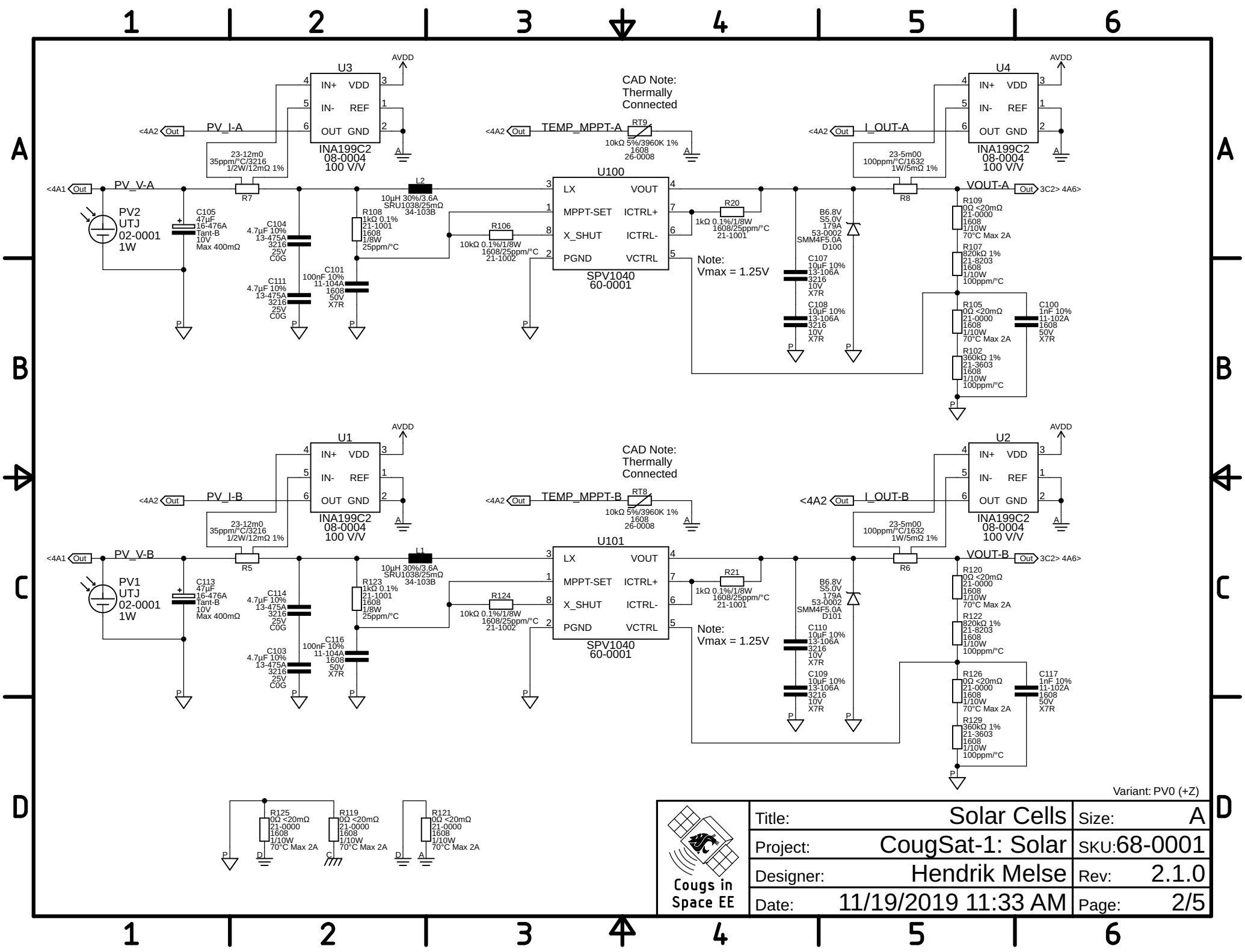



Page 1: Block Diagram
Page 2: Solar Cells, MPPT
Page 3: Connectors, I²C GPIO, Magnetorquer
Page 4: ADCs
Page 5: Mechanical



Title:	Block Diagram
Project:	Cougsat-1: Solar
Designer:	Hendrik Melse
Date:	11/19/2019 11:33 AM

Variant: PV0 (+Z)	
Size:	A
SKU:	68-0001
Rev:	2.1.0
Page:	1/5



 Cougs in Space EE	Title:	Solar Cells	Size:	A
	Project:	CougSat-1: Solar	SKU:	68-0001
	Designer:	Hendrik Melse	Rev:	2.1.0
	Date:	11/19/2019 11:33 AM	Page:	2/5

1

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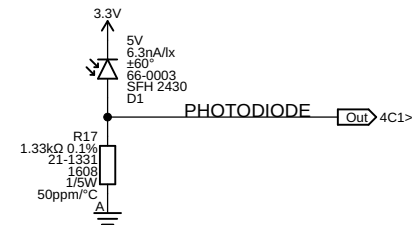
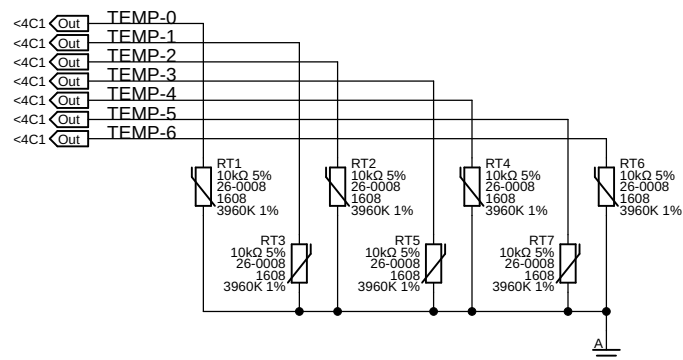
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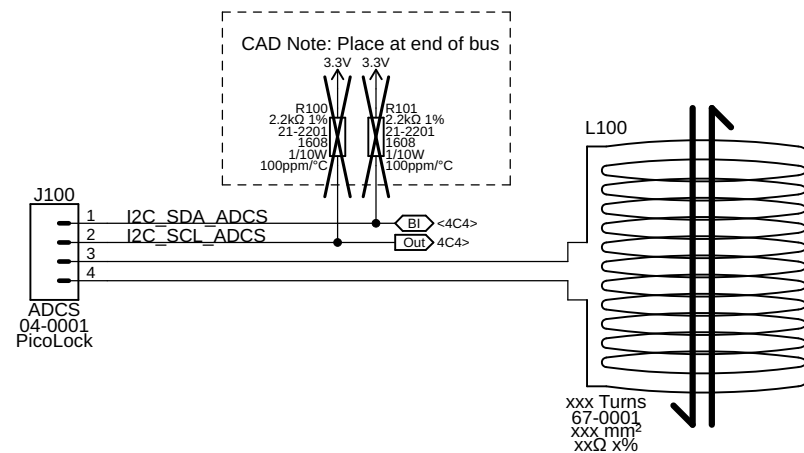
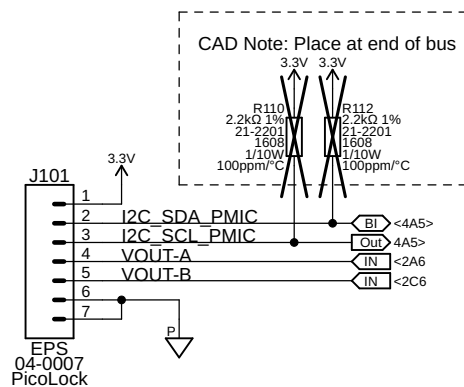
A

A



B

B

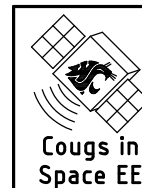
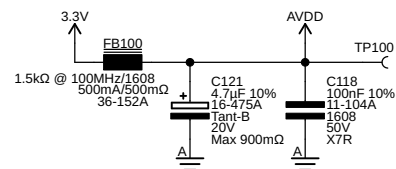


C

C

D

D



Title:	Connectors, Sensors	Size:	A
Project:	CougSat-1: Solar	SKU:	68-0001
Designer:	Hendrik Melse	Rev:	2.1.0
Date:	11/19/2019 11:33 AM	Page:	3/5

Variant: PV0 (+Z)

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B

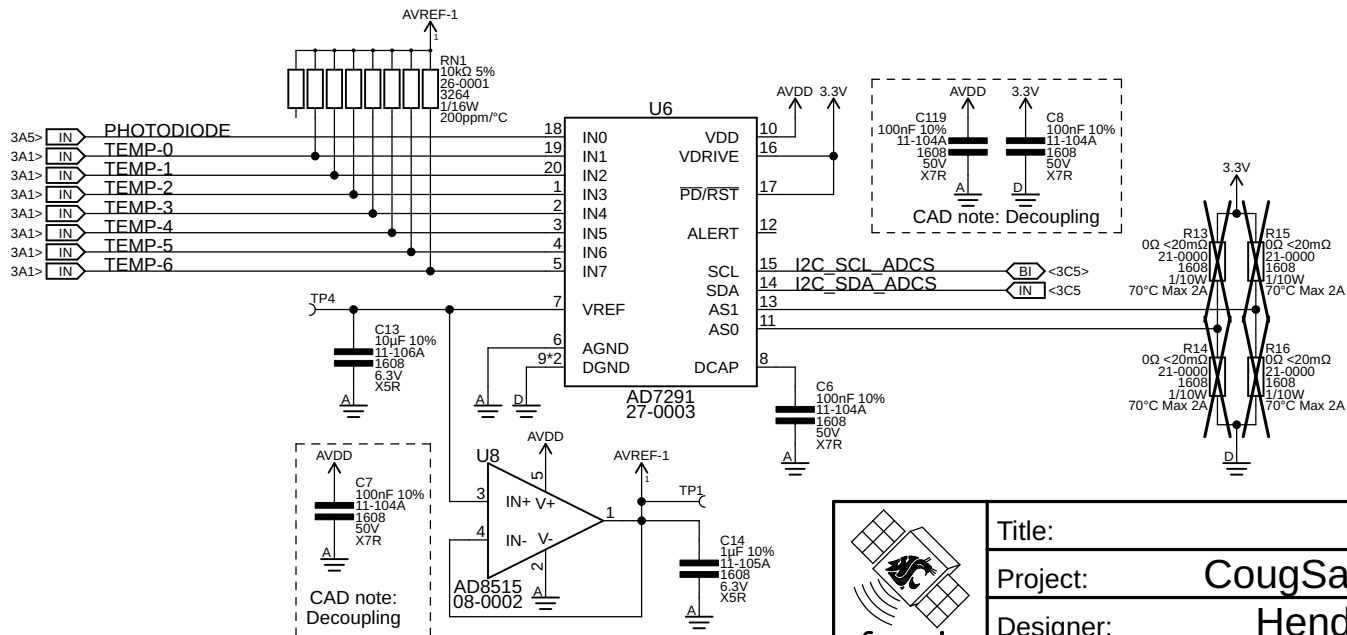
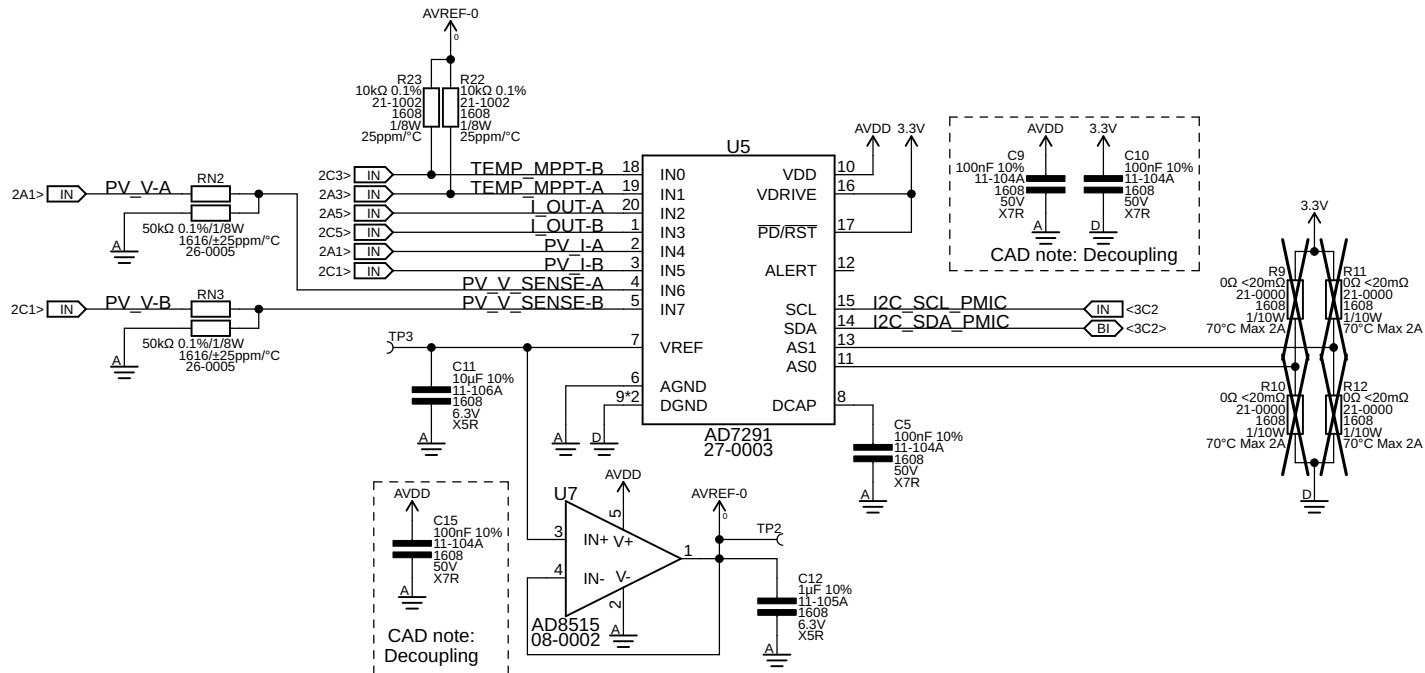
B

C

C

D

D



Variant: PV0 (+Z)



Title:	ADCs	Size:	A
Project:	CougSat-1: Solar	SKU:	68-0001
Designer:	Hendrik Melse	Rev:	2.1.0
Date:	11/19/2019 11:33 AM	Page:	4/5

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A

A

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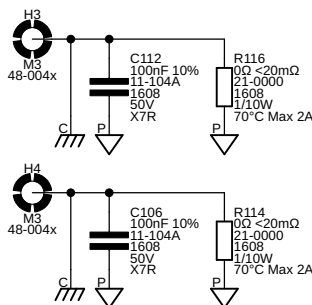
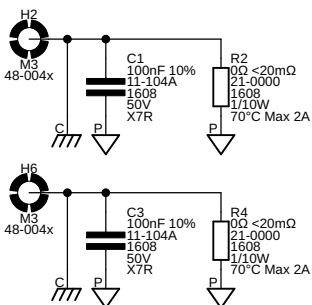
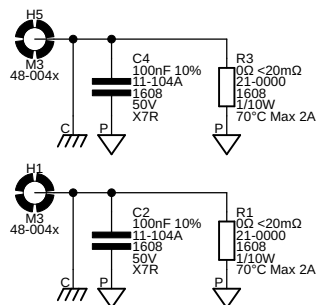
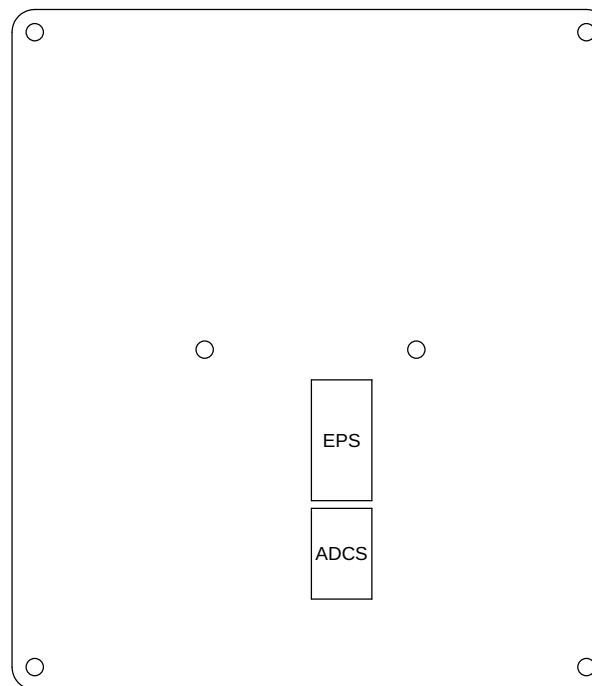
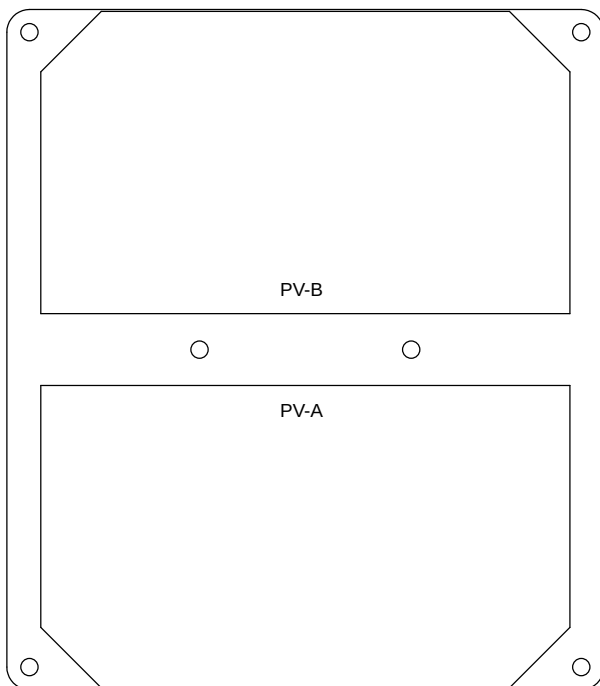
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C

C

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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
Date:	11/19/2019 11:33 AM	Page:	5/5