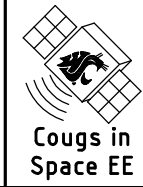
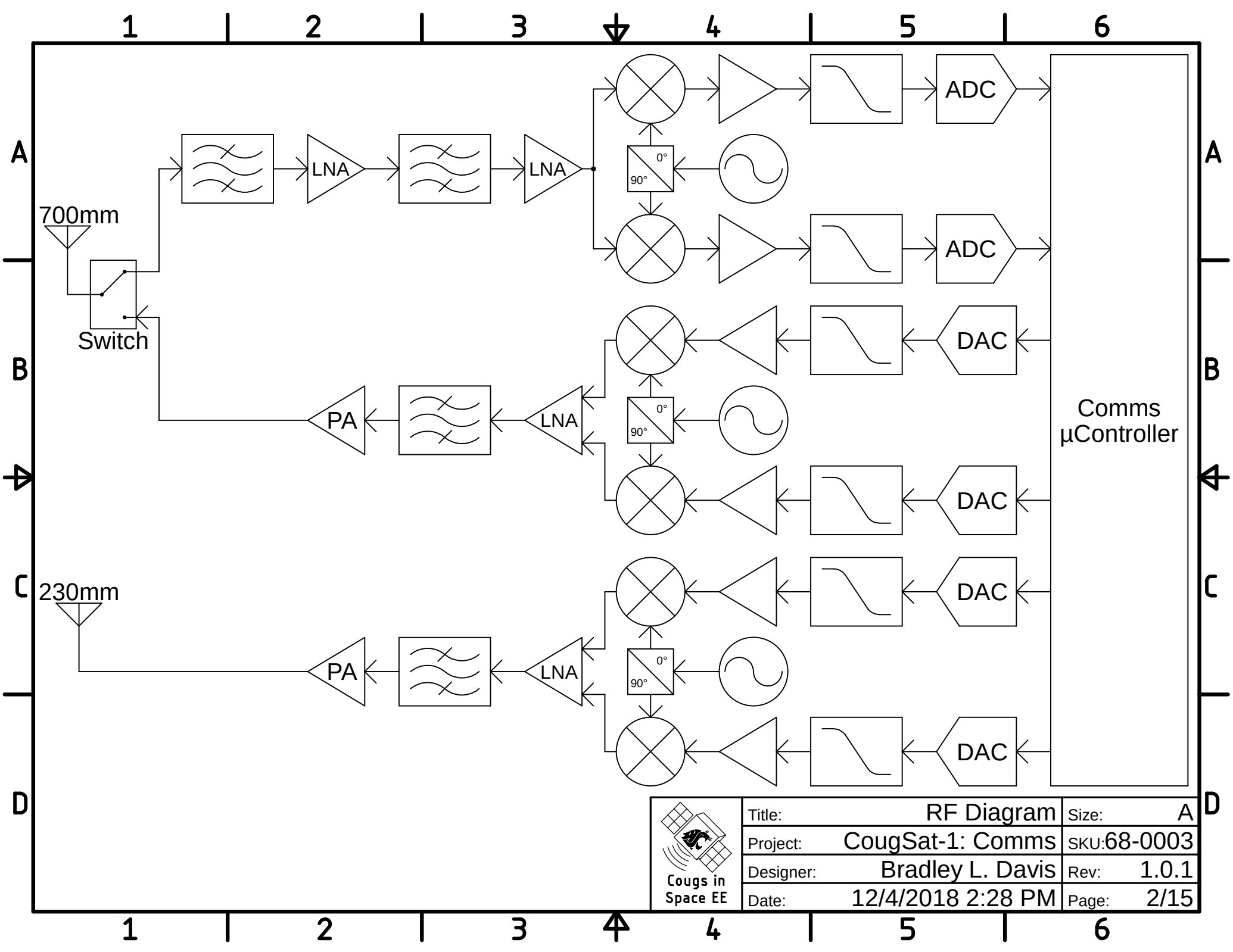


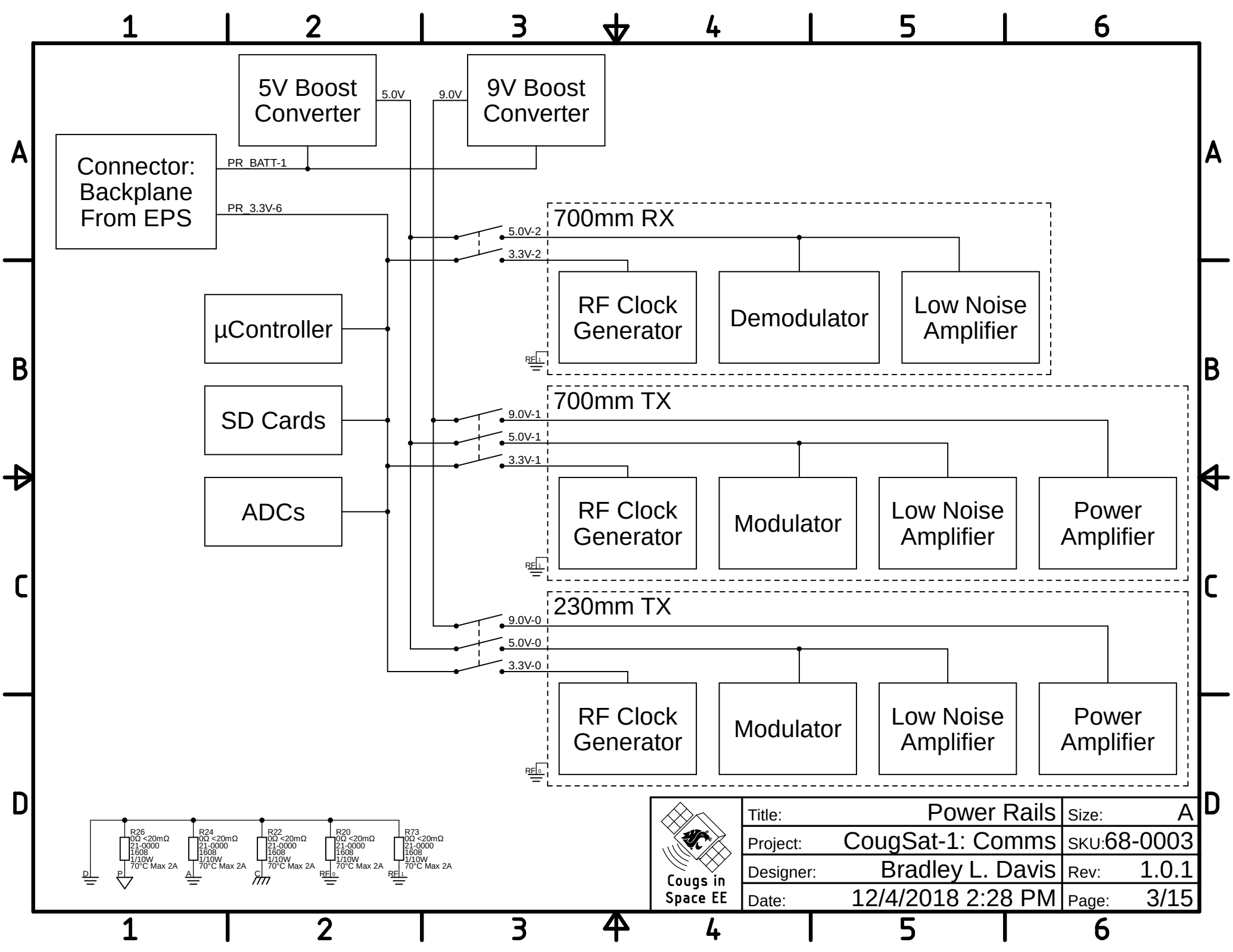
Page 1: Block Diagram	Page 10: 230mm Downlink
Page 2: RF Diagram	Page 11: 700mm Downlink
Page 3: Power Rails	Page 12: 700mm Downlink Amplifiers
Page 4: μ Controller	Page 13: Demodulator
Page 5: ADCs	Page 14: SD Cards
Page 6: Regulators	Page 15: Mechanical
Page 7: Power Switching & LDOs	
Page 8: RF Clock Generators	
Page 9: Differential Drivers	

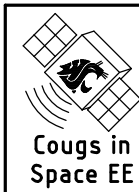


Title:	Block Diagram	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
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Title:	RF Diagram		Size:	A
Project:	CougSat-1: Comms		SKU:	68-0003
Designer:	Bradley L. Davis		Rev:	1.0.1
Date:	12/4/2018 2:28 PM		Page:	2/15





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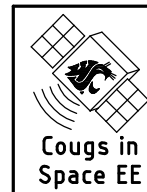
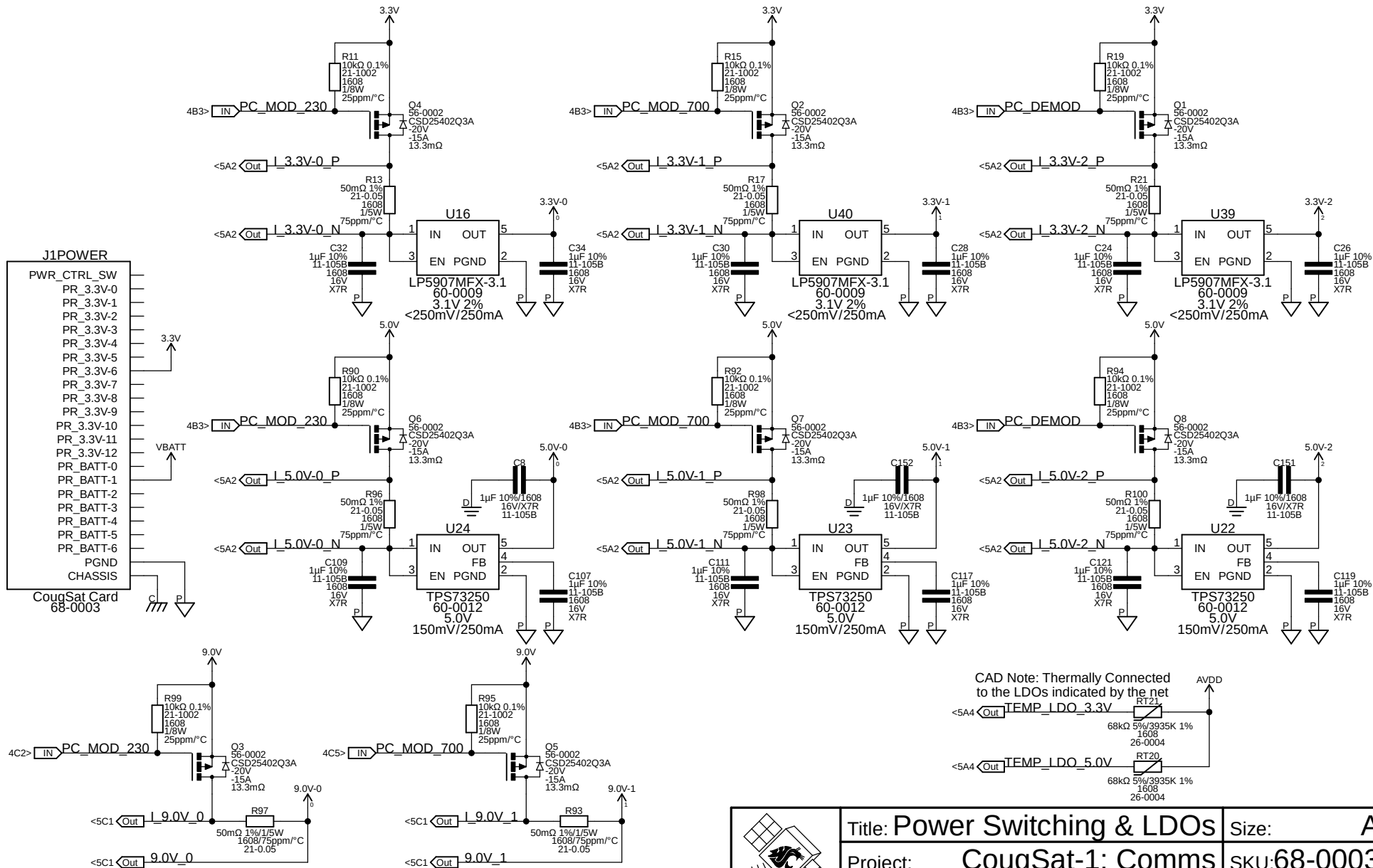
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Title: Power Switching & LDOs	Size: A
Project: CougSat-1: Comms	SKU:68-0003
Designer: Bradley L. Davis	Rev: 1.0.1
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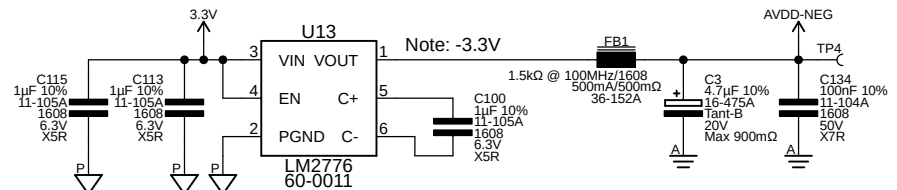
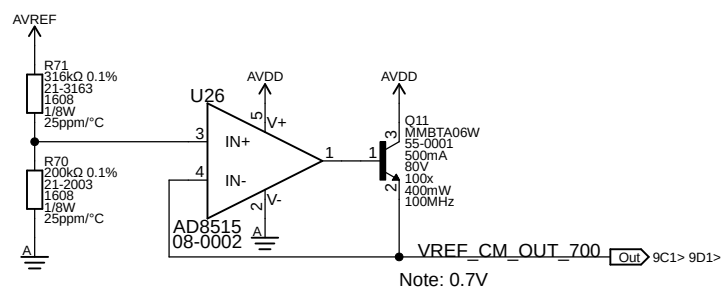
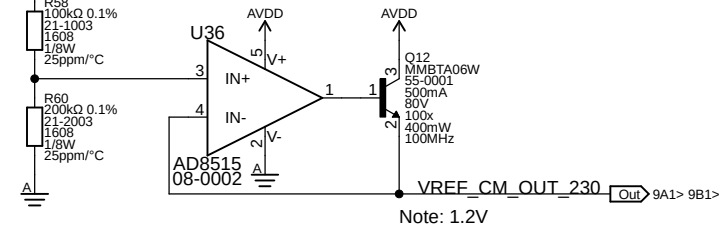
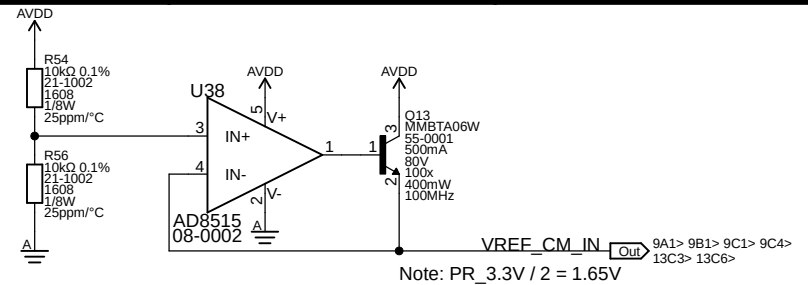
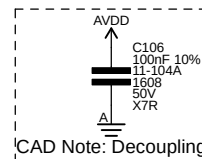
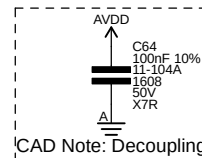
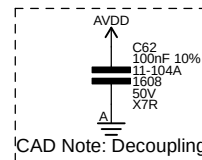
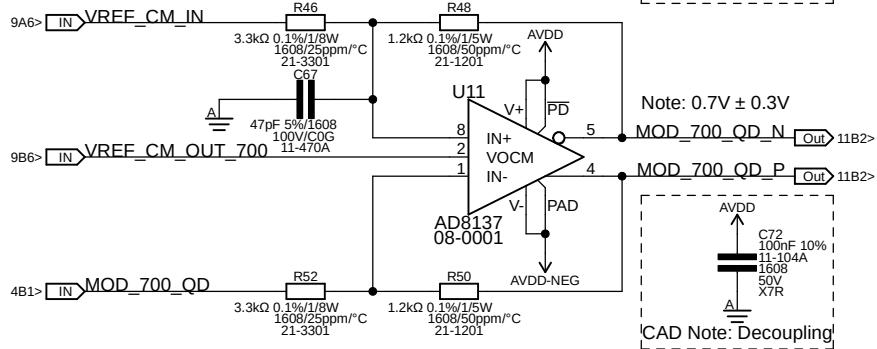
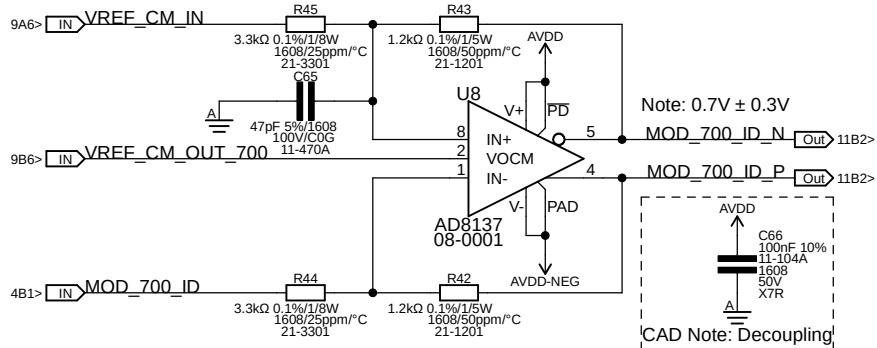
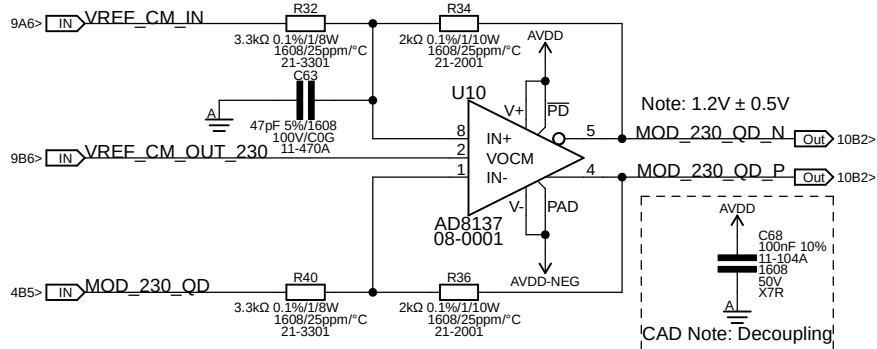
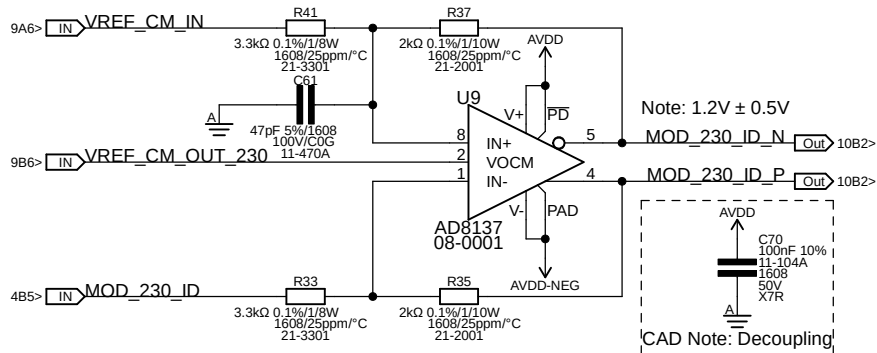
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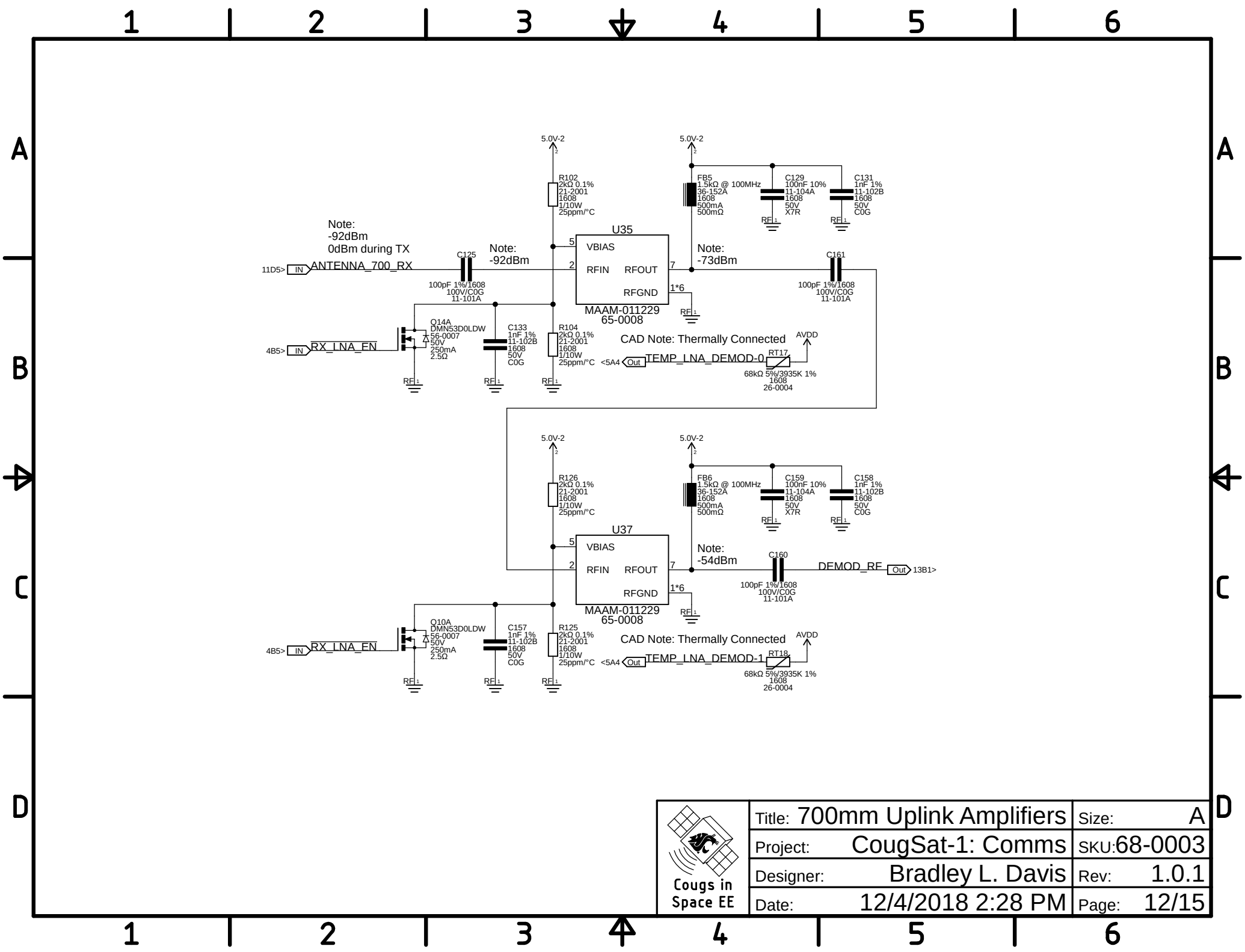
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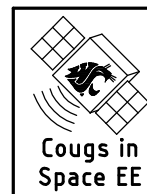
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Project:	CougsSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
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Title: 700mm Uplink Amplifiers	Size: A
Project: CougSat-1: Comms	SKU:68-0003
Designer: Bradley L. Davis	Rev: 1.0.1
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Title:	Demodulator	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
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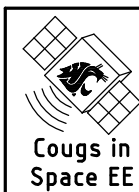
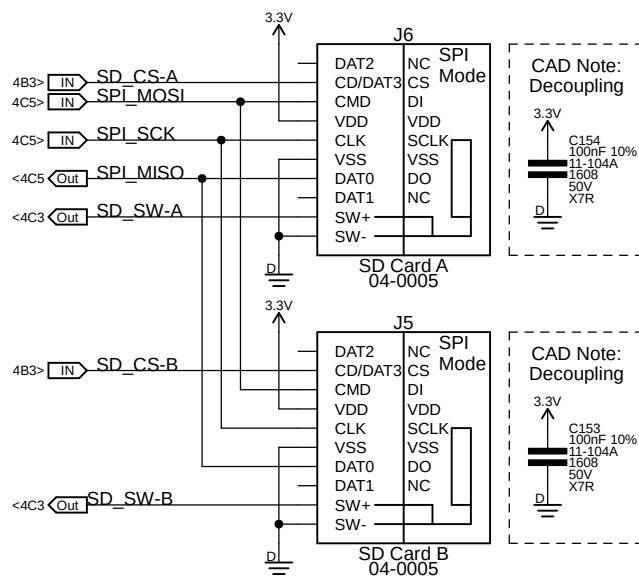
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Title:	SD Cards	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
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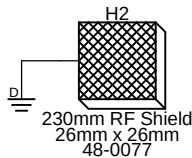
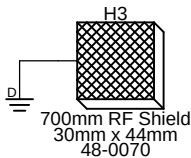
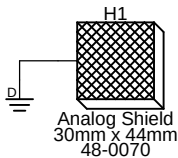
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J1MECH-TOP

J1MECH-BOTTOM

CougSat Card
68-0003

CougSat Card
68-0003



Title:	Mechanical	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
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