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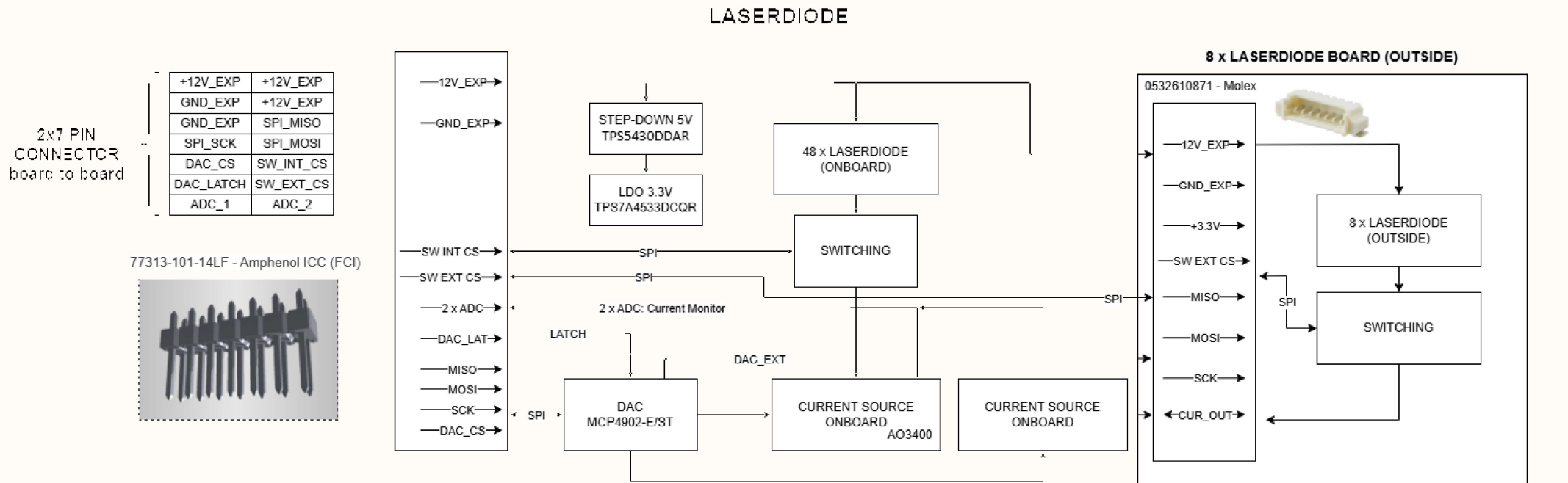
NANORACK LASER
Schematic V1.3.0

History

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001	INDEX
002	BLOCK_DIAGRAM
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VERSION	DISCRIPTION
1.0.0	INITIAL PROJECT
1.1.0	REPLACE SWITCHING OBJECT
1.2.0	ADD HOLES (CENTER OF SIDES)
1.2.1	CHANGE ADG1414 CATEGORY
1.3.0	CHANGE TO HIGHSIDE CURRENT SOURCE

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Project: BEE-PC1	Sub-system: NANORACK_LASER.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: INDEX.SchDoc	Sheet 1 of 6
Checked by: Bao Bui Q.	Document No: 1	Size: A3
Approved by: Vu Pham	Revision: V1.3.0	Date: 12/8/25

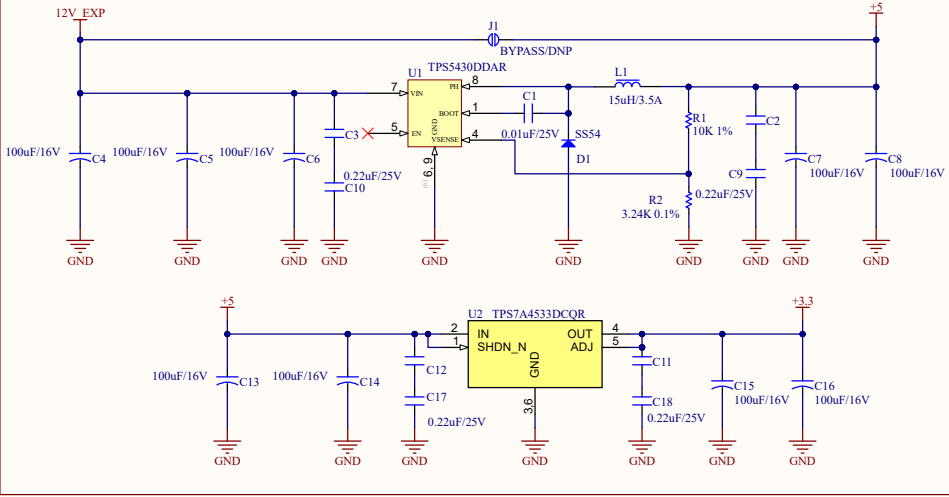


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Design by: Hung Nguyen D.	Sheet title: BLOCK_DIAGRAM.SchDoc	Sheet 2 of 6
Checked by: Bao Bui Q.	Document No: 2	Size: A3
Approved by: Vu Pham	Revision: V1.3.0	Date: 12/8/25

1	2	3	4	5	6
A					
B					
C					
D					
1	2	3	4	5	6

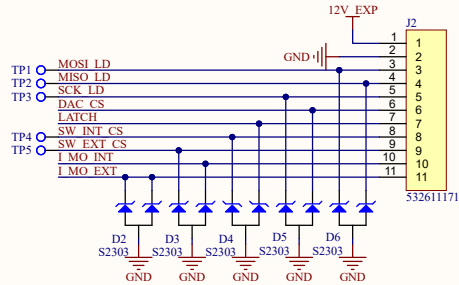
POWER SWITCH AND LDO



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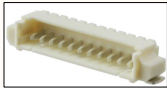
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Design by: Hung Nguyen D.	Sheet title: POWER SWITCH AND LDO.SchDoc	Sheet 3 of 6
Checked by: Bao Bui Q.	Document No: 3	Size: A3
Approved by: Vu Pham	Revision: V1.3.0	Date: 14/9/25

BOARD TO BOARD CONNECTOR TO EXP BOARD



Molex - 0532611171

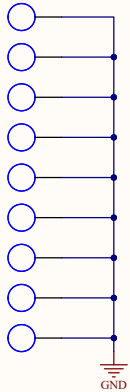
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CURRENT RATING: 1A/CONTACT
VOLTAGE RATING: 125V/CONTACT
- ENVIRONMENTAL:**
TEMPERATURE RANGE: -40°C TO +105°C
- PHYSICAL:**
PITCH-MATING: 0.049" (1.25mm)
- WIRE:**
WIRE SIZE: 24 AWG
MAX CURRENT: 1A per Wire
ISULATION MATERIAL: PTFE
- MATING:**
Molex - 0510211100



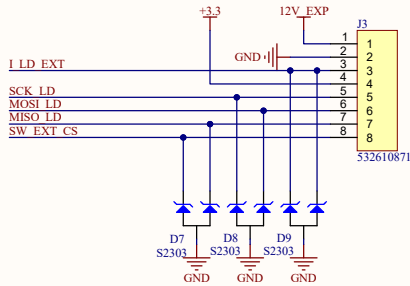
- MATING -



0510211100

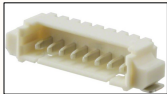


LASER EXT CONNECTOR



Molex - 0532610871

- 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 - 0510210800



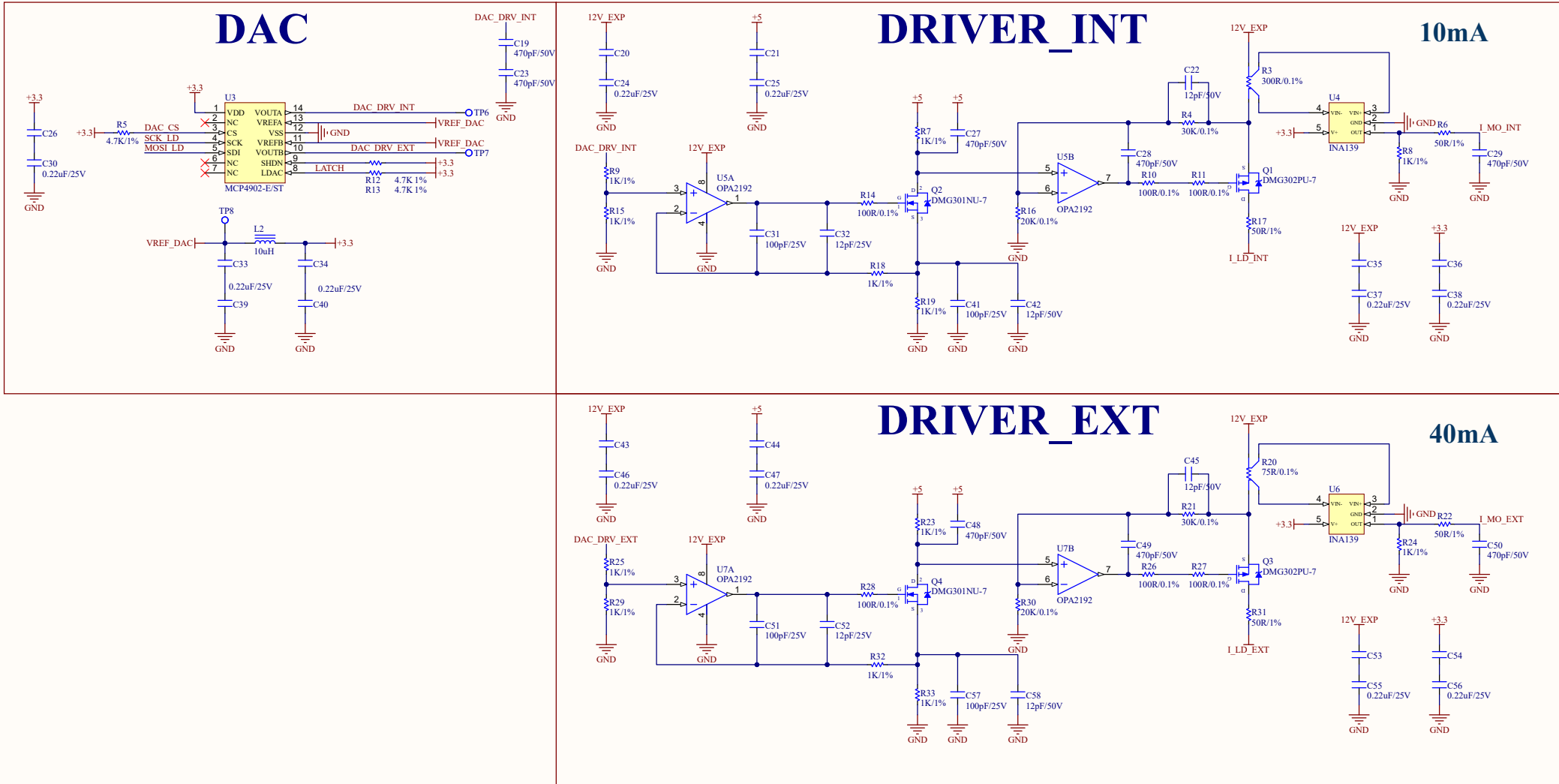
- MATING -



0510210800

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Project: BEE-PC1	Sub-system: NANORACK_LASER.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: COMMUNICATION.SchDoc	Sheet 4 of 6
Checked by: Bao Bui Q.	Document No: 4	Size: A3
Approved by: Vu Pham	Revision: V1.3.0	Date: 14/9/25



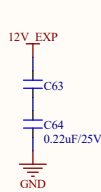
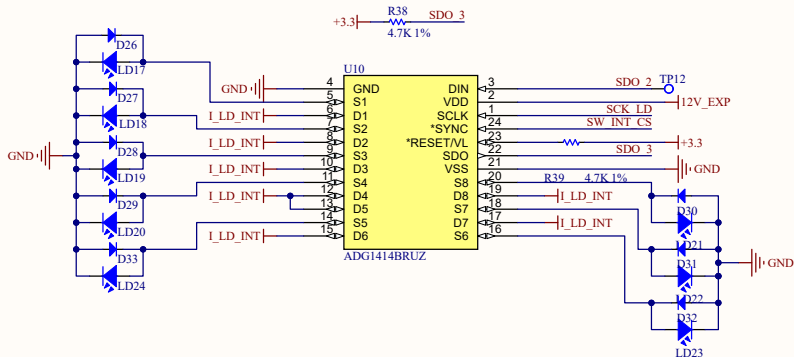
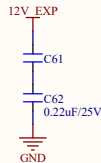
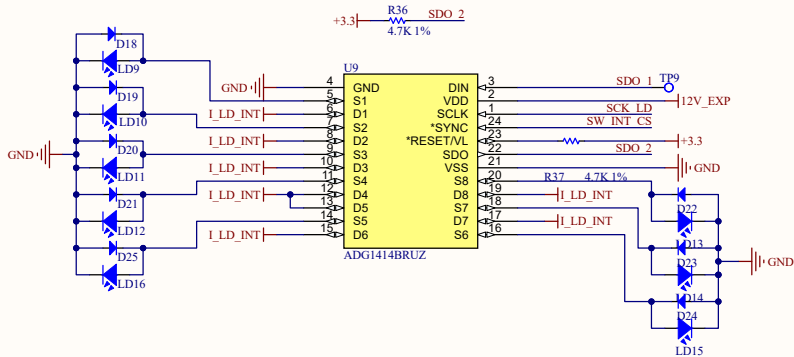
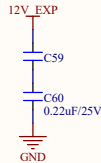
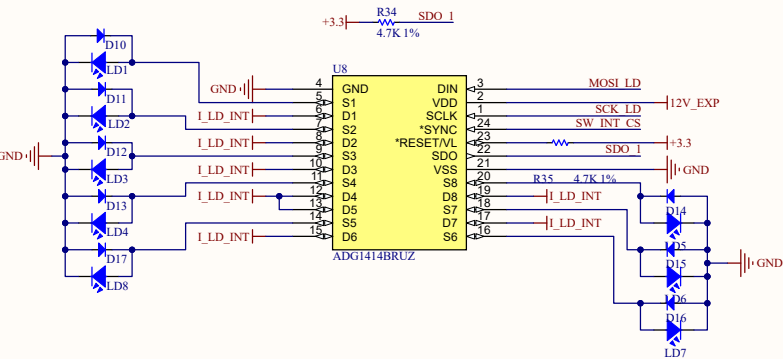
Project: BEE-PC1	Sub-system: NANORACK_LASER.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: CURRENT_SOURCE.SchDoc	Sheet 5 of 6
Checked by: Bao Bui Q.	Document No: 5	Size: A3
Approved by: Vu Pham	Revision: V1.3.0	Date: 14/9/25

A

B

C

D



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Project: BEE-PC1	Sub-system: NANORACK_LASER.PrjPcb	
Design by: Hung Nguyen D.	Sheet title: SWITCHING.SchDoc	Sheet 6 of 6
Checked by: Bao Bui Q.	Document No: 6	Size: A3
Approved by: Vu Pham	Revision: V1.3.0	Date: 14/9/25