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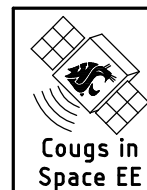
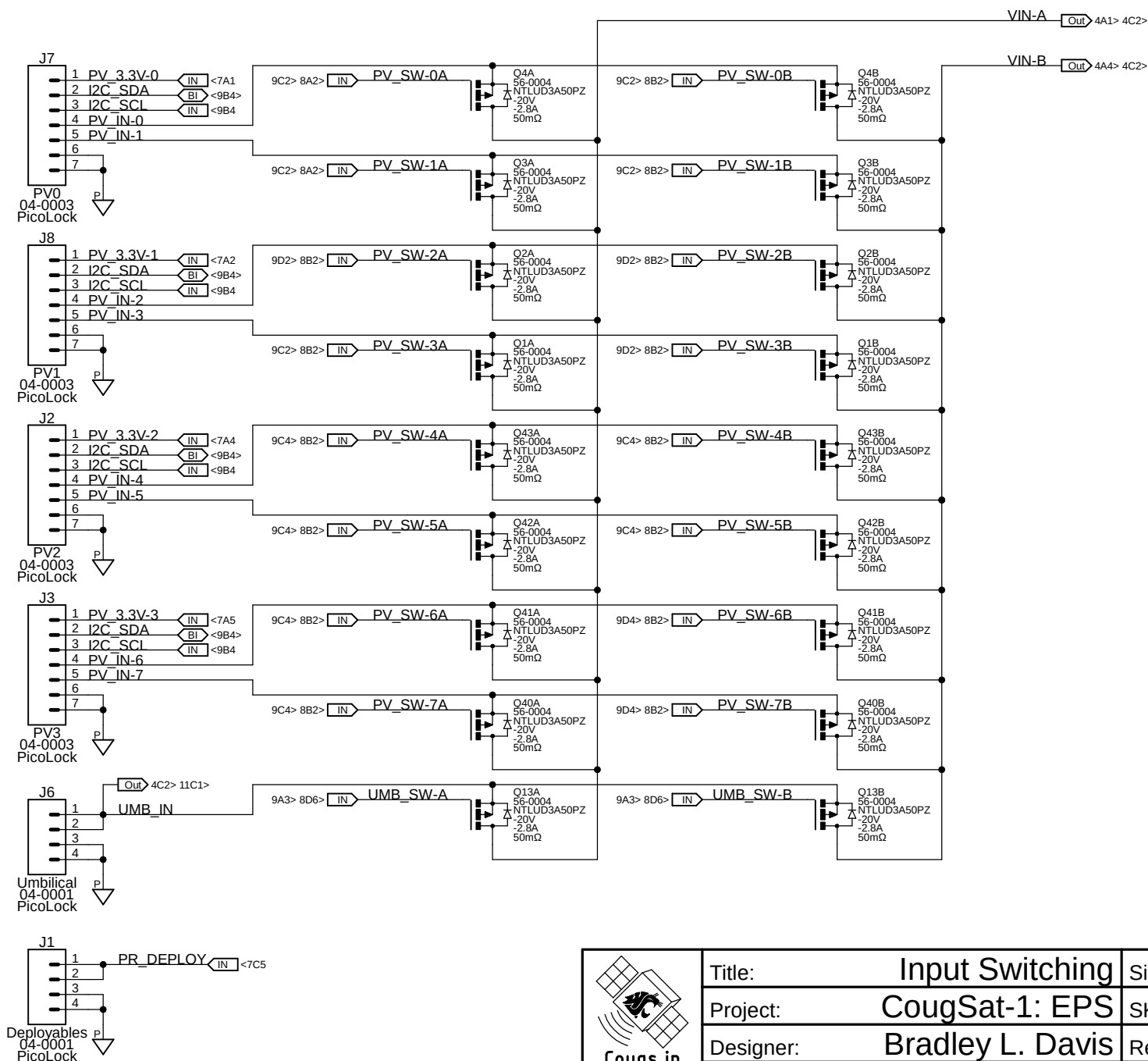
D

A

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D



Title:	Input Switching	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
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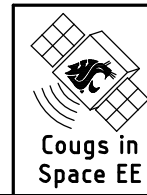
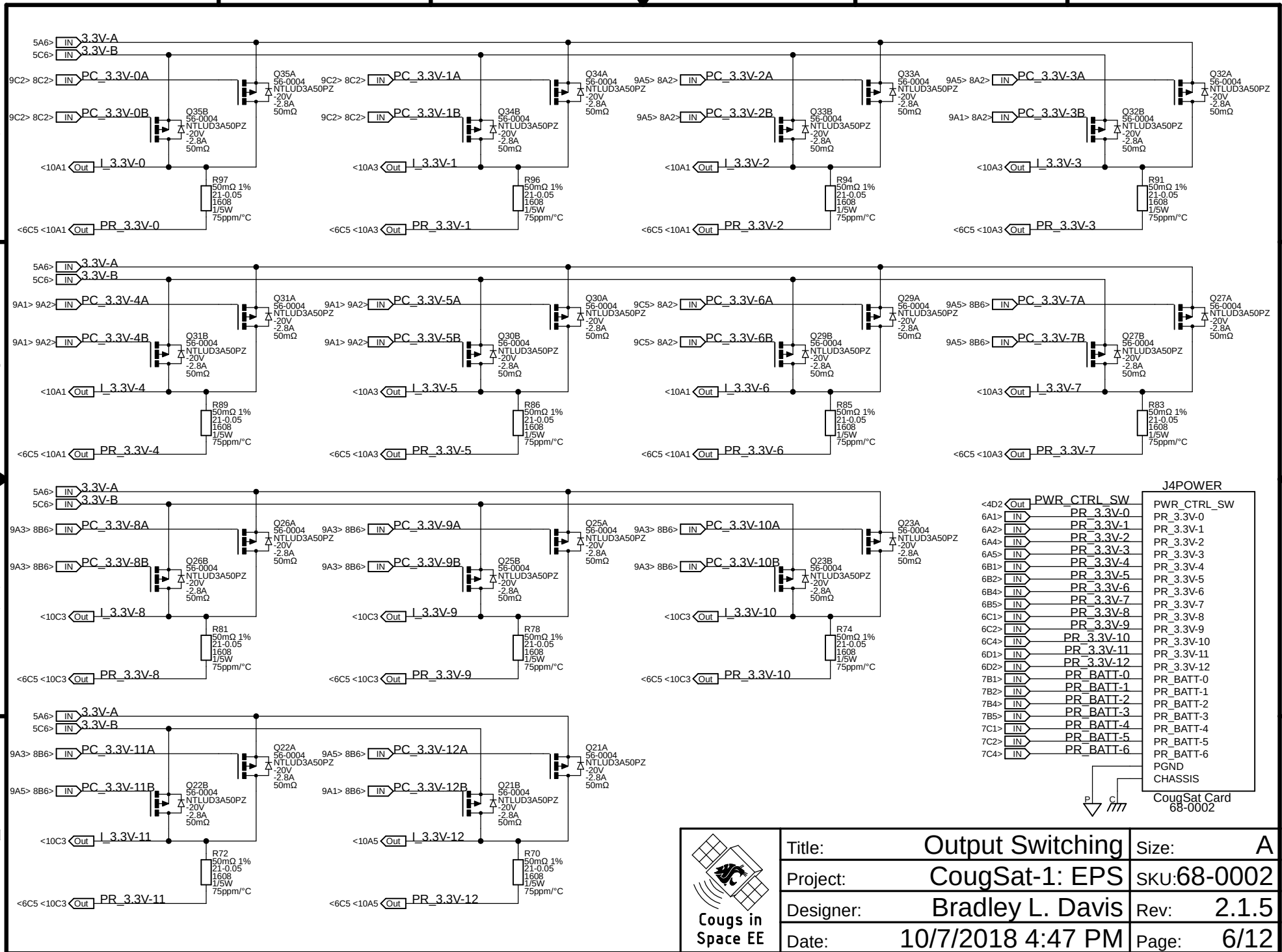
B

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C

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D



Title:	Output Switching	Size:	A
Project:	CougsSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
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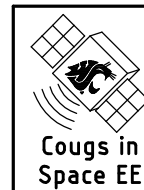
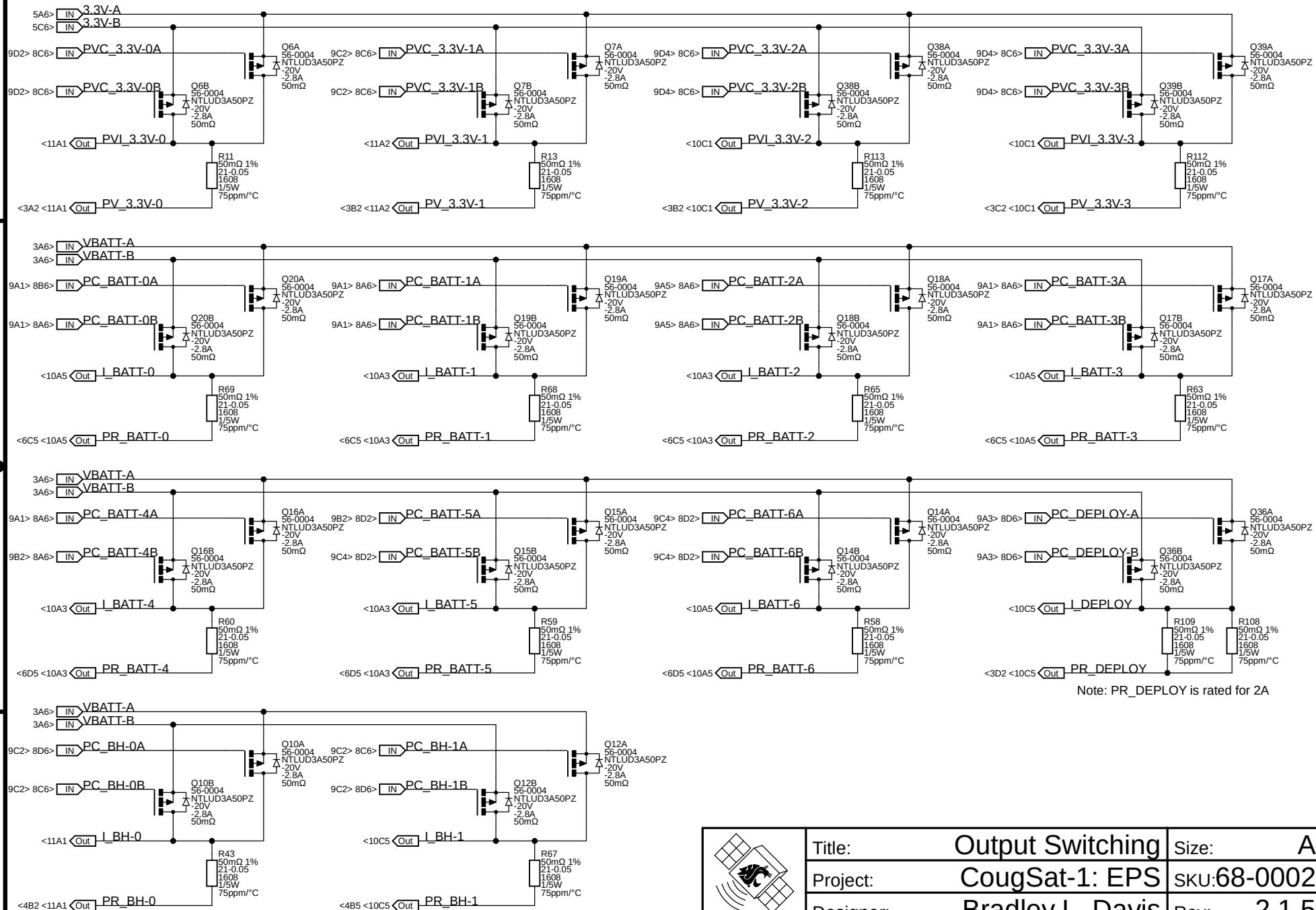
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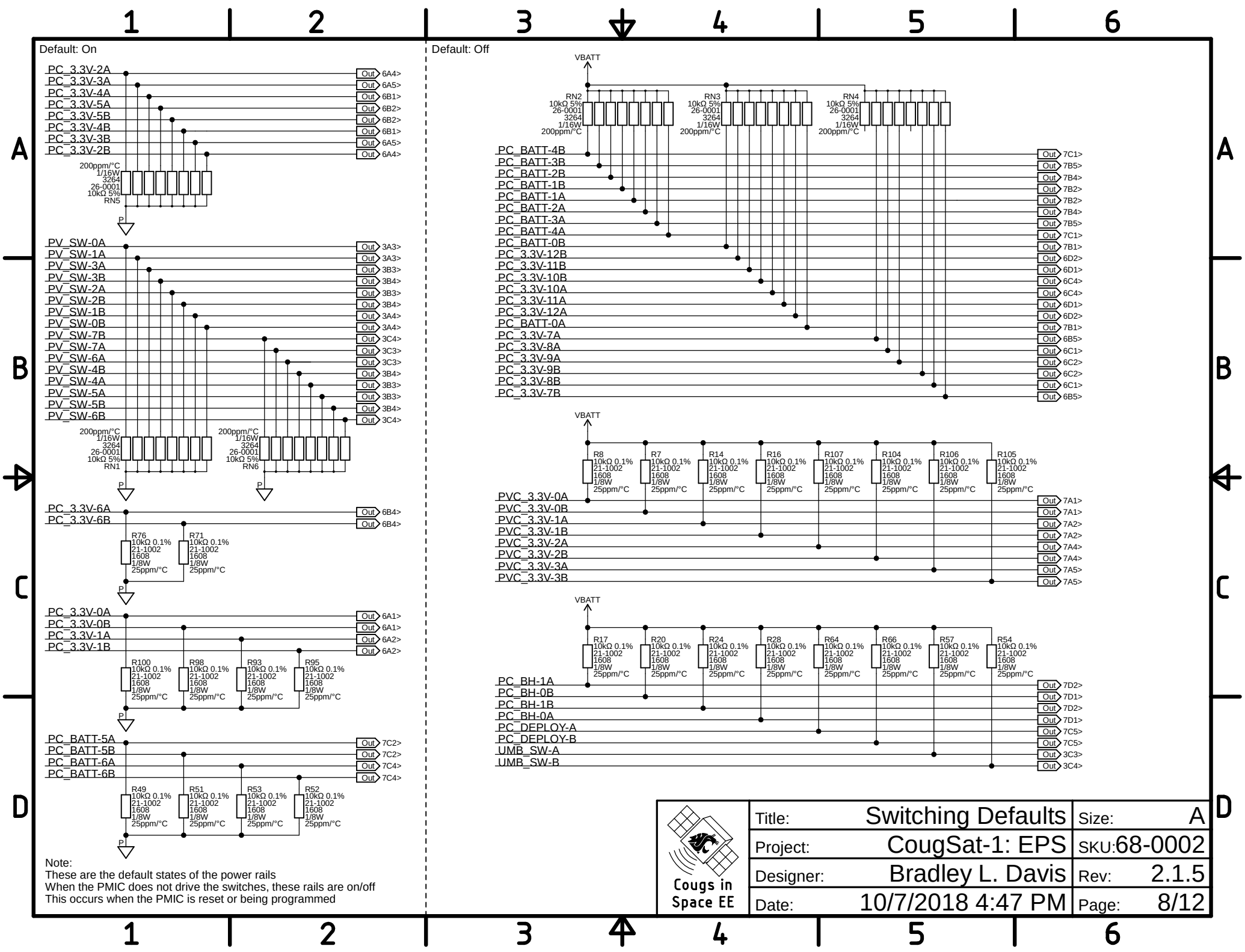
C

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D



Title:	Output Switching	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
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Default: On

Default: Off

PC_3.3V-2A
PC_3.3V-3A
PC_3.3V-4A
PC_3.3V-5A
PC_3.3V-5B
PC_3.3V-4B
PC_3.3V-3B
PC_3.3V-2B

PV_SW-0A
PV_SW-1A
PV_SW-3A
PV_SW-3B
PV_SW-2A
PV_SW-2B
PV_SW-1B
PV_SW-0B
PV_SW-7B
PV_SW-7A
PV_SW-6A
PV_SW-4B
PV_SW-4A
PV_SW-5A
PV_SW-5B
PV_SW-6B

PC_3.3V-6A
PC_3.3V-6B

PC_3.3V-0A
PC_3.3V-0B
PC_3.3V-1A
PC_3.3V-1B

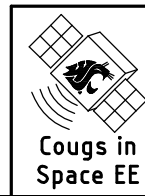
PC_BATT-5A
PC_BATT-5B
PC_BATT-6A
PC_BATT-6B

Note:
These are the default states of the power rails
When the PMIC does not drive the switches, these rails are on/off
This occurs when the PMIC is reset or being programmed

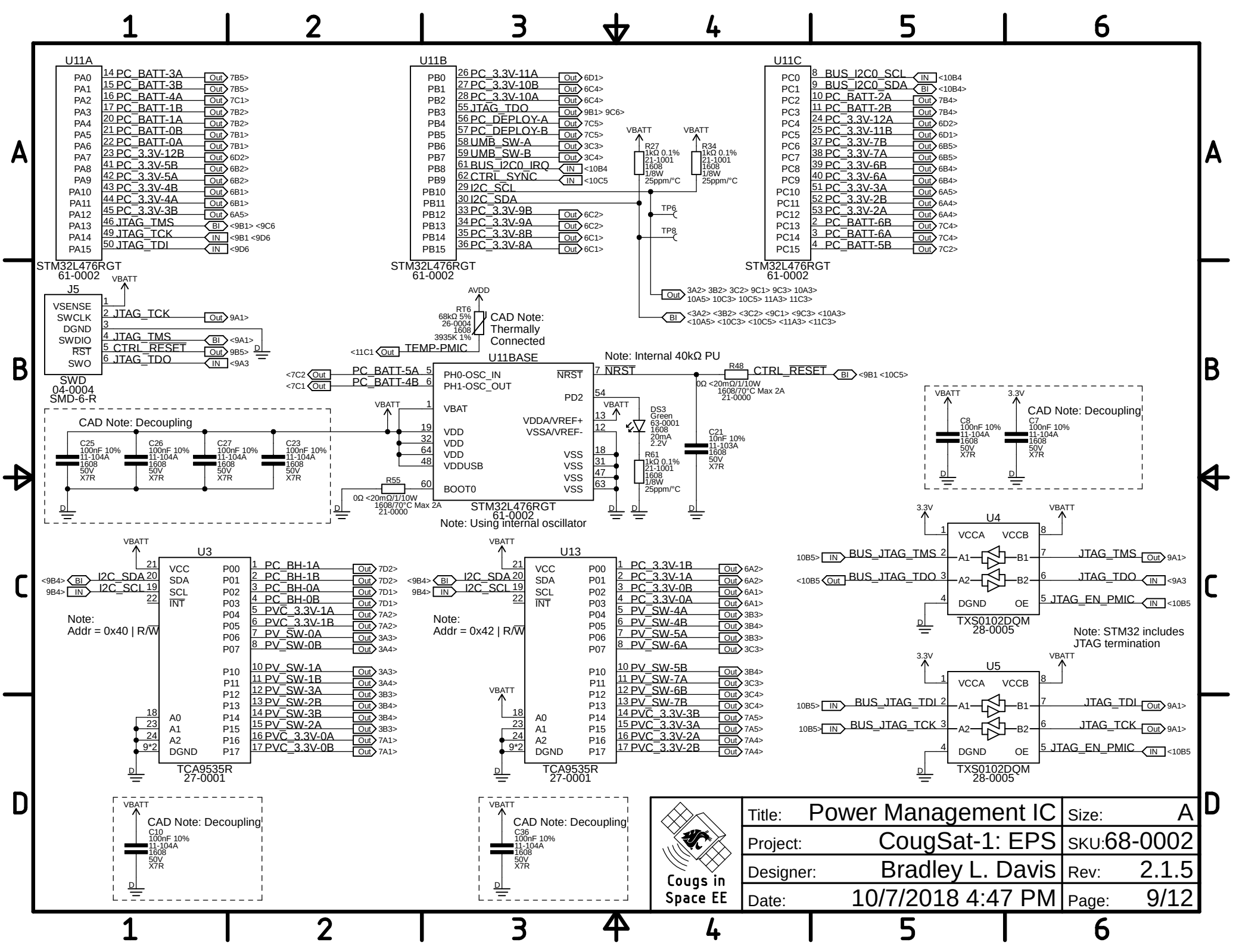
PC_BATT-4B
PC_BATT-3B
PC_BATT-2B
PC_BATT-1B
PC_BATT-1A
PC_BATT-2A
PC_BATT-3A
PC_BATT-4A
PC_BATT-0B
PC_3.3V-12B
PC_3.3V-11B
PC_3.3V-10B
PC_3.3V-10A
PC_3.3V-11A
PC_3.3V-12A
PC_BATT-0A
PC_3.3V-7A
PC_3.3V-8A
PC_3.3V-9A
PC_3.3V-9B
PC_3.3V-8B
PC_3.3V-7B

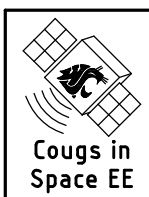
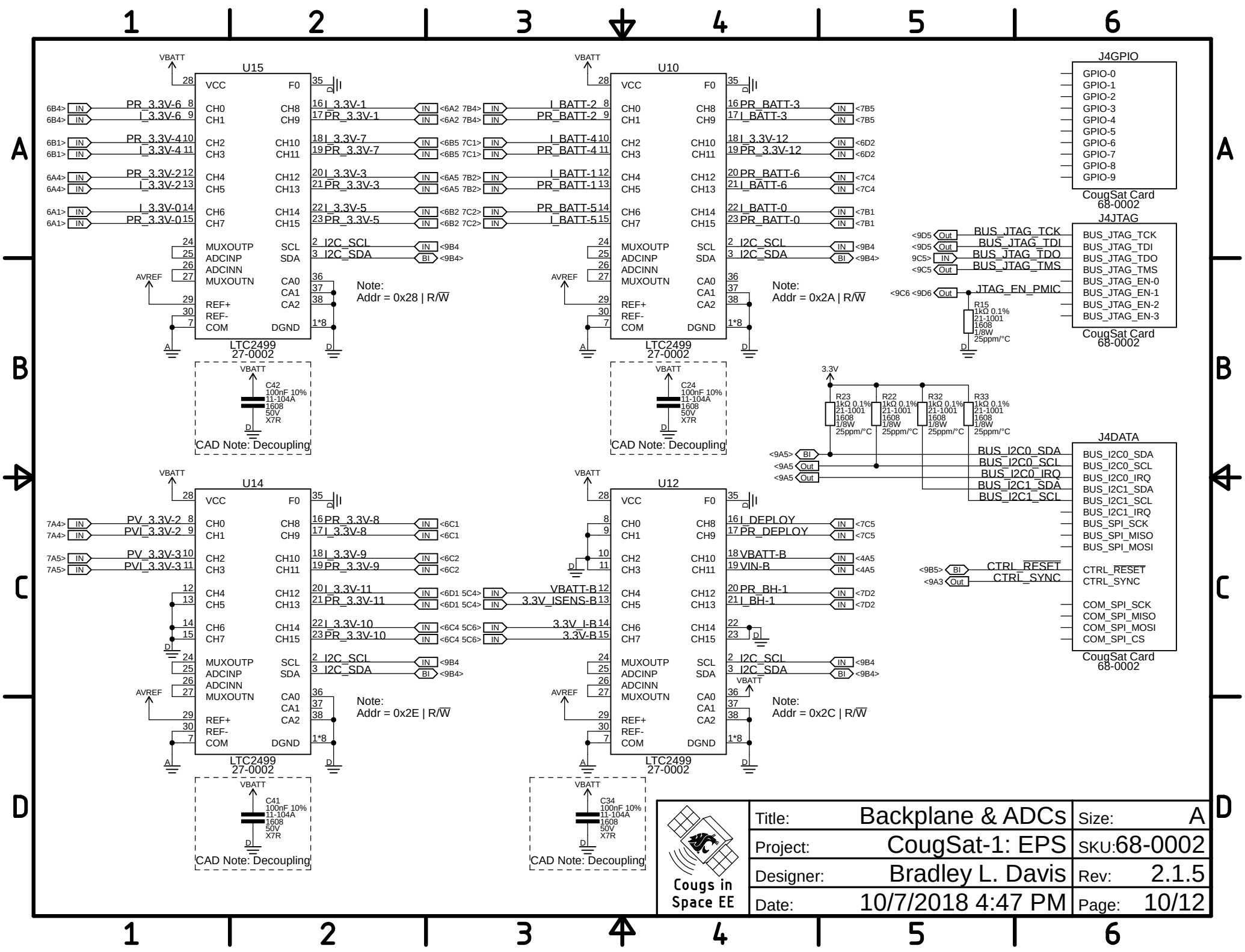
PVC_3.3V-0A
PVC_3.3V-0B
PVC_3.3V-1A
PVC_3.3V-1B
PVC_3.3V-2A
PVC_3.3V-2B
PVC_3.3V-3A
PVC_3.3V-3B

PC_BH-1A
PC_BH-0B
PC_BH-1B
PC_BH-0A
PC_DEPLOY-A
PC_DEPLOY-B
UMB_SW-A
UMB_SW-B



Title:	Switching Defaults	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
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Title:	Backplane & ADCs	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
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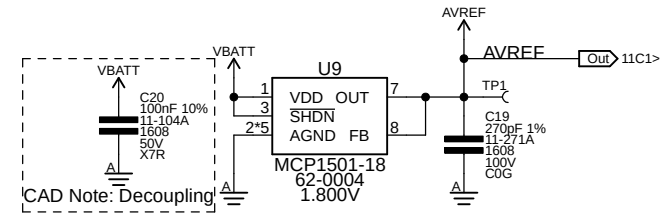
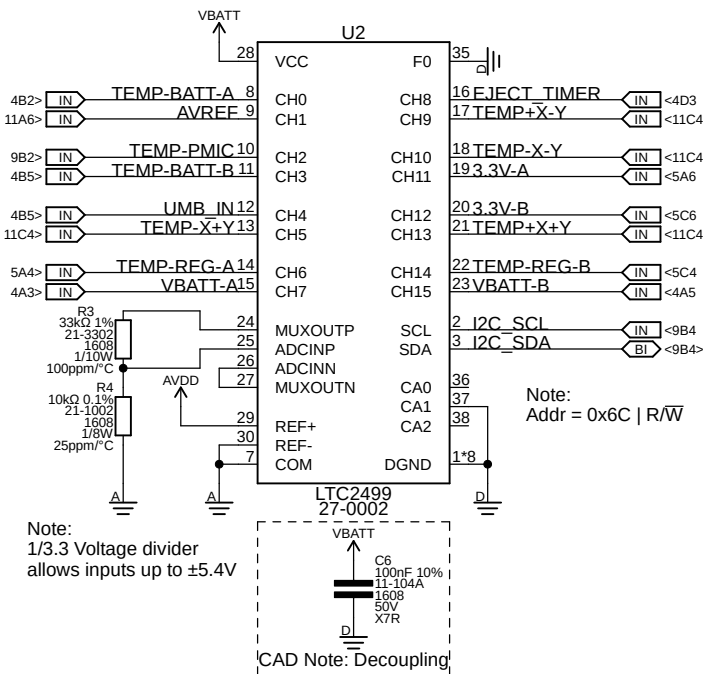
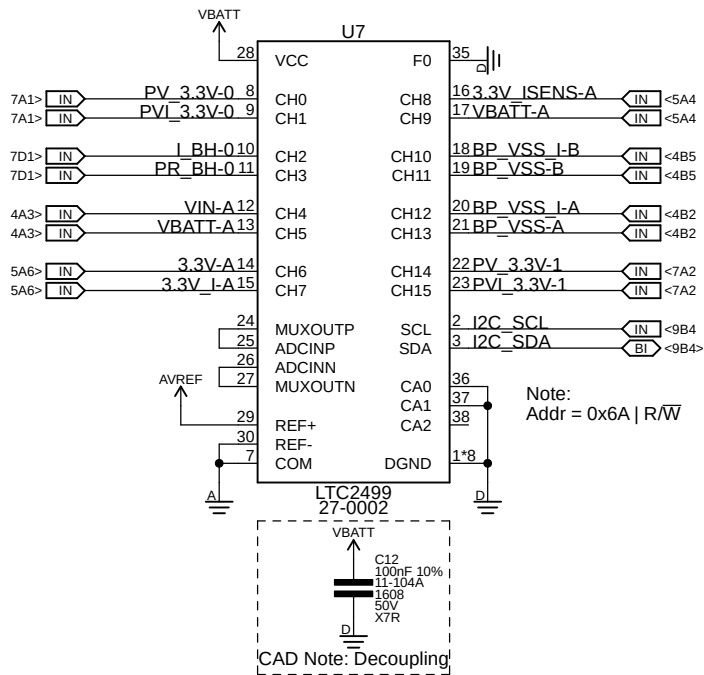
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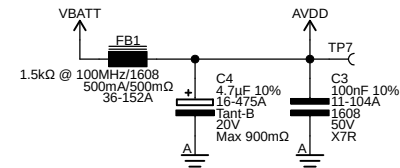
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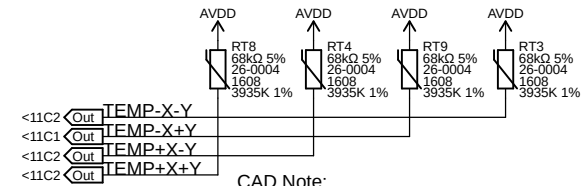
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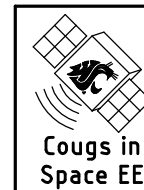
Note:
Differential ADC voltage reference is 1.800V
At 16b, 13.73μV/LSB
Maximum input is ±900mV



Note:
Single-Ended ADC voltage reference is 3.3V
At 16b, 25.18μV/LSB
Maximum input is ±1.65V



CAD Note:
Place in the corner of the PCB
that matches the connected
signal name, bottom side



Title:	ADCs	Size:	A
Project:	CougsSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
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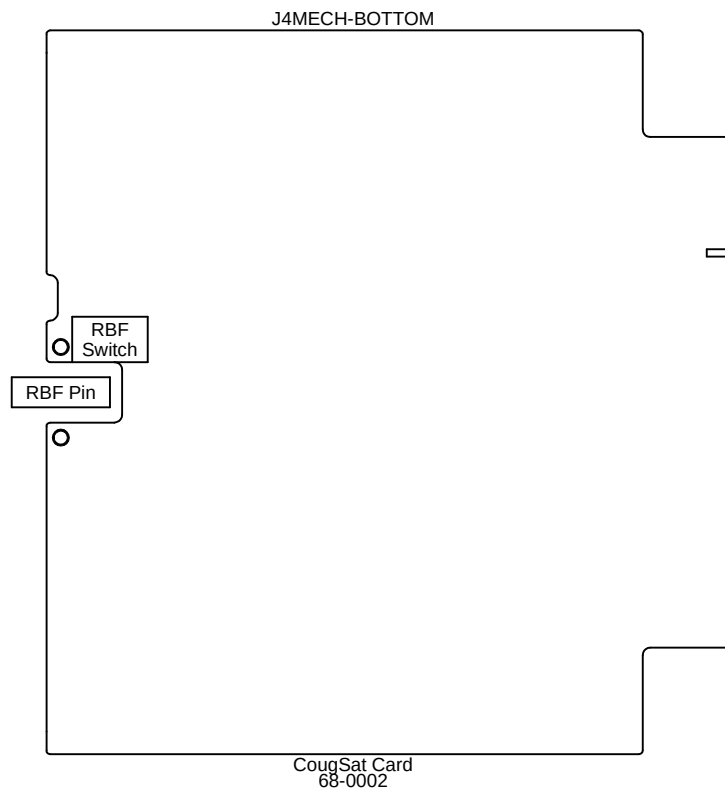
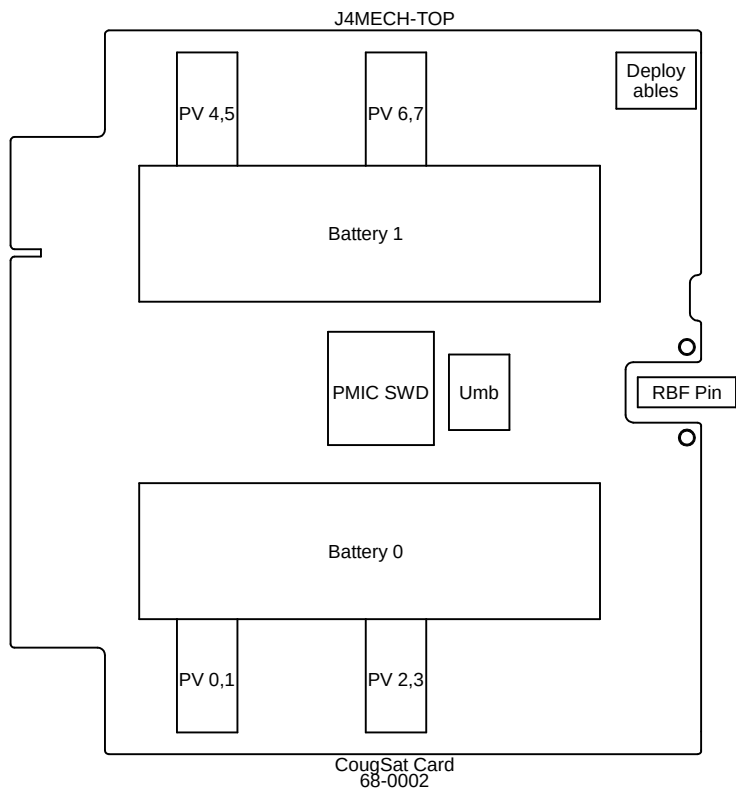
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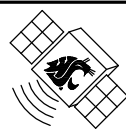


LOGO1
Satellite 16mm

Cougs in
Space

LOGO2

Signature



Cougs in
Space EE

Title:	Mechanical	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.5
Date:	10/7/2018 4:47 PM	Page:	12/12