: 3	Size: A3
Approved by: Vu Pham	Revision: V1.1.0	Date: 1/16/2025

## CONNECTOR

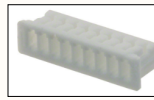


### Molex - 0532610971

- 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

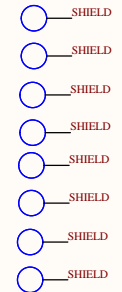
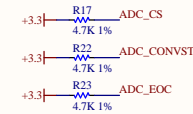
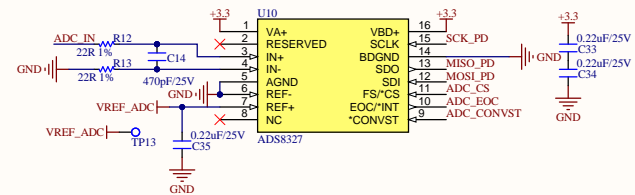


- MATING -



0510210900

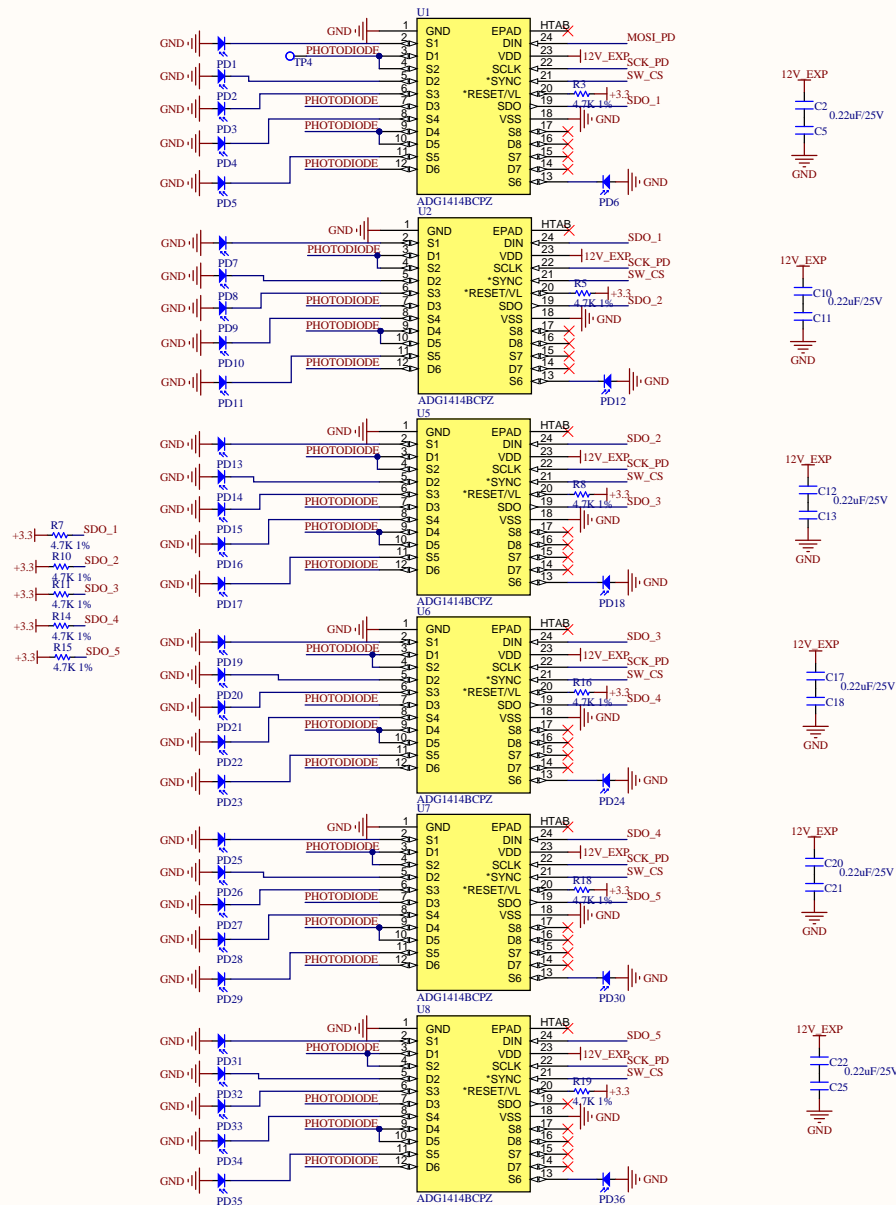
## ADC



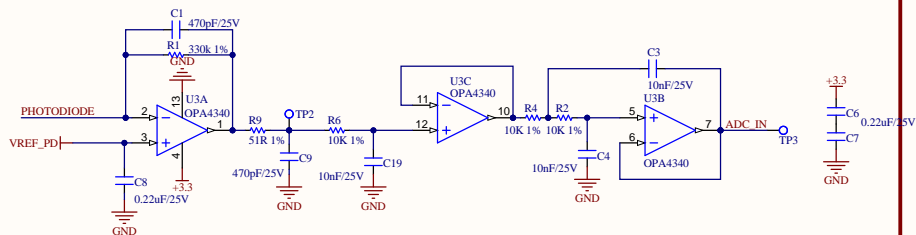
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Project: BEE-PC1	Sub-system: NANORACK_PHOTODIODE.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: COMMUNICATION.SchDoc	Sheet 4 of 5
Checked by: Bao Bui Q.	Document No: 4	Size: A3
Approved by: Vu Pham	Revision: V1.1.0	Date: 1/16/2025

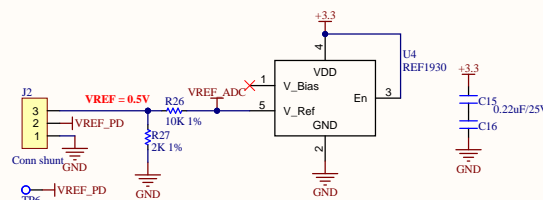
# SWITCHING



# TRANSIMPEDANCE, ANTI ALIAS



# VREF



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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: V1.1.0	Date: 1/16/2025

