

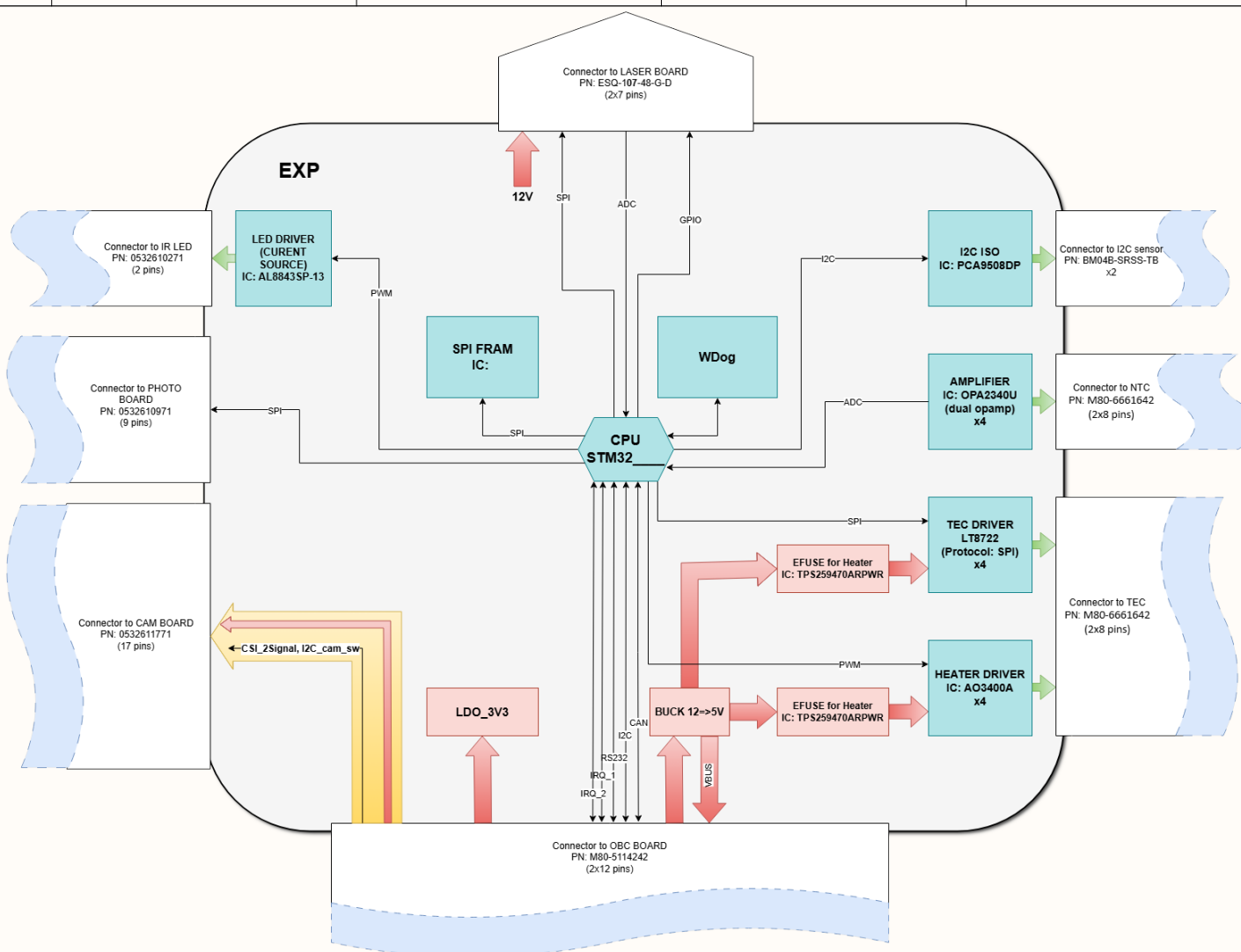
EXPERIMENT MAIN BOARD

INDEX

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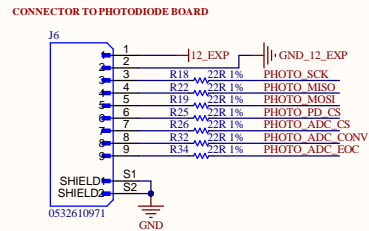
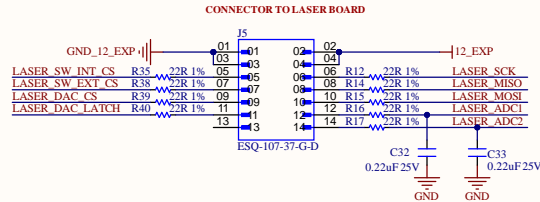
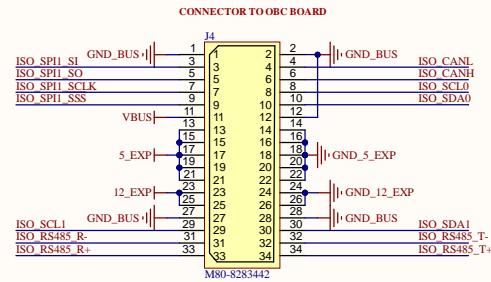
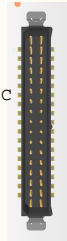
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Design by: SANG HUYNH	Sheet title: INDEX.SchDoc	Sheet 1 of 12
Checked by: BAO BUI Q.	Document No: 1	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



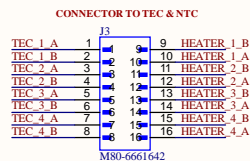
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Design by: SANG HUYNH	Sheet title: BLOCK_DIAGRAM.SchDoc	Sheet 2 of 12
Checked by: BAO BUI Q.	Document No: 2	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:

Harwin Inc. M80-8283442

- 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. M80-8883405



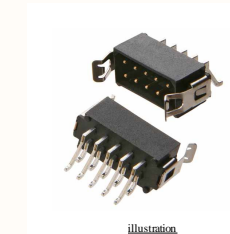
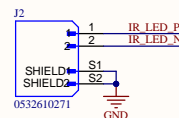
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Design by: SANG HUYNH	Sheet title: HEADERS_1.SchDoc	Sheet 3 of 12
Checked by: BAO BUI Q.	Document No: 3	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



Harwin Inc. M80-6661642

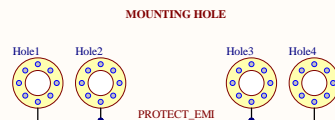
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VOLTAGE RATING: 800V/CONTACT
- ENVIRONMENTAL:
TEMPERATURE RANGE: -55°C TO +125°C
- PHYSICAL:
PITCH-MATING: 0.079" (2.00mm)
- WIRE:
WIRE SIZE: 24 AWG
MAX CURRENT: 2A per Wire
ISULATION MATERIAL: PTFE
- MATING:
Harwin Inc. M80-8881606

CONNECTOR TO HEATER & LED

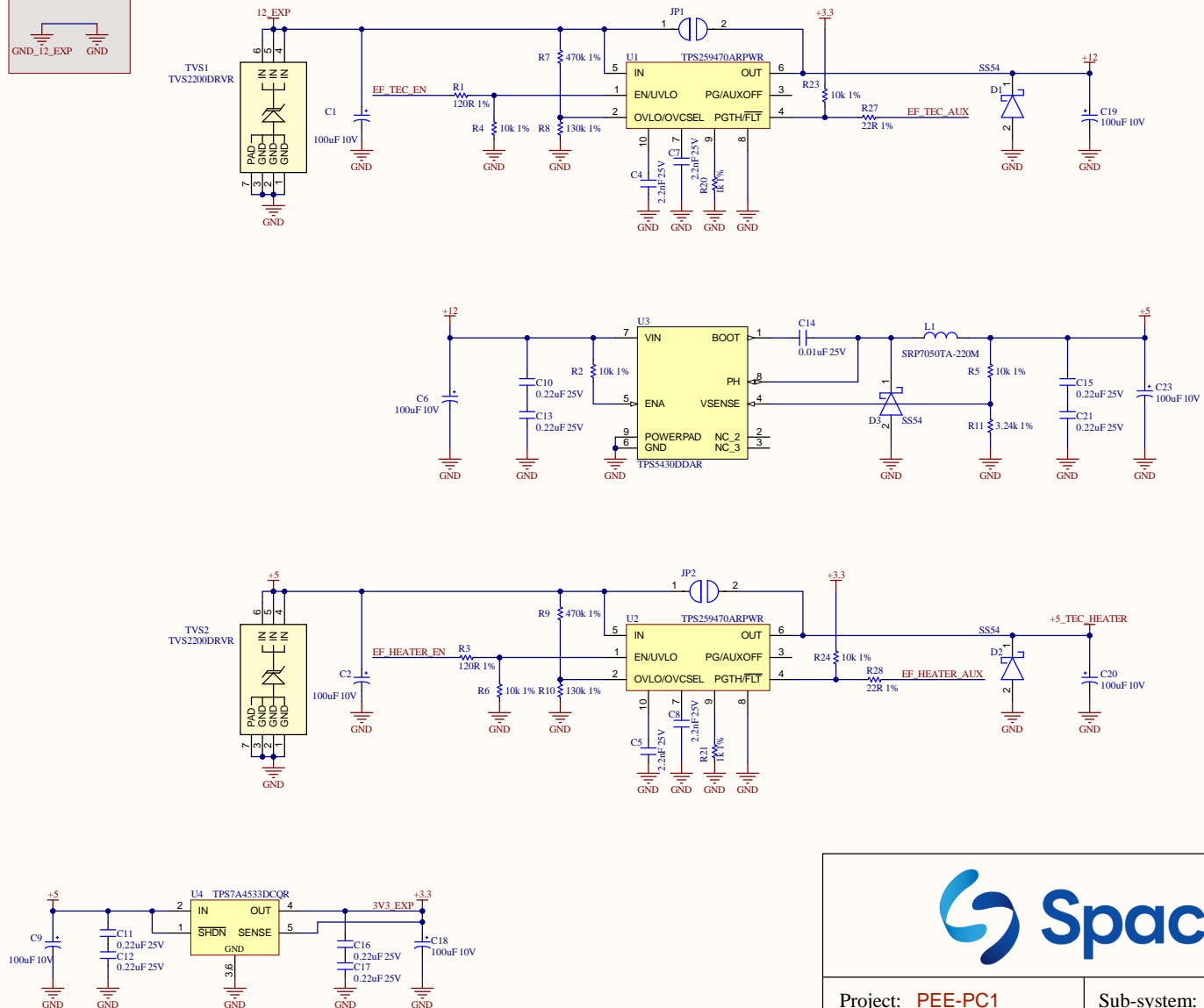
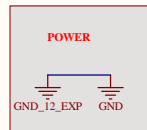


Harwin Inc. M80-6661642

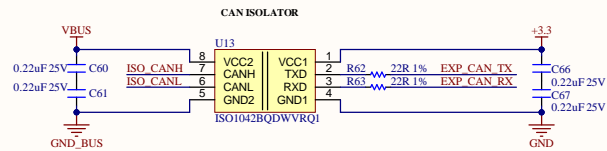
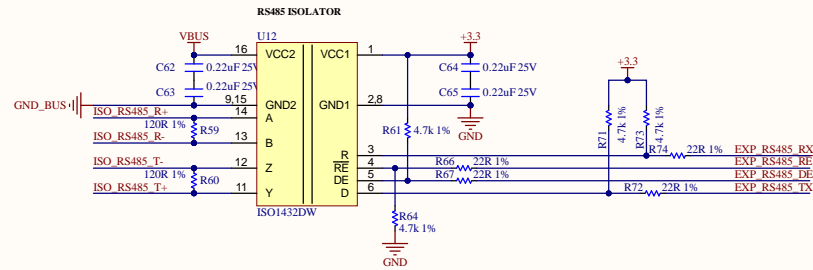
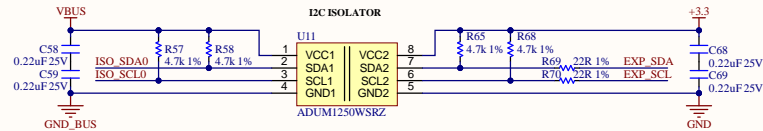
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- PHYSICAL:
PITCH-MATING: 0.079" (2.00mm)
- WIRE:
WIRE SIZE: 24 AWG
MAX CURRENT: 2A per Wire
ISULATION MATERIAL: PTFE
- MATING:
Harwin Inc. M80-8881606



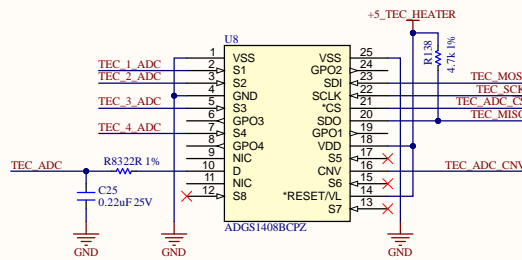
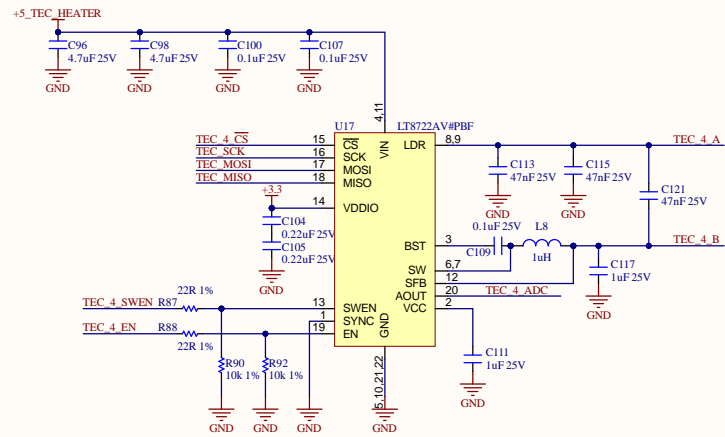
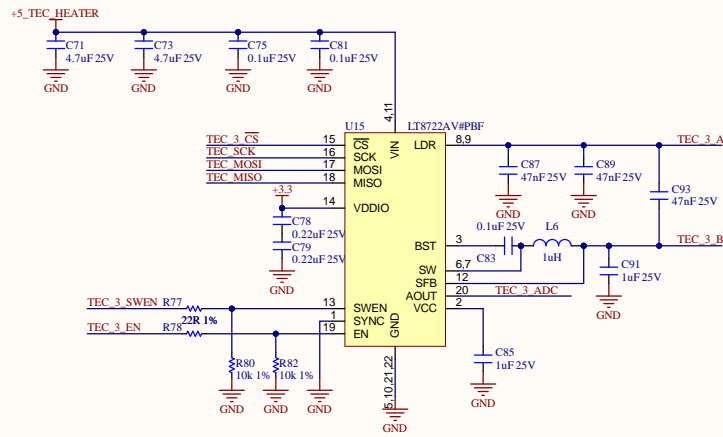
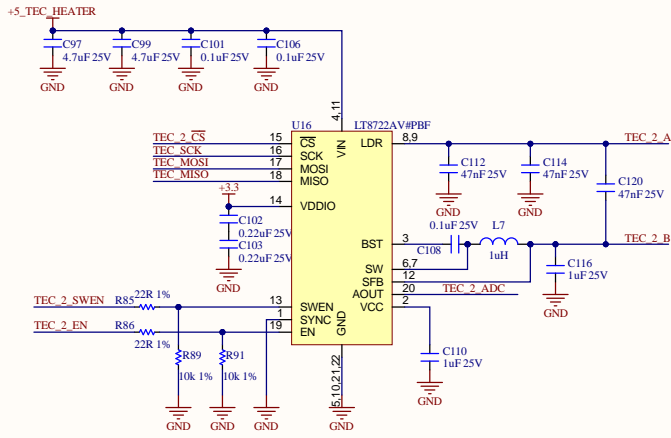
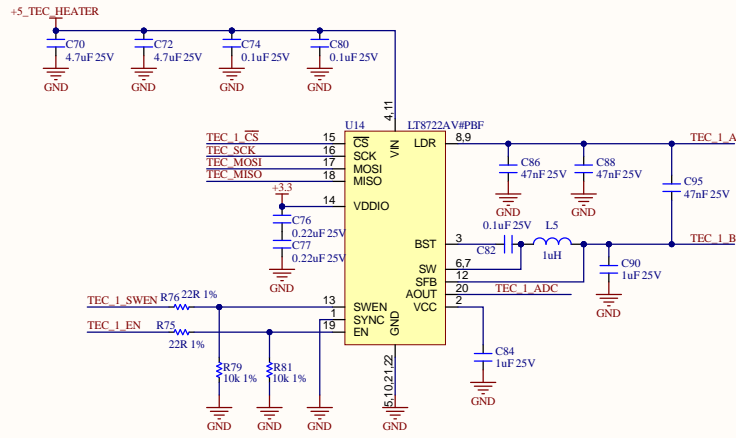
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Design by: SANG HUYNH	Sheet title: HEADERS_2.SchDoc	Sheet 4 of 12
Checked by: BAO BUI Q.	Document No: 4	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



Project: PEE-PC1	Sub-system: NANORACK_EXP_CONTROLLER	
Design by: SANG HUYNH	Sheet title: POWERchDoc.SchDoc	Sheet 5 of 12
Checked by: BAO BUI Q.	Document No: 5	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



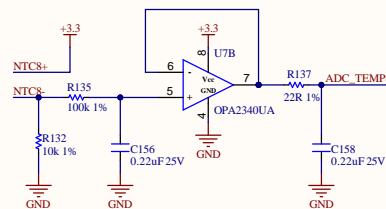
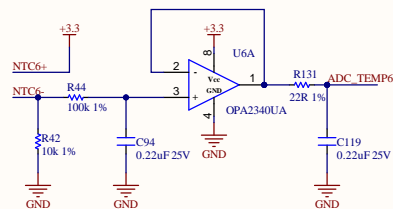
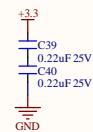
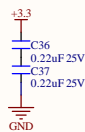
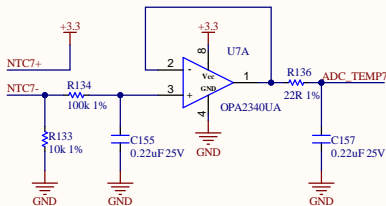
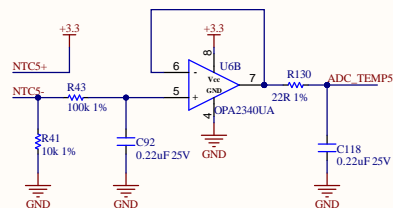
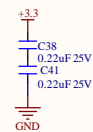
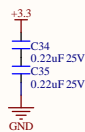
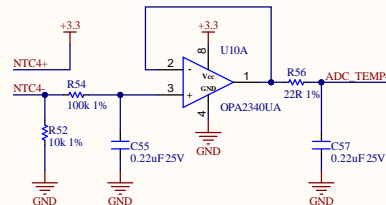
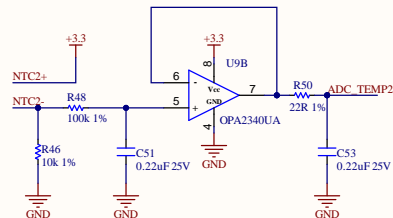
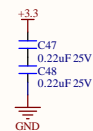
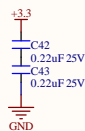
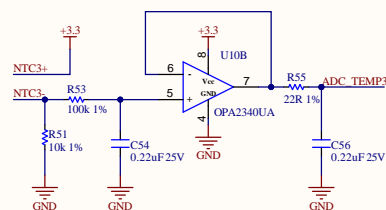
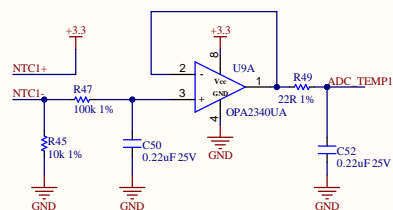
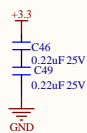
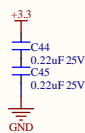
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Design by: SANG HUYNH	Sheet title: ISO_COM.SchDoc	Sheet 6 of 12
Checked by: BAO BUI Q.	Document No: 6	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



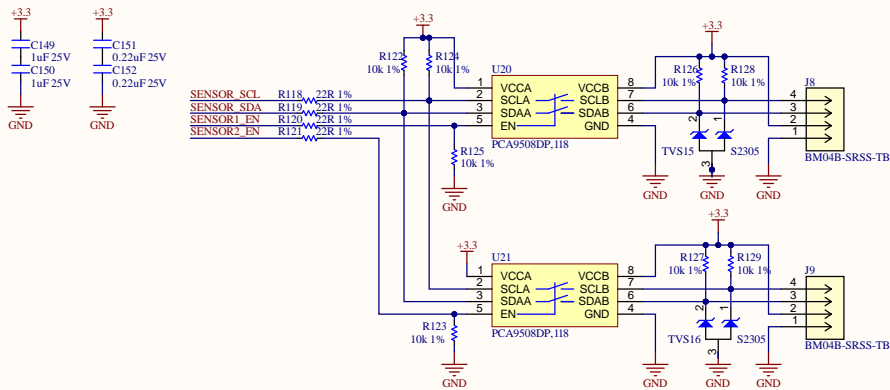
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Checked by: BAO BUI Q.	Document No: 7	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



Project: PEE-PC1	Sub-system: NANORACK_EXP_CONTROLLER	
Design by: SANG HUYNH	Sheet title: HEATER.SchDoc	Sheet 8 of 12
Checked by: BAO BUI Q.	Document No: 8	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:

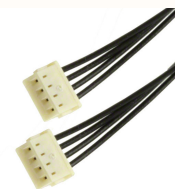


Project: PEE-PC1	Sub-system: NANORACK_EXP_CONTROLLER	
Design by: SANG HUYNH	Sheet title: NTC.SchDoc	Sheet 9 of 12
Checked by: BAO BUI Q.	Document No: 9	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:

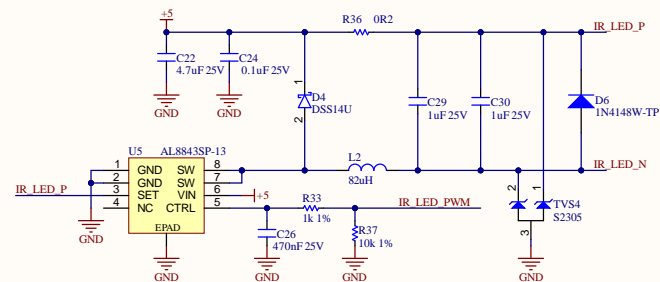


JST Sales America Inc. BM04B-SRSS-TB

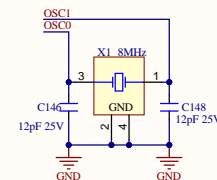
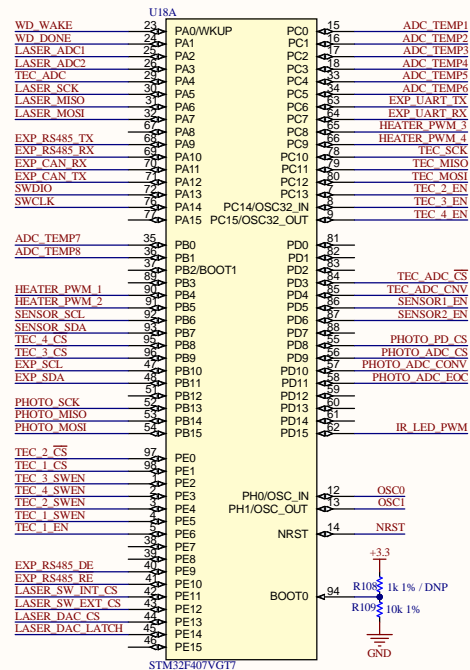
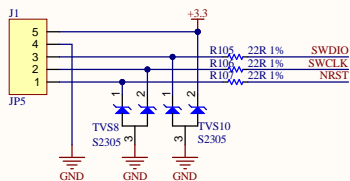
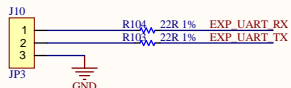
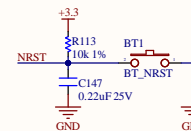
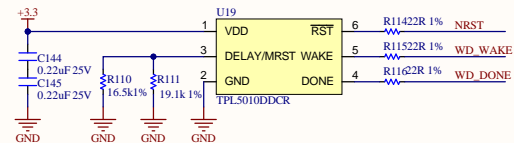
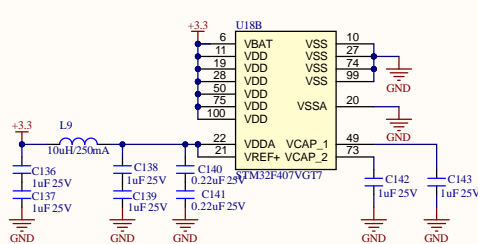
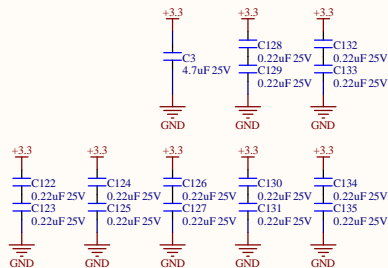
- ELECTRICAL:
CURRENT RATING: 1.0A AC/DC/CONTACT
VOLTAGE RATING: 50V AC/DC/CONTACT
- ENVIRONMENTAL:
TEMPERATURE RANGE: -25°C ~ 85°C
- PHYSICAL:
PITCH-MATING: 0.039" (1.00mm)
- WIRE:
WIRE SIZE: 26 AWG
MAX CURRENT: 0.1A per Wire
ISULATION MATERIAL: PTFE
- MATING:
JST Sales America Inc.
A04SR04SR30K152B



Project: PEE-PC1	Sub-system: NANORACK_EXP_CONTROLLER	
Design by: SANG HUYNH	Sheet title: I2C_SENSOR.SchDoc	Sheet 10 of 12
Checked by: BAO BUI Q.	Document No: 10	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date:



Project: PEE-PC1		Sub-system: NANORACK_EXP_CONTROLLER	
Design by: SANG HUYNH	Sheet title: LED.SchDoc	Sheet 11 of 12	
Checked by: BAO BUI Q.	Document No: 11	Size: A3	
Approved by: VU PHAM	Revision: V1.0.0	Date:	



Project: PEE-PC1	Sub-system: NANORACK_EXP_CONTROLLER	
Design by: SANG HUYNH	Sheet title: MCU.SchDoc	Sheet 12 of 12
Checked by: BAO BUI Q.	Document No: 12	Size: A3
Approved by: VU PHAM	Revision: V1.0.0	Date: