

Page 1: Block Diagram
Page 2: Solar Cells, MPPT
Page 3: Connectors, I²C GPIO, Magnetorquer
Page 4: ADCs
Page 5: Mechanical



Title: Block Diagram		Size: A
Project: CougarSat-1: Solar		SKU:68-0001
Designer: Hendrik Melse		Rev: 2.1.0
Date: 11/20/2019 10:21 AM		Page: 1/5

Variant: PV0 (+Z)

1

2

3

4

5

6

A

A

B

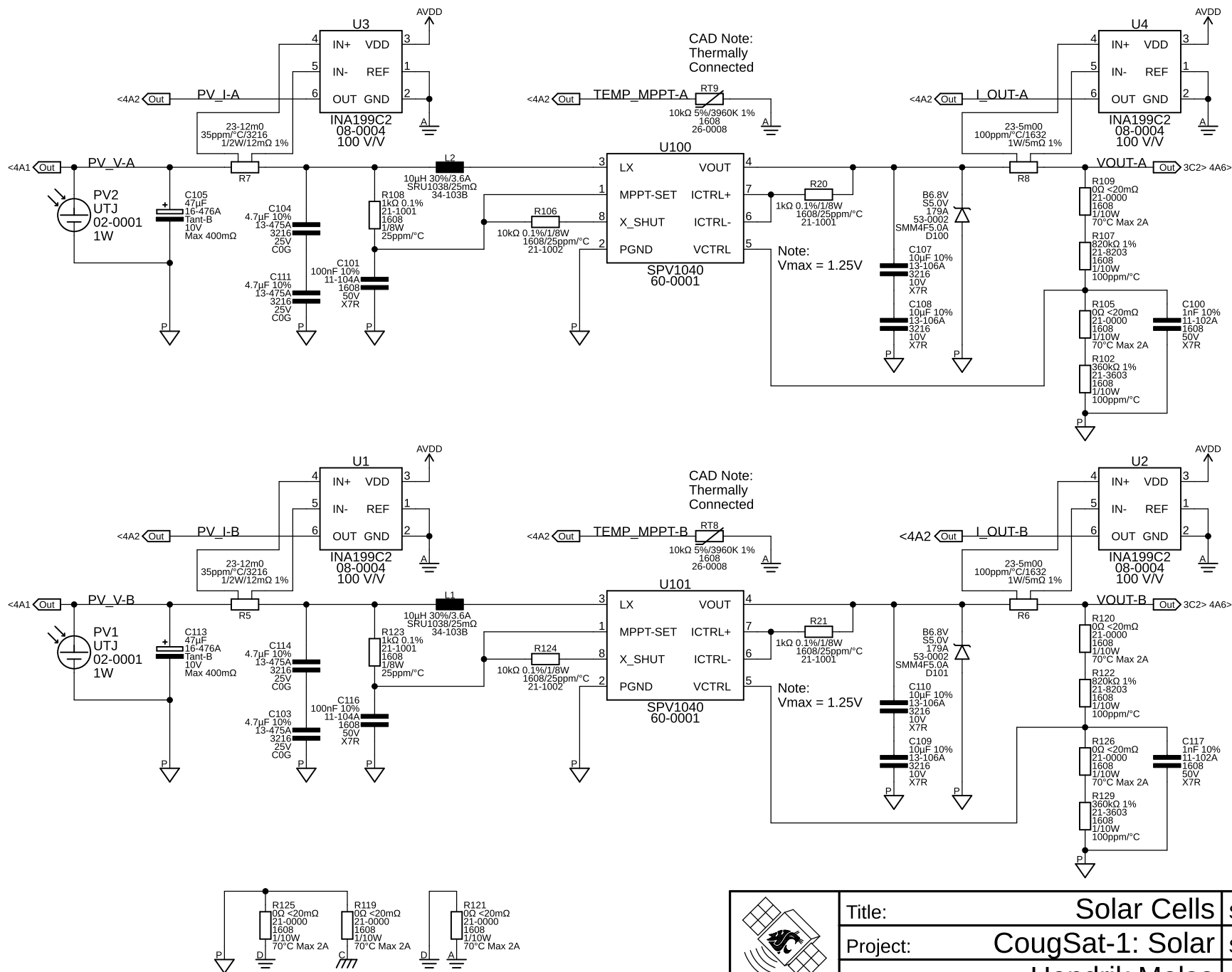
B

C

C

D

D



Variant: PV0 (+Z)



Title:	Solar Cells	Size:	A
Project:	CougSat-1: Solar	SKU:	68-0001
Designer:	Hendrik Melse	Rev:	2.1.0
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1

2

3

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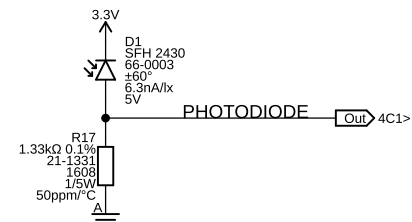
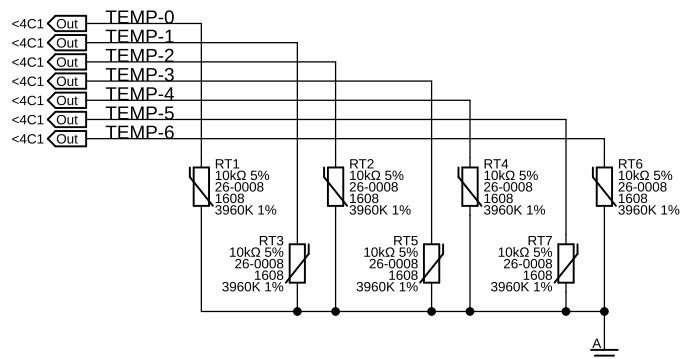
4

5

6

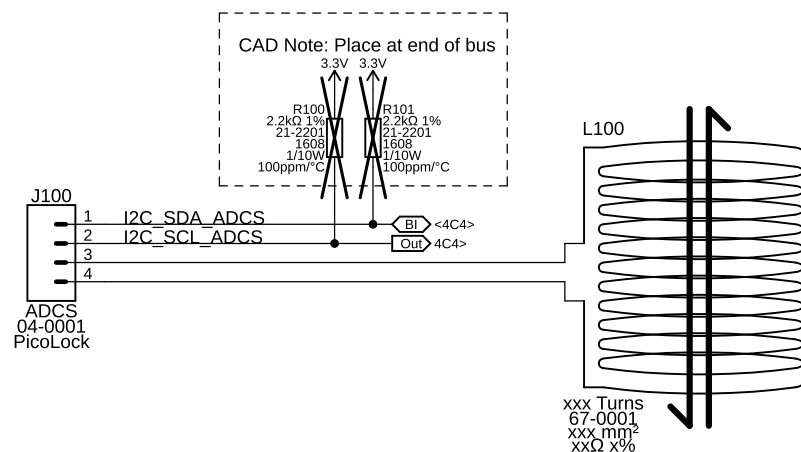
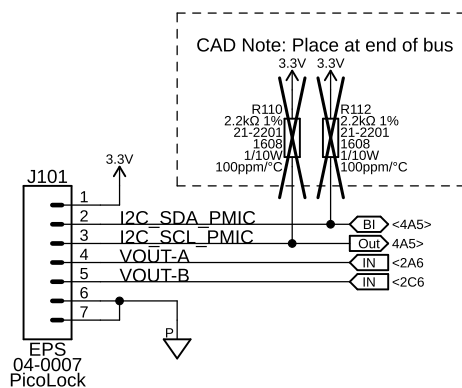
A

A



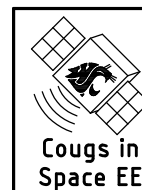
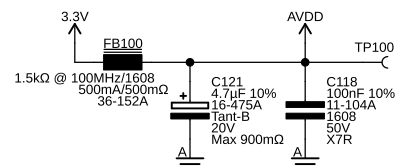
B

B



D

D



Title:	Connectors, Sensors	Size:	A
Project:	CougSat-1: Solar	SKU:	68-0001
Designer:	Hendrik Melse	Rev:	2.1.0
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Variant: PV0 (+Z)

1

2

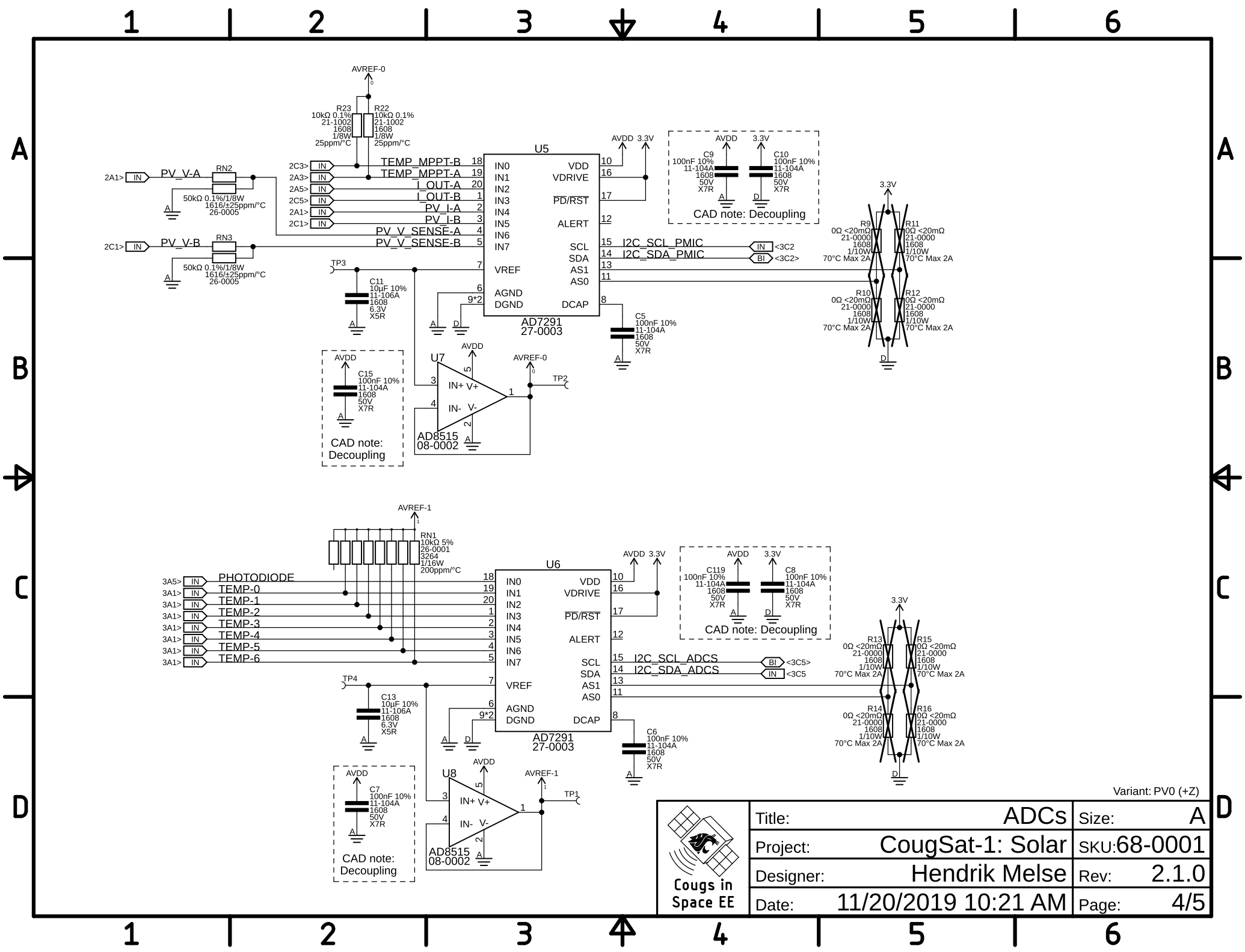
3

↓

4

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6



Title:	ADCs	Size:	A
Project:	CougSat-1: Solar	SKU:	68-0001
Designer:	Hendrik Melse	Rev:	2.1.0
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1

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3



4

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A

B

C

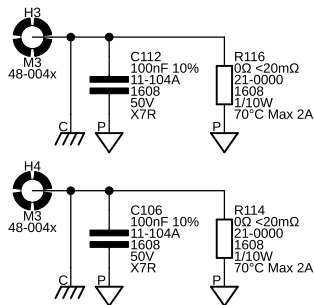
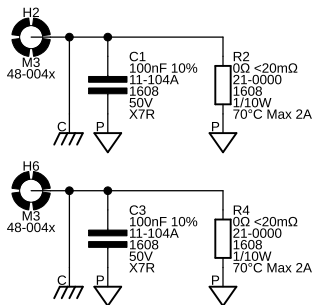
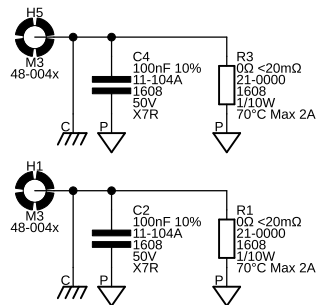
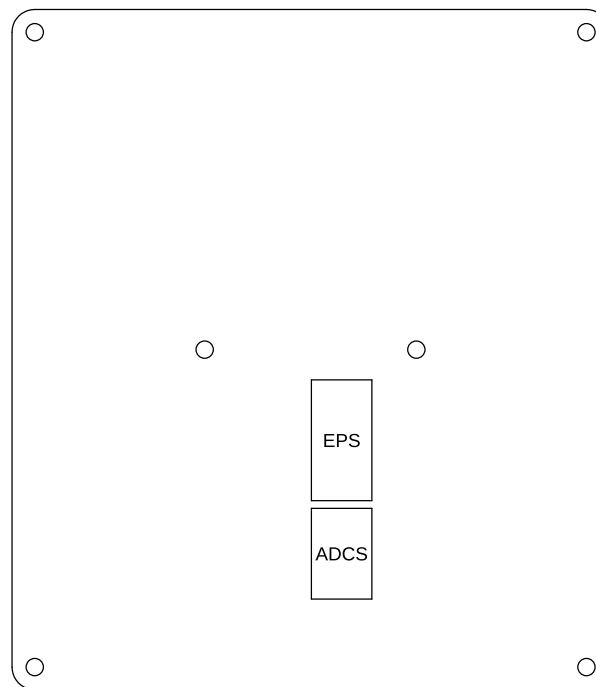
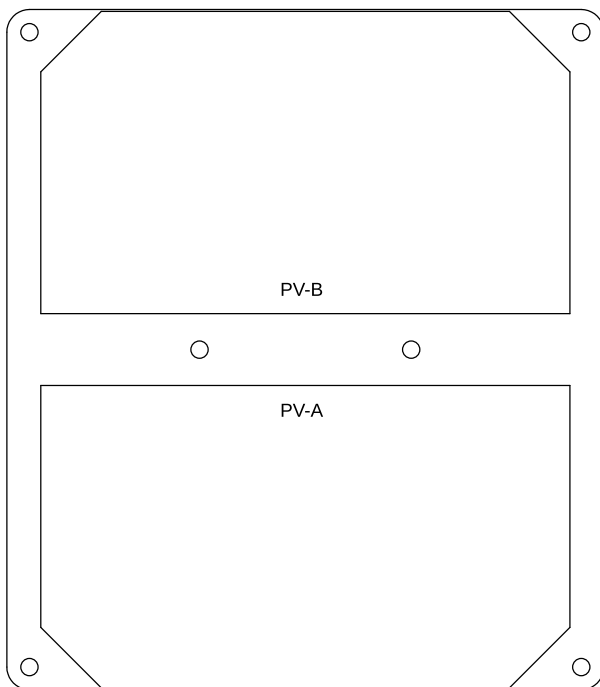
D

A

B

C

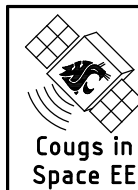
D

LOGO100
Satellite 16mmCougs in
Space

LOGO1

Signature

Variant: PV0 (+Z)



Title:	Mechanical	Size:	A
Project:	CougSat-1: Solar	SKU:	68-0001
Designer:	Hendrik Melse	Rev:	2.1.0
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