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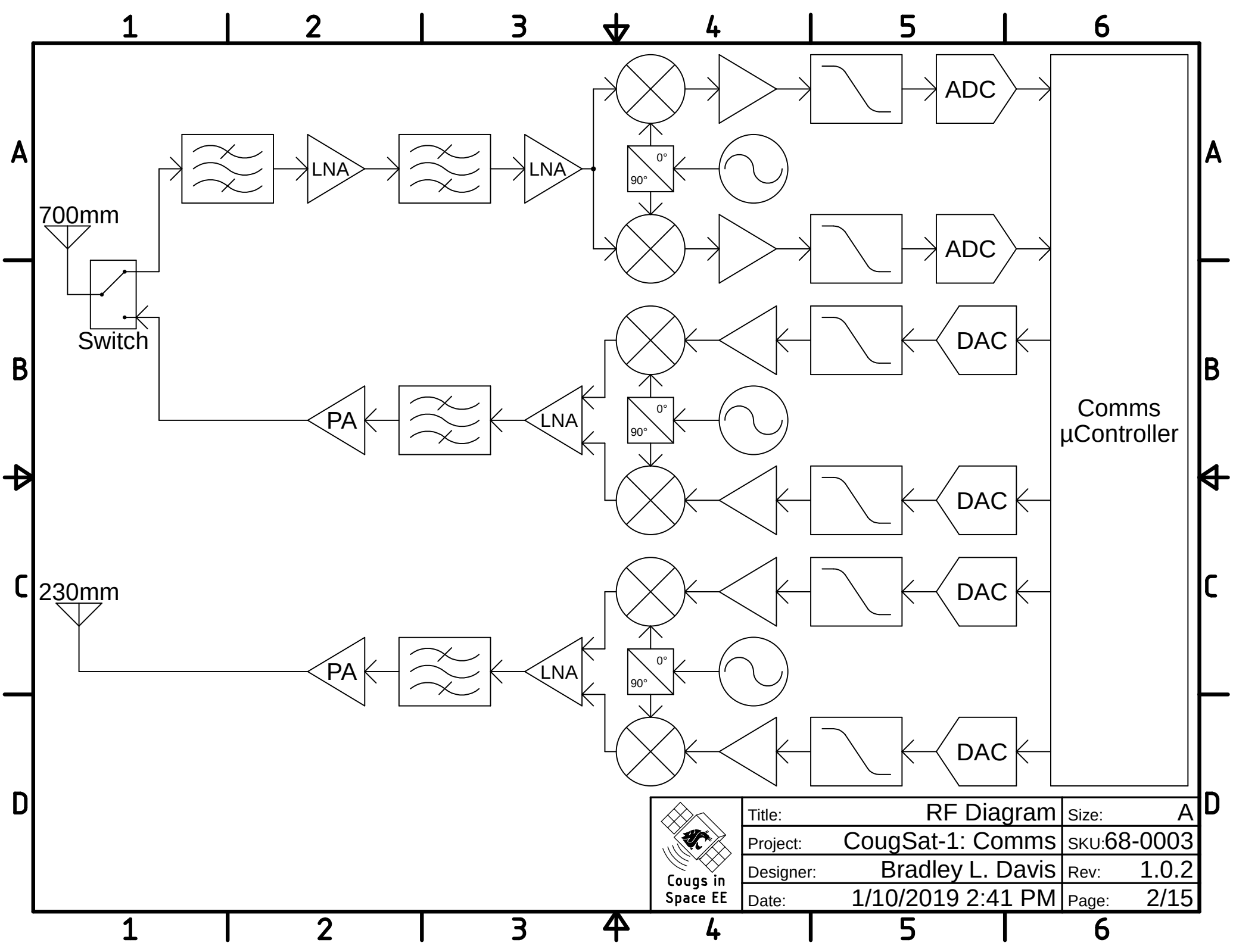
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Page 1: Block Diagram  
Page 2: RF Diagram  
Page 3: Power Rails  
Page 4:  $\mu$ Controller  
Page 5: ADCs  
Page 6: Regulators  
Page 7: Power Switching & LDOs  
Page 8: RF Clock Generators  
Page 9: Differential Drivers

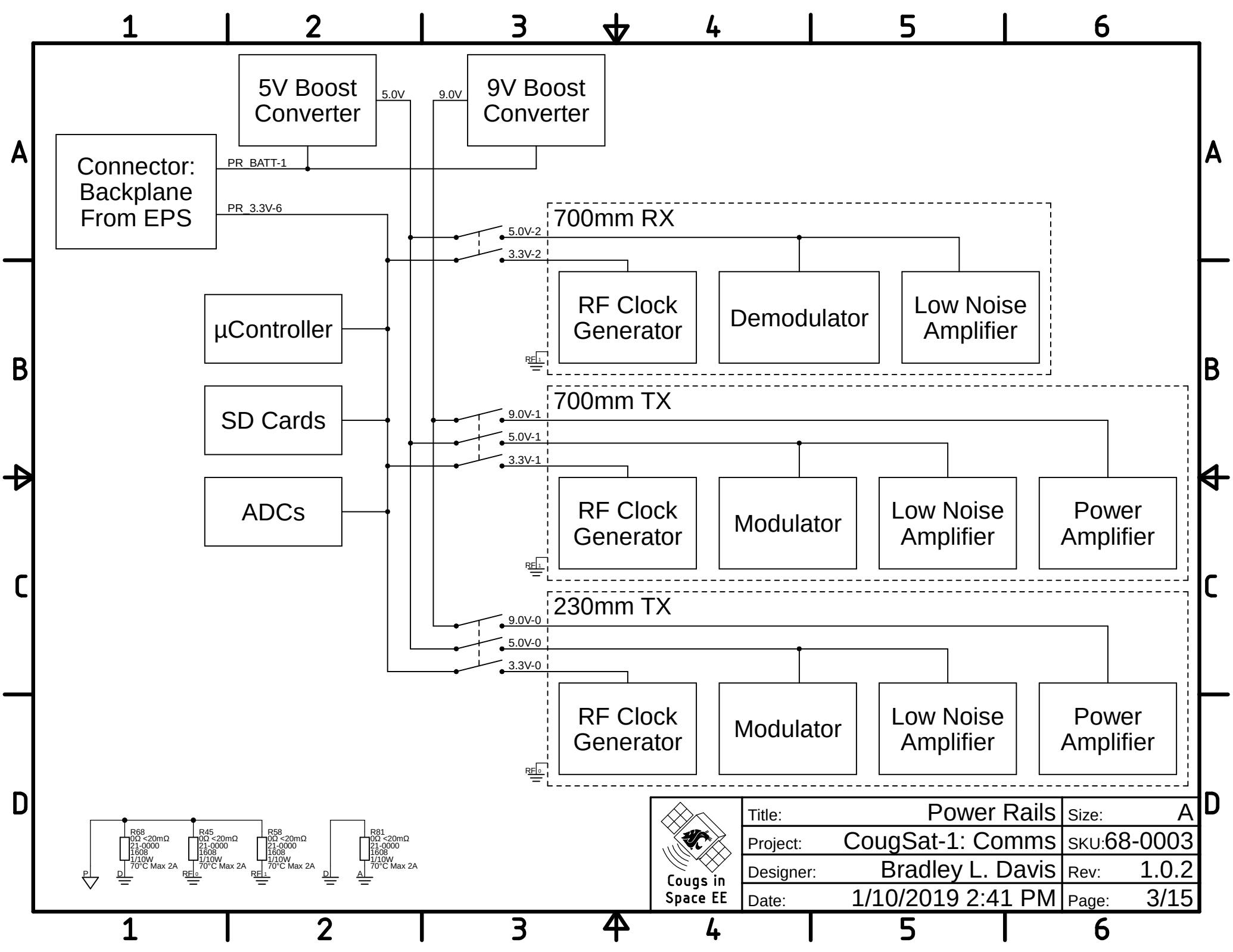
Page 10: 230mm Downlink  
Page 11: 700mm Downlink  
Page 12: 700mm Downlink Amplifiers  
Page 13: Demodulator  
Page 14: Flash Memory  
Page 15: Mechanical



Title:	Block Diagram	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.2
Date:	1/10/2019 2:41 PM	Page:	1/15



Title:	RF Diagram		Size:	A
Project:	CougSat-1: Comms		SKU:	68-0003
Designer:	Bradley L. Davis		Rev:	1.0.2
Date:	1/10/2019 2:41 PM		Page:	2/15



Title:	Power Rails		Size:	A
Project:	CougSat-1: Comms		SKU:	68-0003
Designer:	Bradley L. Davis		Rev:	1.0.2
Date:	1/10/2019 2:41 PM		Page:	3/15





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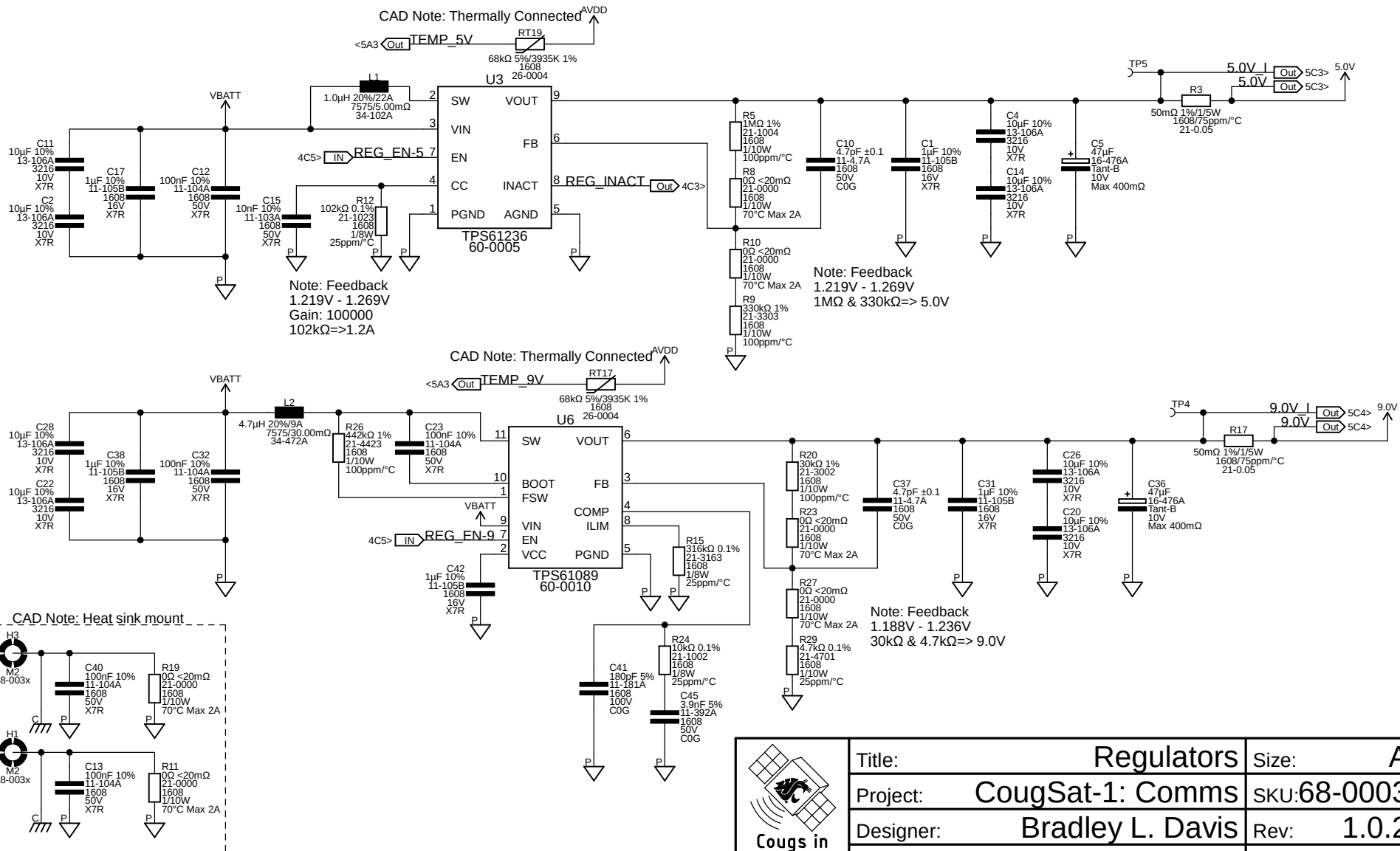
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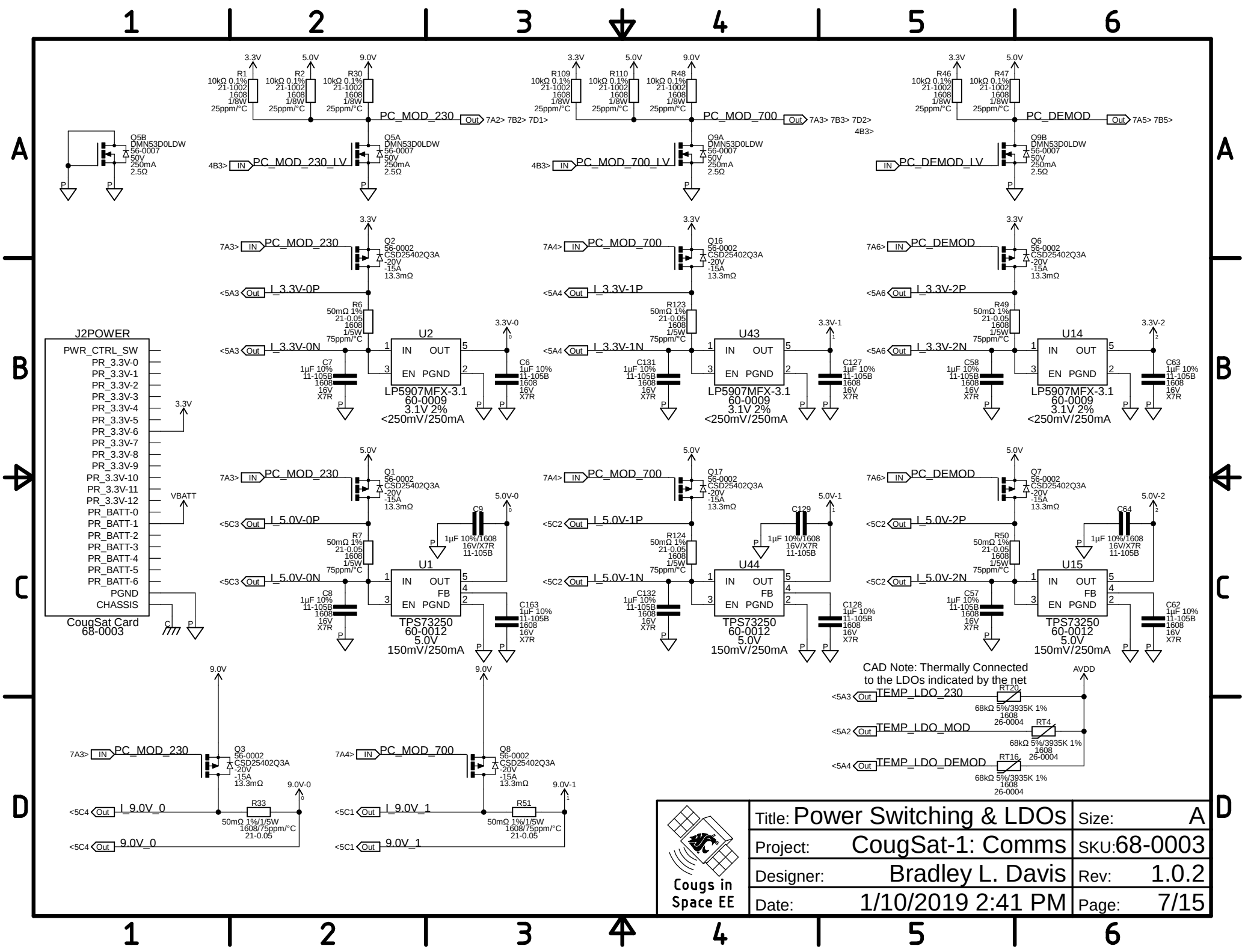
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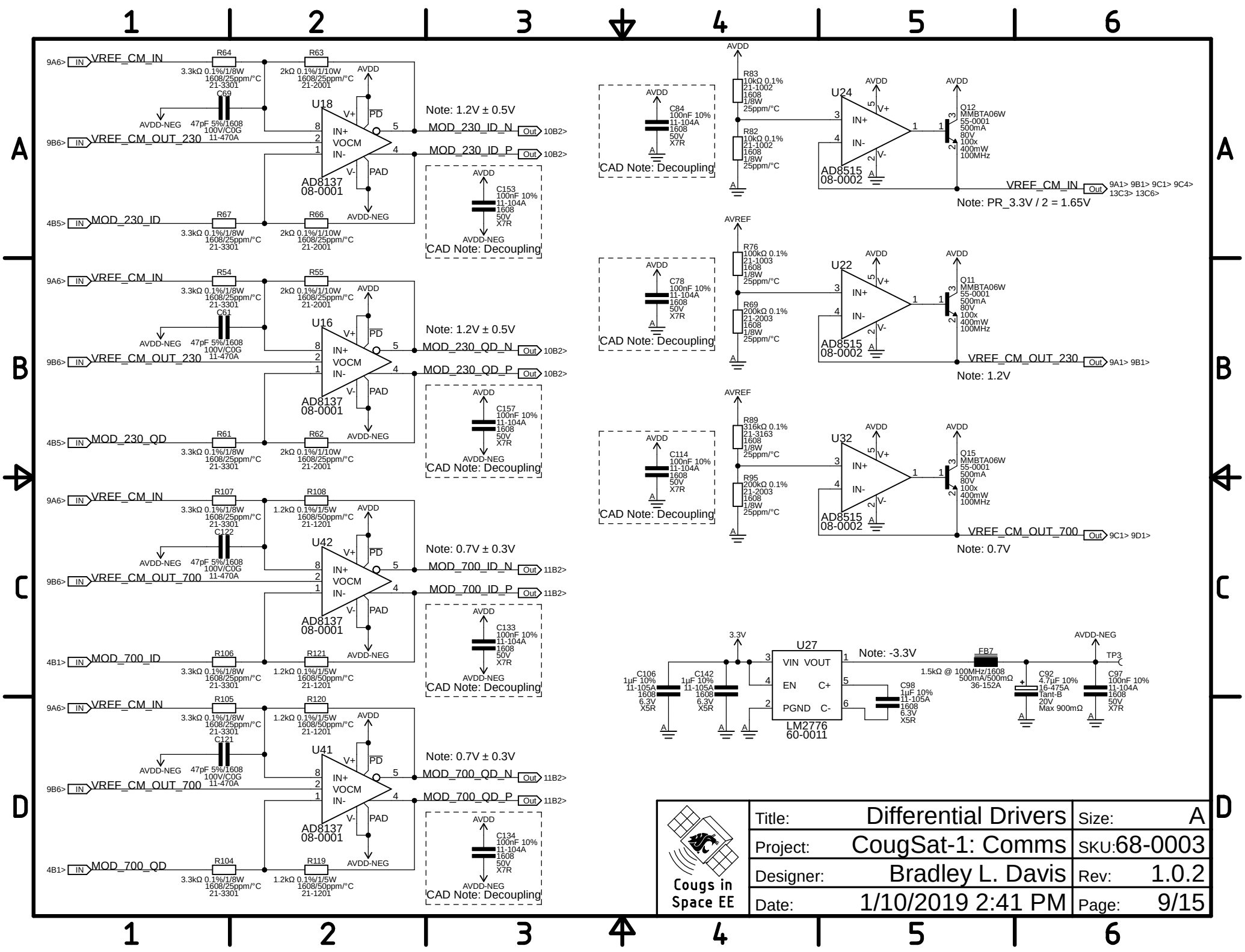
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Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.2
Date:	1/10/2019 2:41 PM	Page:	6/15




 Coug in Space EE	Title: Power Switching & LDOs		Size: A
	Project: CougSat-1: Comms		SKU:68-0003
	Designer: Bradley L. Davis		Rev: 1.0.2
	Date: 1/10/2019 2:41 PM		Page: 7/15







 Cougs in Space EE	Title:	Differential Drivers	Size:	A
	Project:	CougSat-1: Comms	SKU:	68-0003
	Designer:	Bradley L. Davis	Rev:	1.0.2
	Date:	1/10/2019 2:41 PM	Page:	9/15









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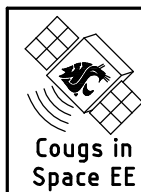
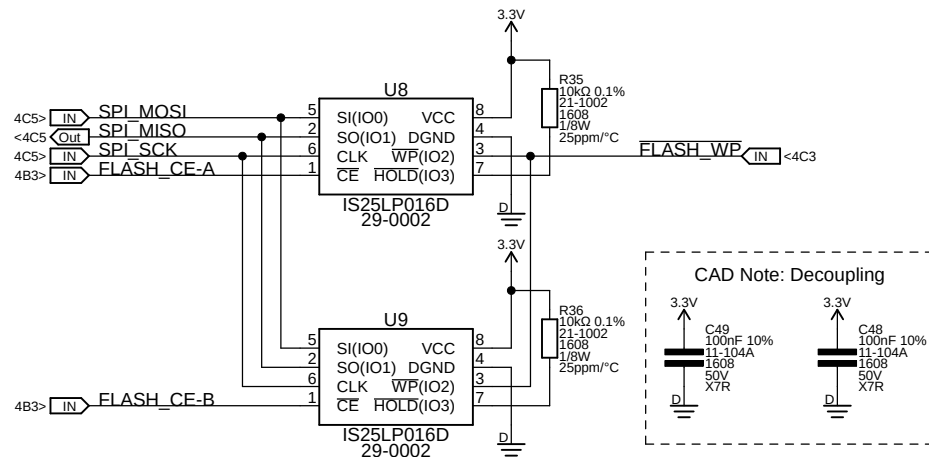
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Title:	Flash Memory	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.2
Date:	1/10/2019 2:41 PM	Page:	14/15

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J2MECH-TOP

J2MECH-BOTTOM

230mm  
RF Circuits

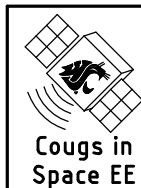
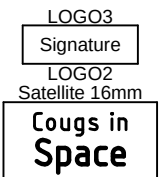
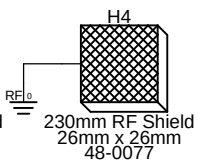
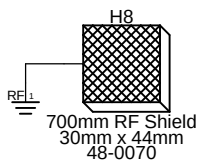
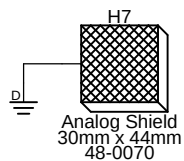
230mm Coax □

700mm Coax □

μController  
Analog Circuits

700mm RF Circuits

SWD

CougSat Card  
68-0003CougSat Card  
68-0003

Title:	Mechanical	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.2
Date:	1/10/2019 2:41 PM	Page:	15/15