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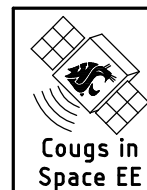
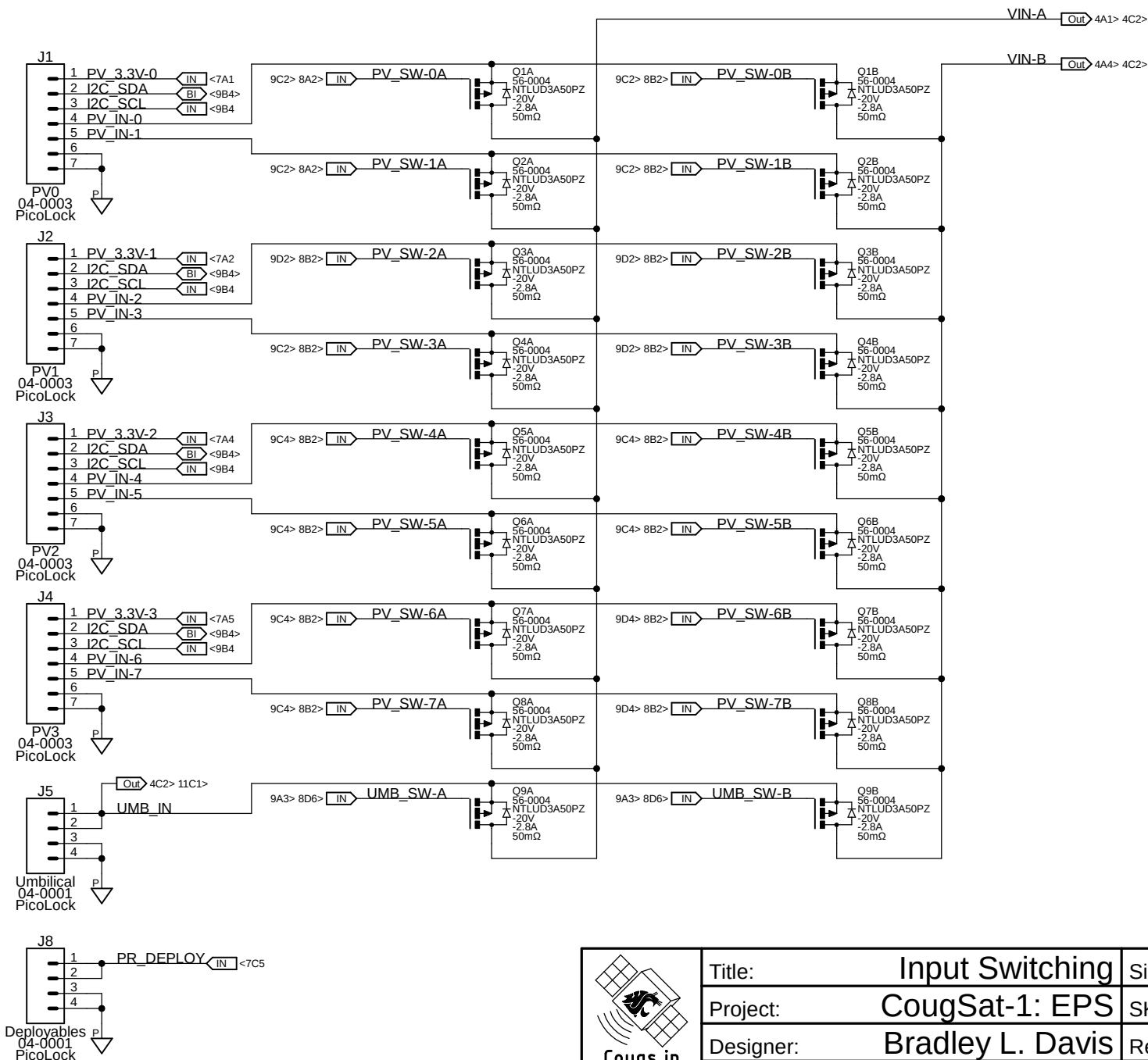
D

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D



Title:	Input Switching	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.3
Date:	9/22/2018 10:25 PM	Page:	3/12

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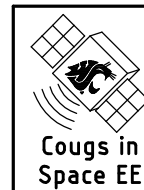
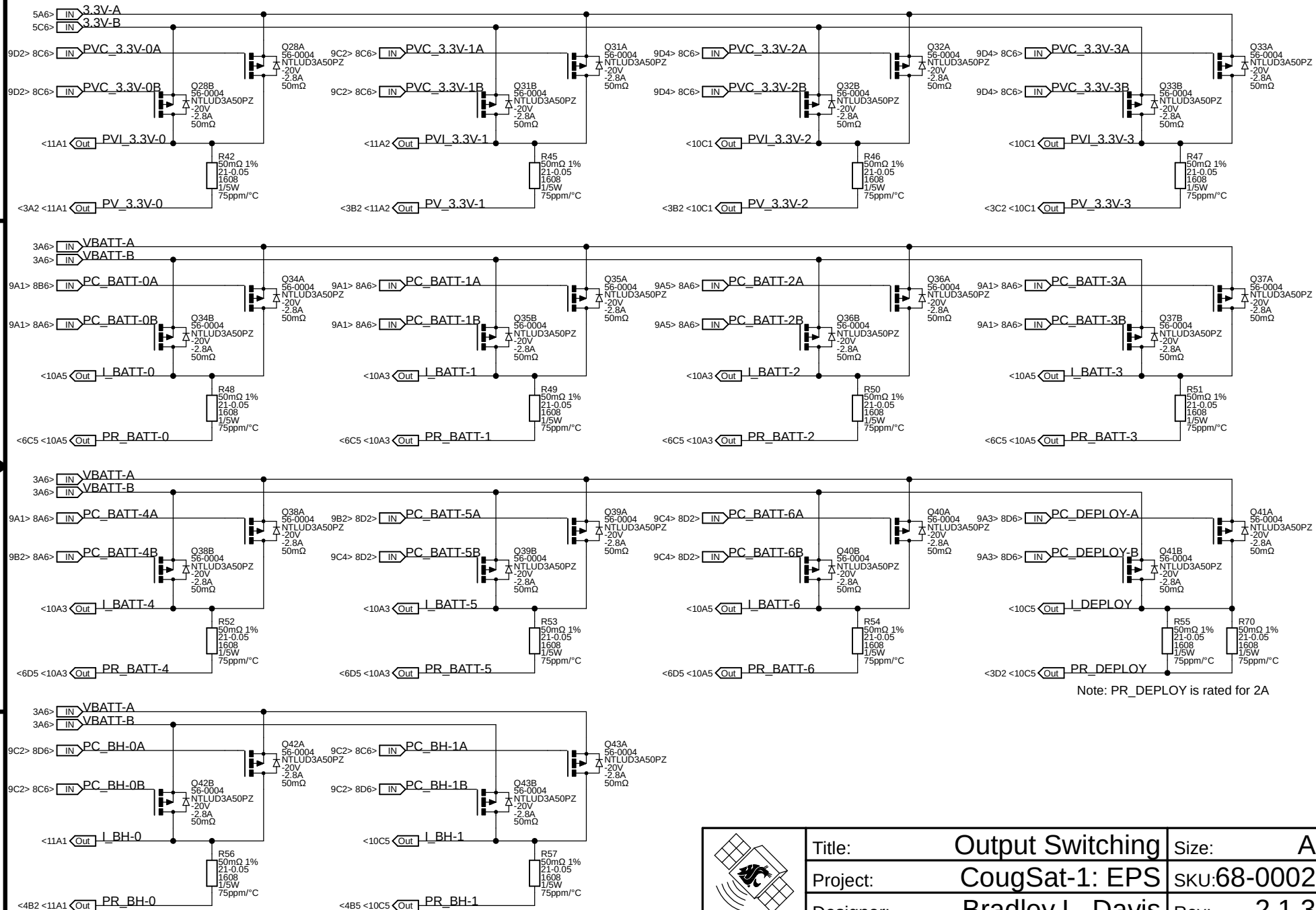
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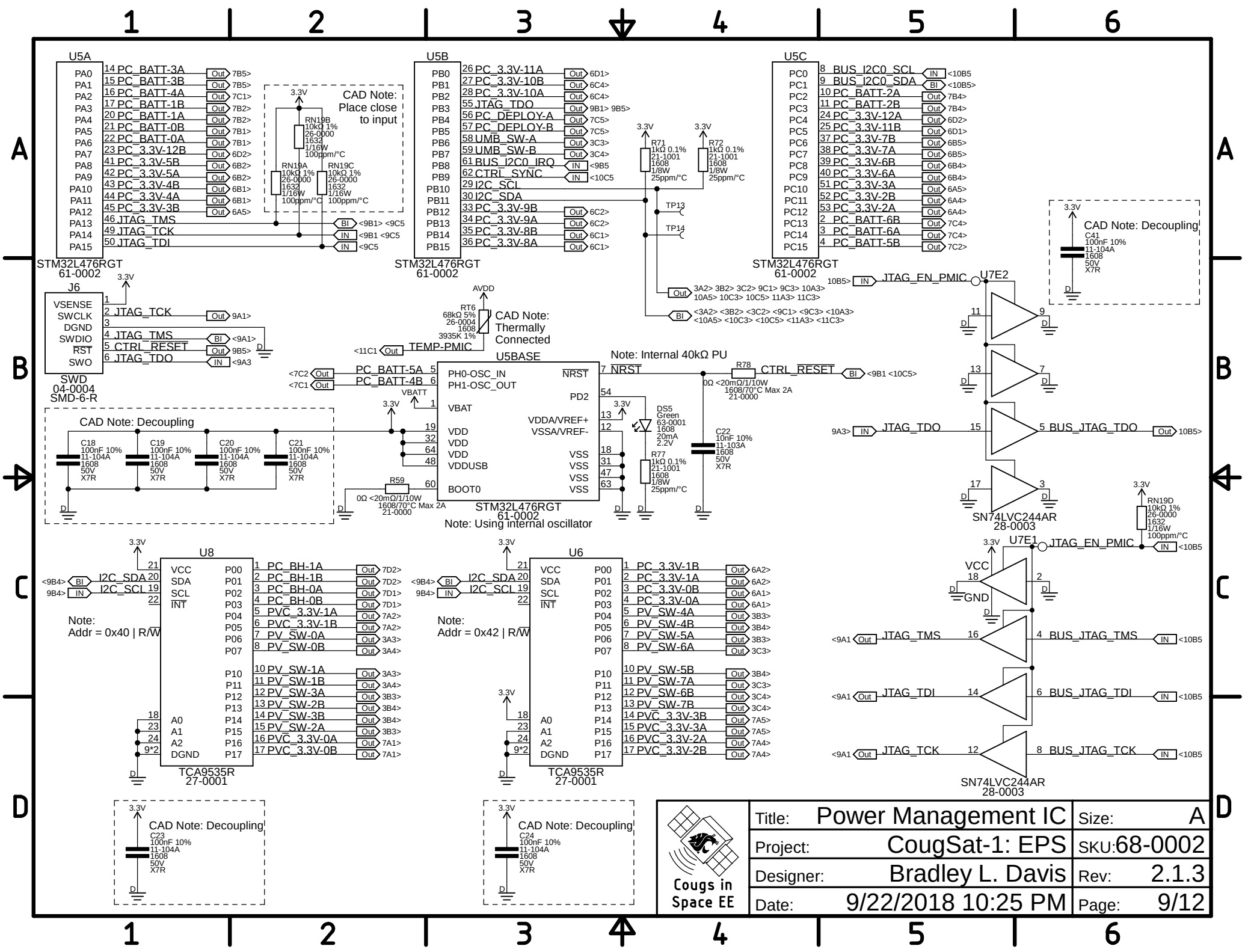
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Title:	Output Switching	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.3
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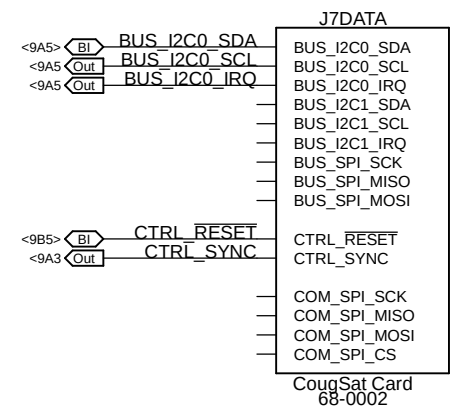
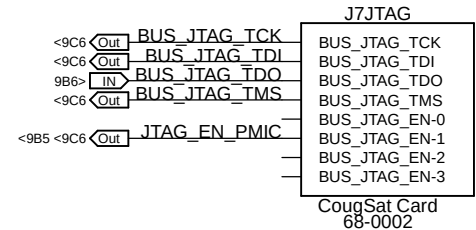
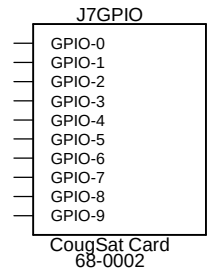
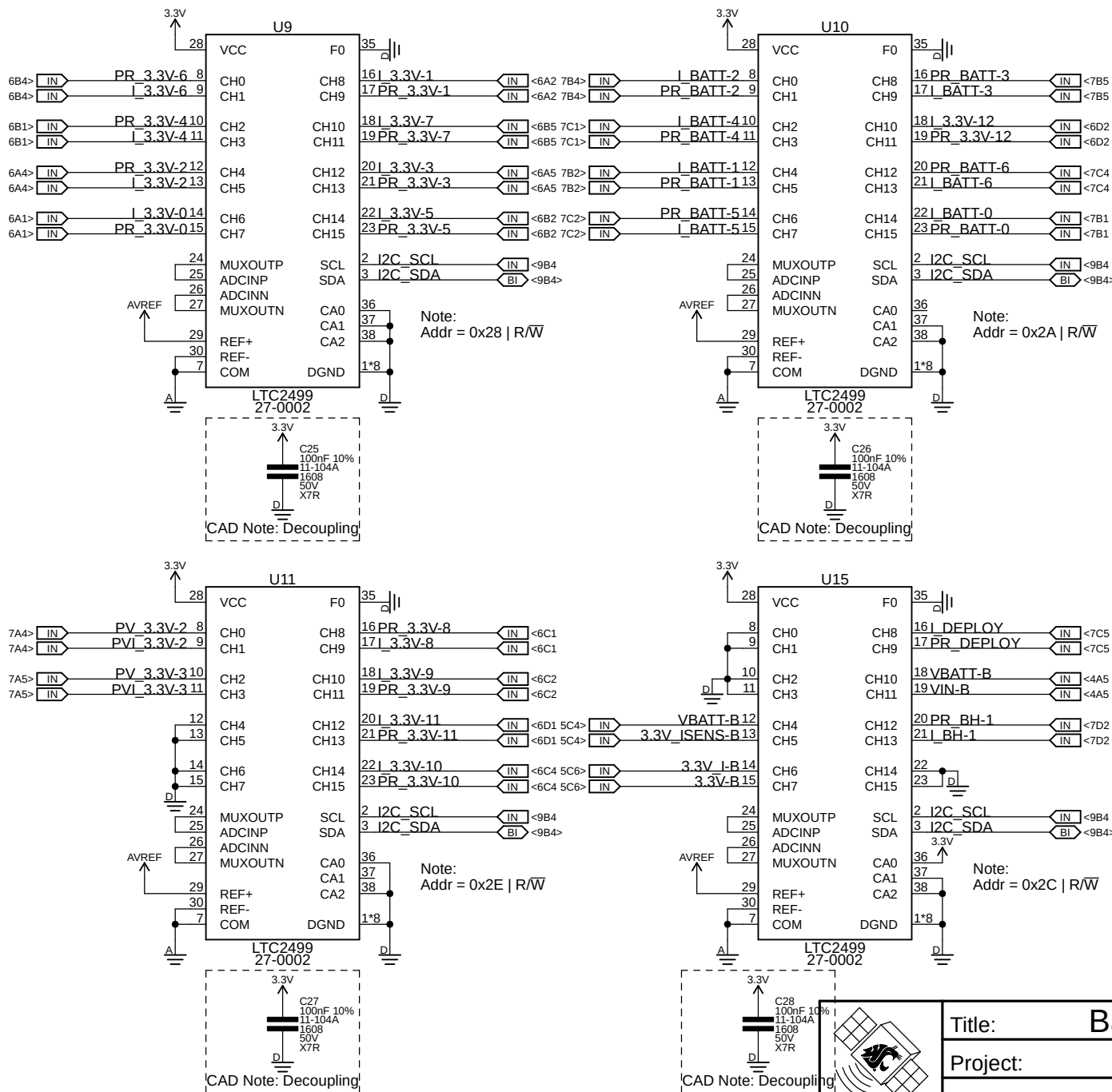
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Title:	Backplane & ADCs	Size:	A
Project:	Cougsat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.3
Date:	9/22/2018 10:25 PM	Page:	10/12

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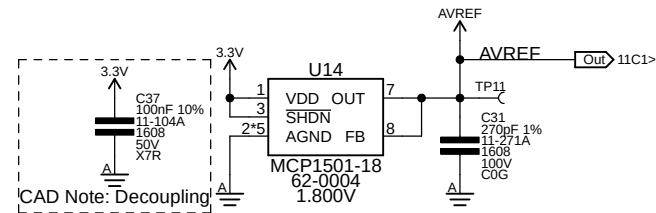
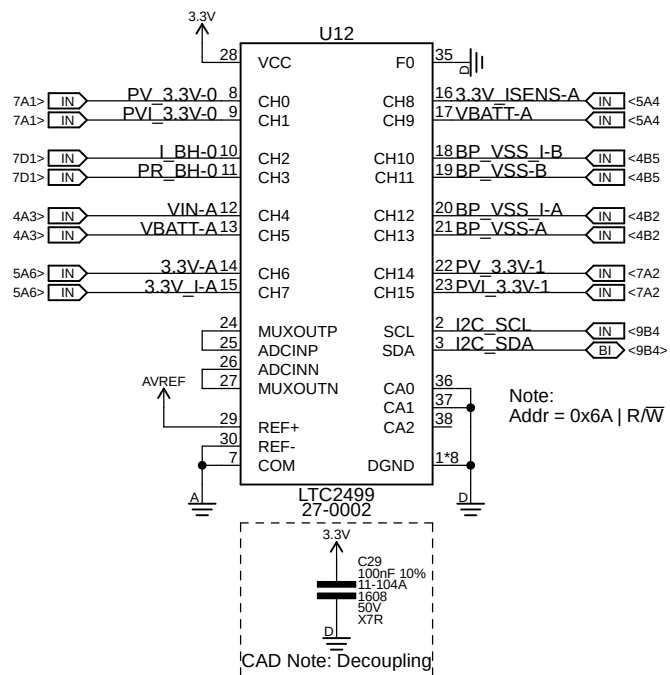
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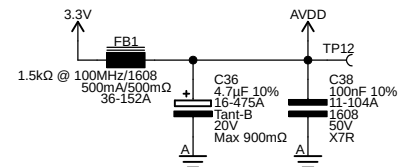
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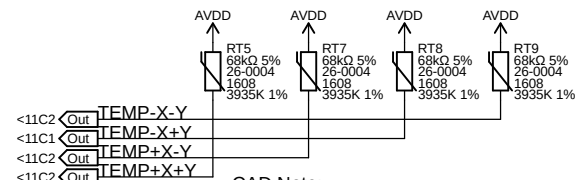
D



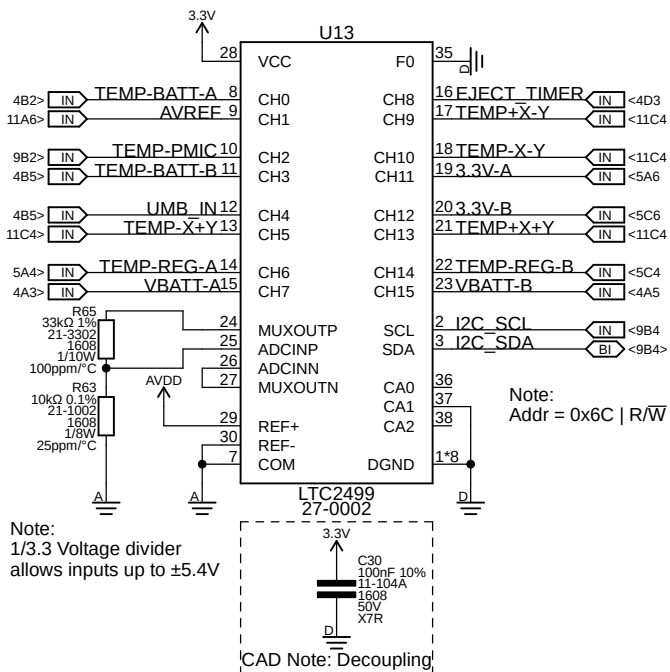
Note:
 Differential ADC voltage reference is 1.800V
 At 16b, 13.73μV/LSB
 Maximum input is ±900mV



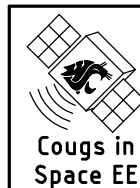
Note:
 Single-Ended ADC voltage reference is 3.3V
 At 16b, 25.18μV/LSB
 Maximum input is ±1.65V



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



Note:
 1/3.3 Voltage divider
 allows inputs up to ±5.4V



Title:	ADCs	Size:	A
Project:	CougsSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.3
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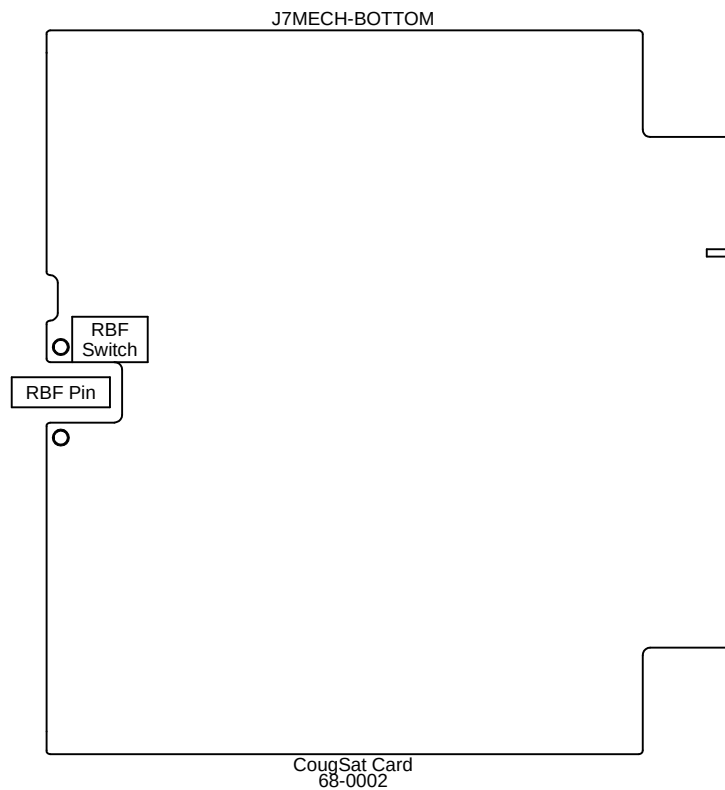
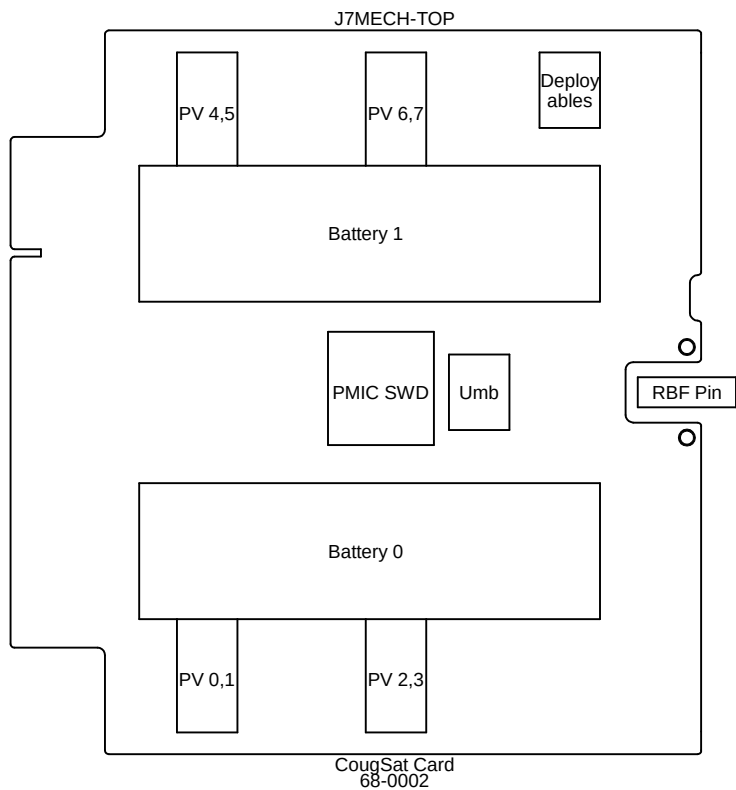
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D



LOGO1
Satellite 16mm

**Cougs in
Space**

LOGO2
Signature



Title:	Mechanical	Size:	A
Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.3
Date:	9/22/2018 10:25 PM	Page:	12/12