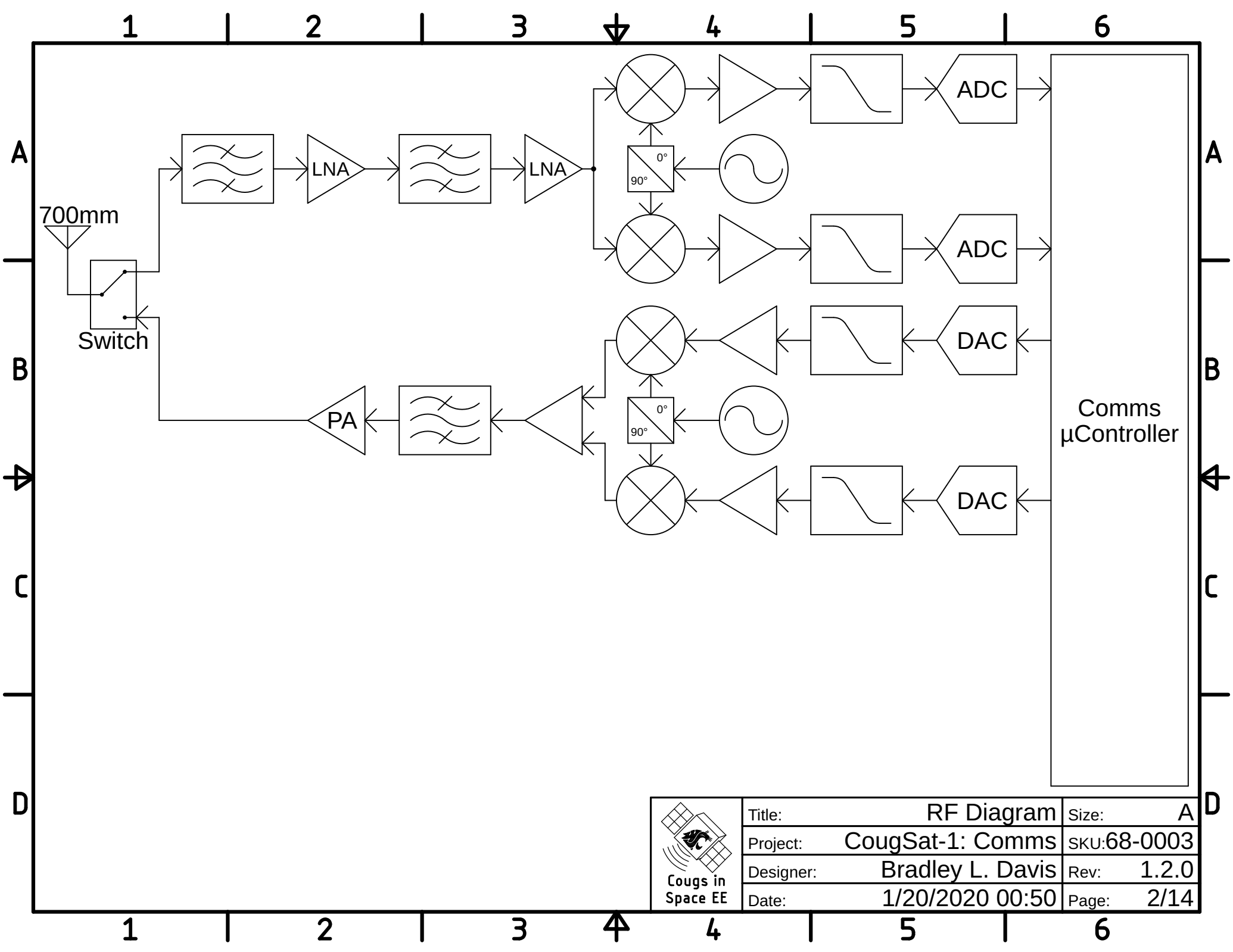


Page 1: Block Diagram
Page 2: RF Diagram
Page 3: Power Rails
Page 4: μController
Page 5: Buffers
Page 6: ADCs
Page 7: Regulator
Page 8: Power Switching & LDOs
Page 9: Baseband & Carrier - 700

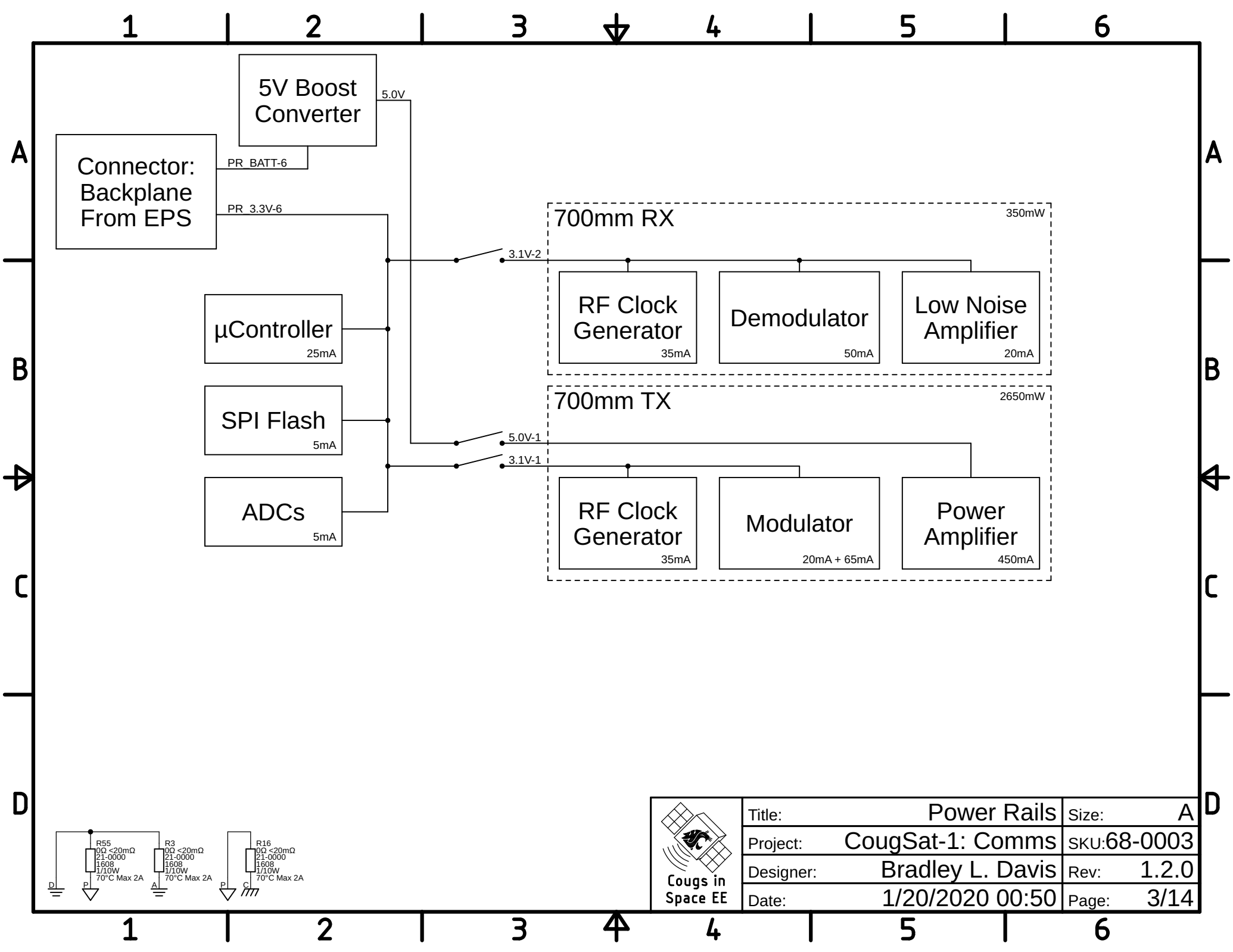
Page 10: Baseband & Carrier - 700
Page 11: 700mm Downlink
Page 12: 700mm Uplink Amplifiers
Page 13: Demodulator
Page 14: Mechanical

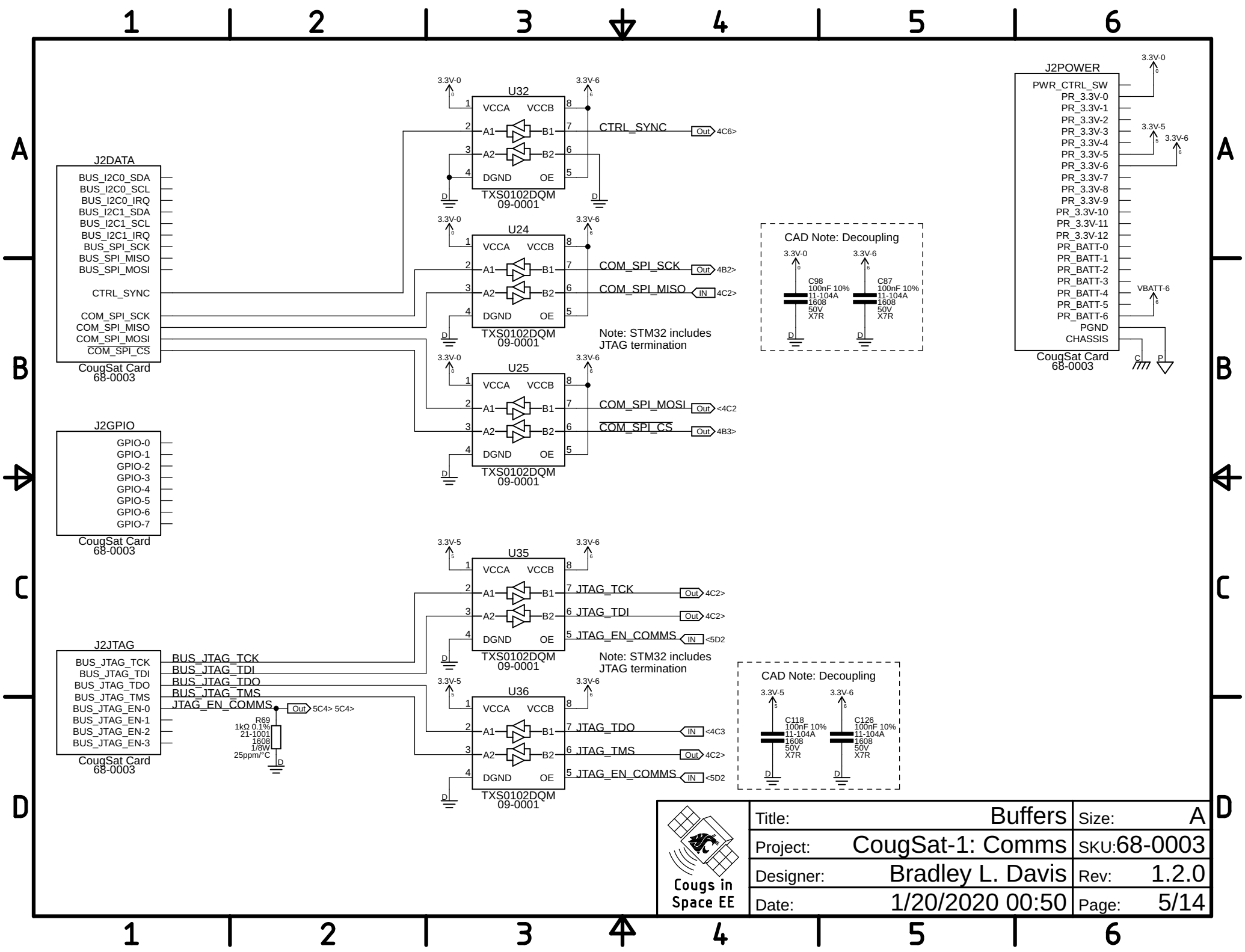


Title:	Block Diagram	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.2.0
Date:	1/20/2020 00:50	Page:	1/14



Title:	RF Diagram	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.2.0
Date:	1/20/2020 00:50	Page:	2/14





Title:	Buffers	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.2.0
Date:	1/20/2020 00:50	Page:	5/14

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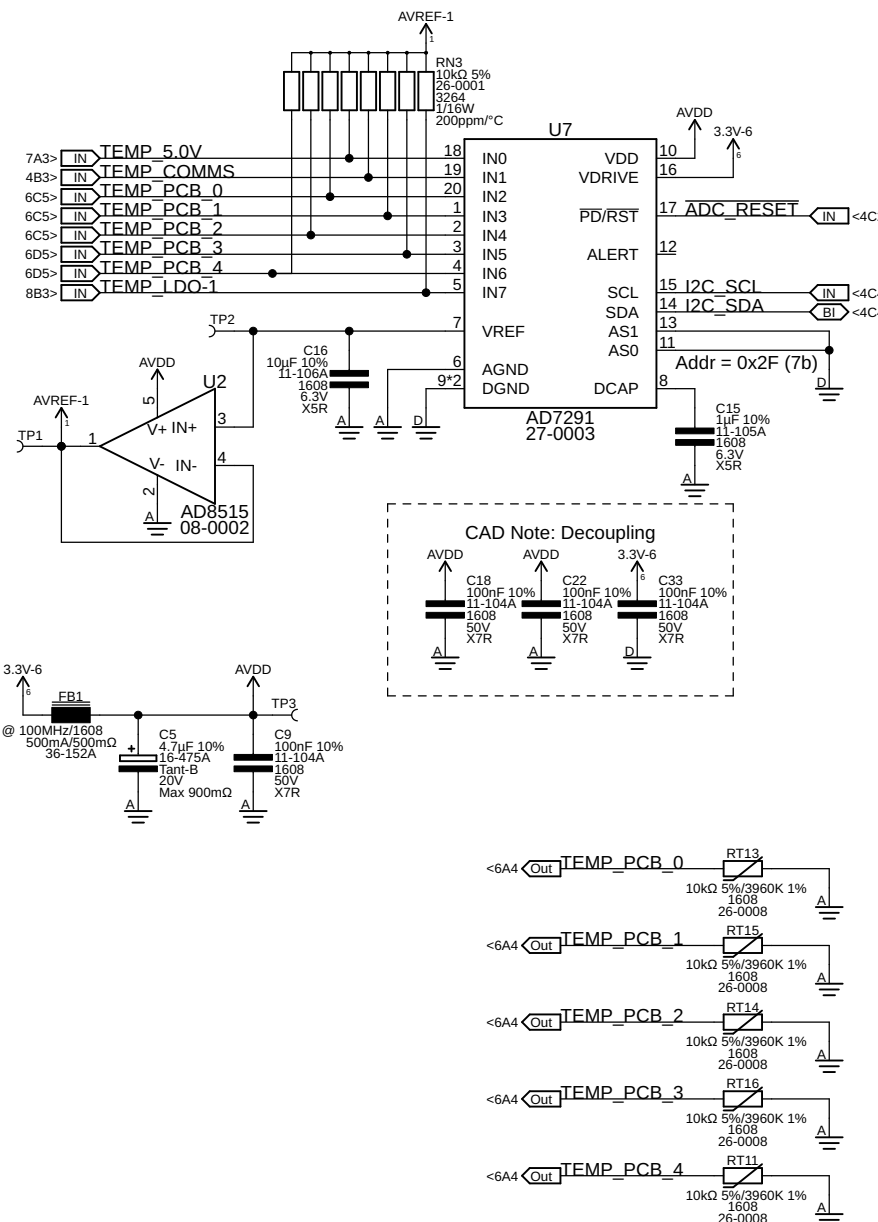
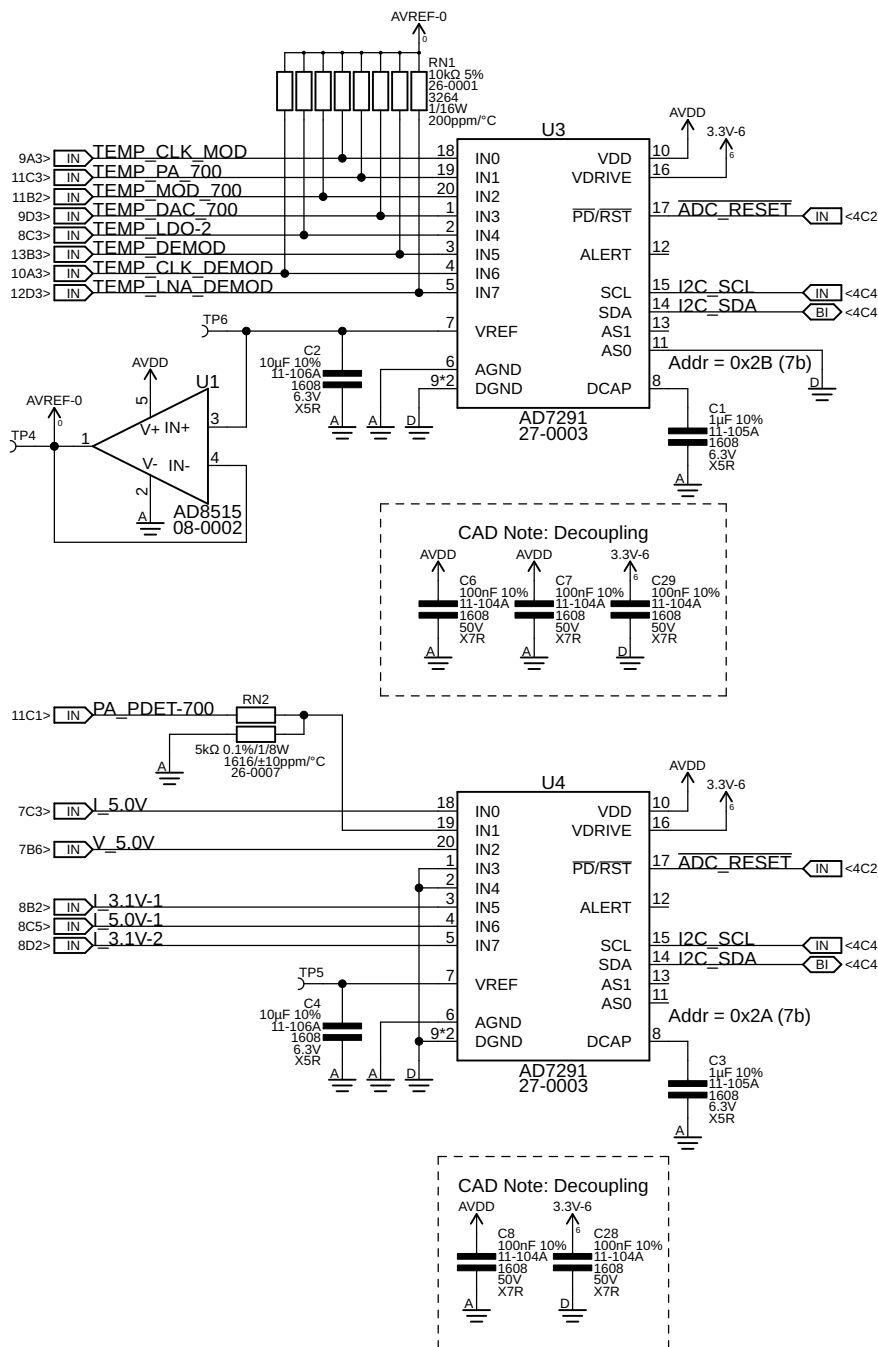
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Title:	ADCs	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.2.0
Date:	1/20/2020 00:50	Page:	6/14

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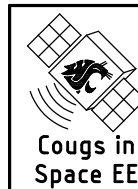
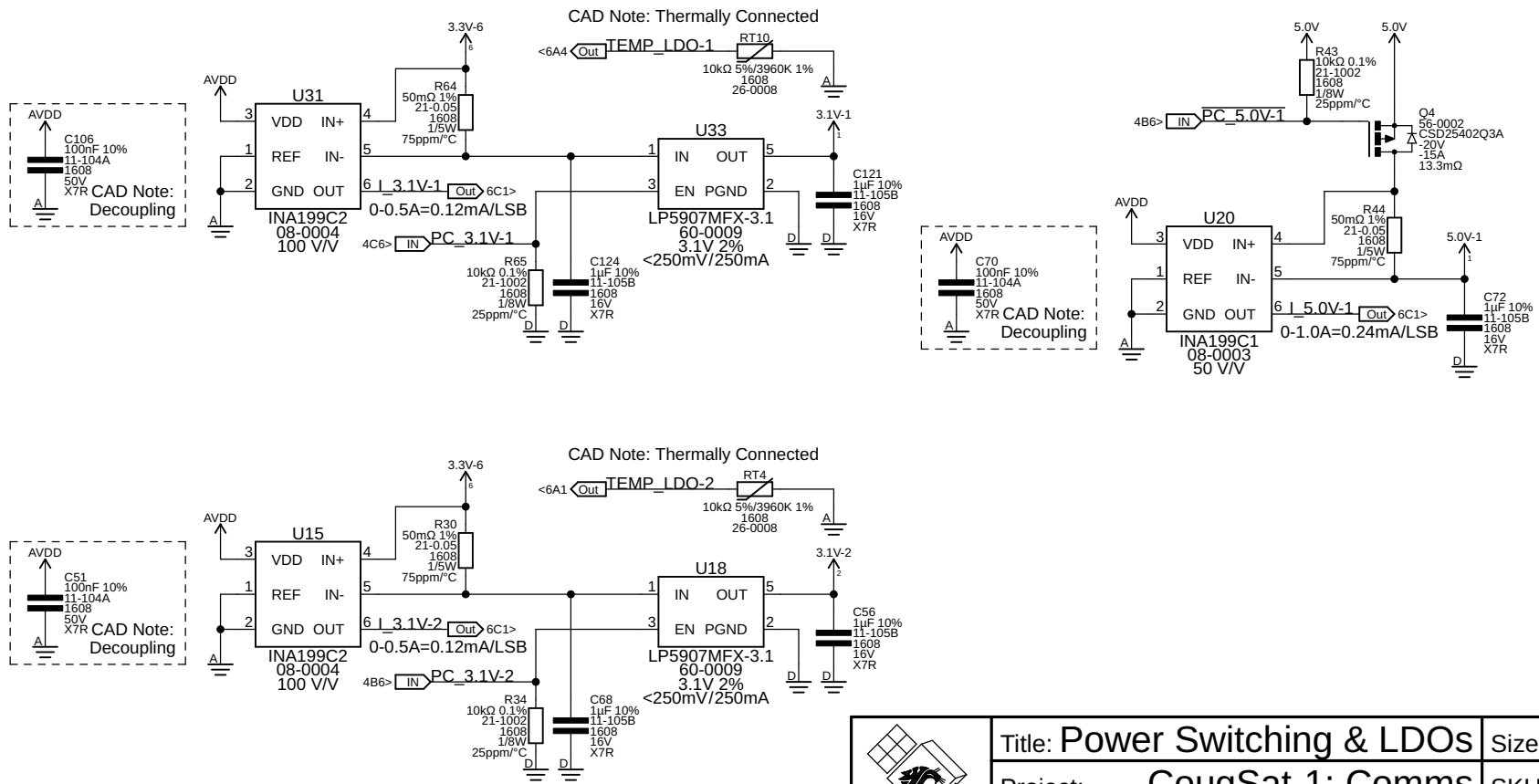
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Title: Power Switching & LDOs	Size: A
Project: CougSat-1: Comms	SKU:68-0003
Designer: Bradley L. Davis	Rev: 1.2.0
Date: 1/20/2020 00:50	Page: 8/14

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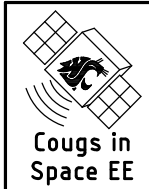
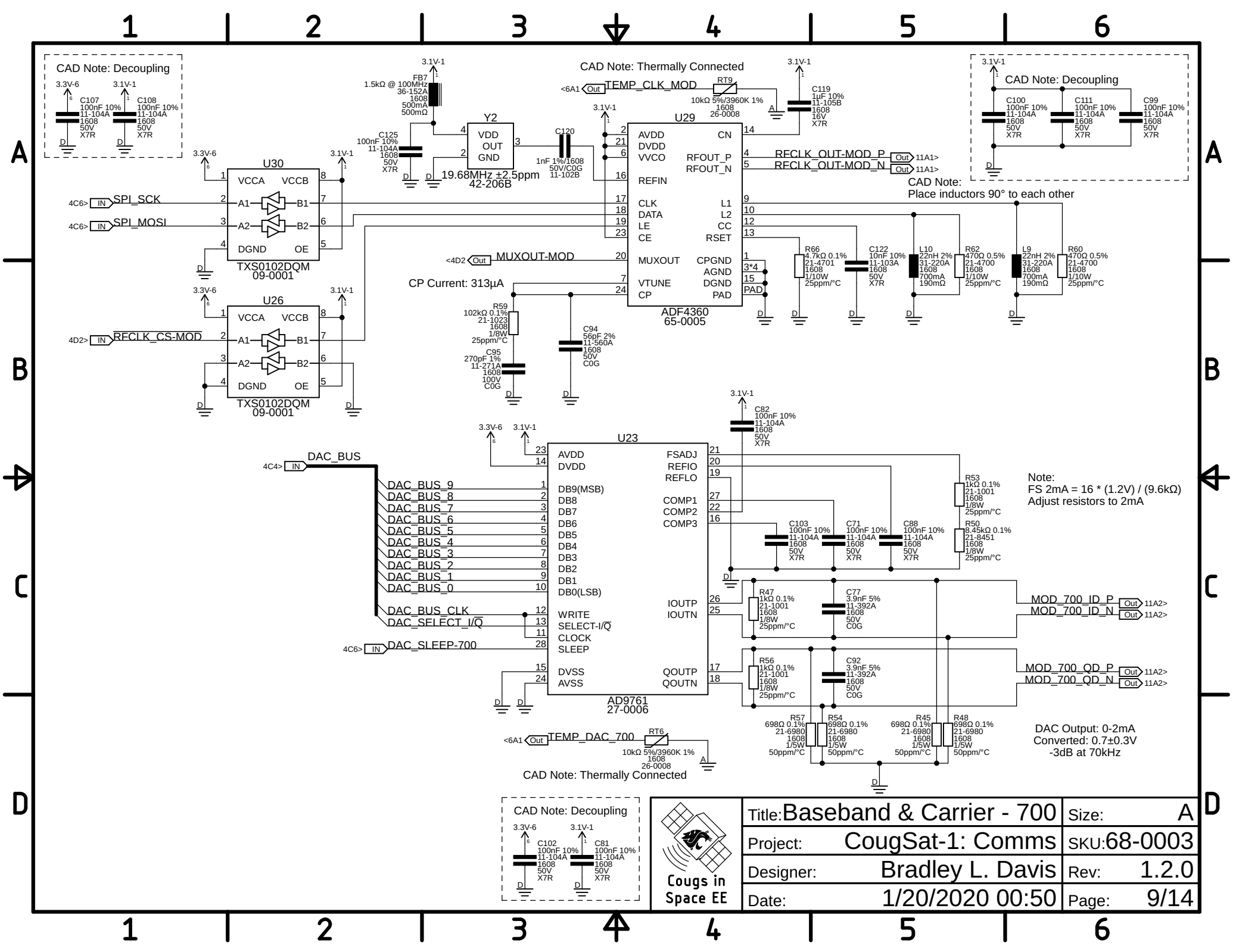
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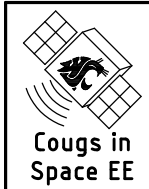
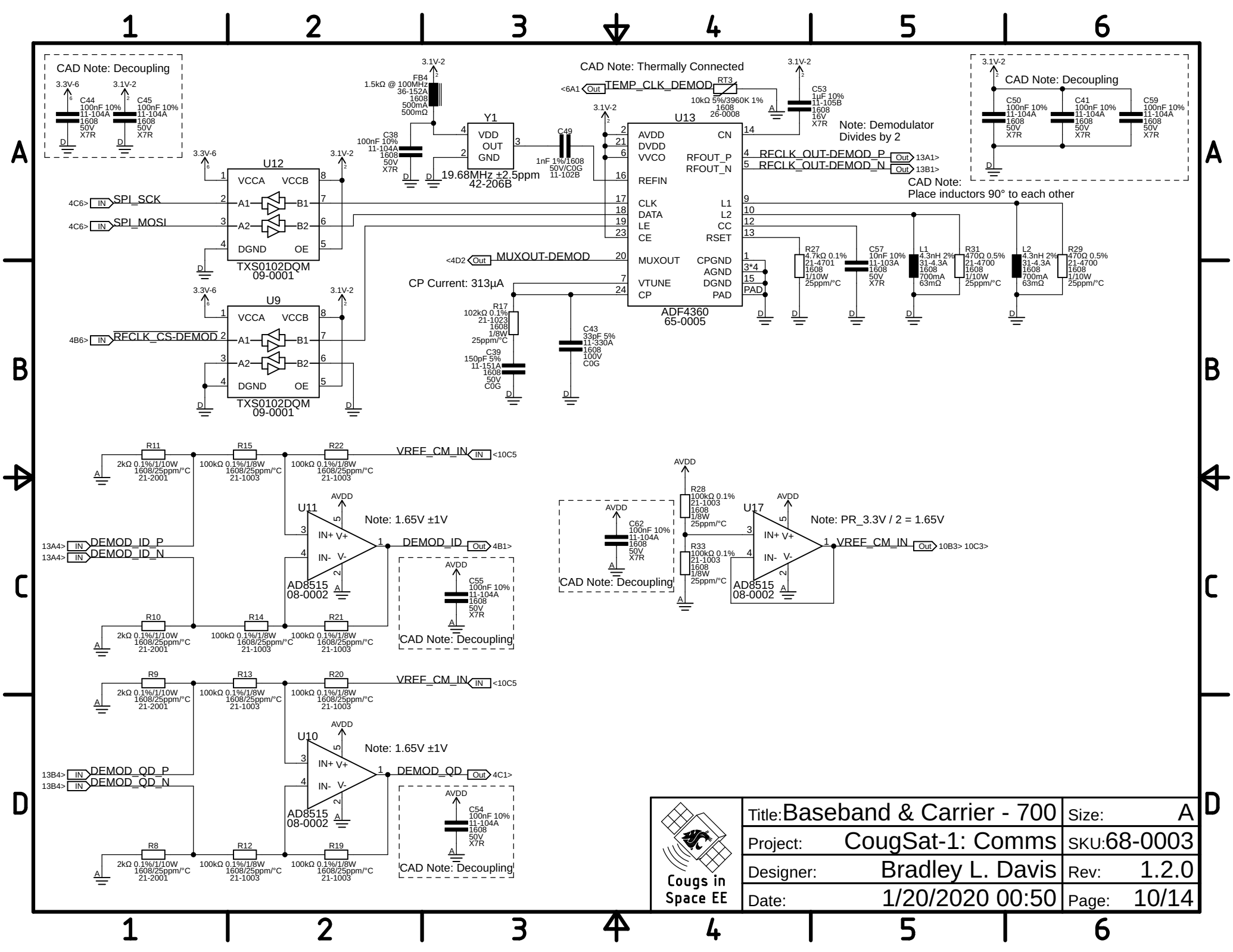
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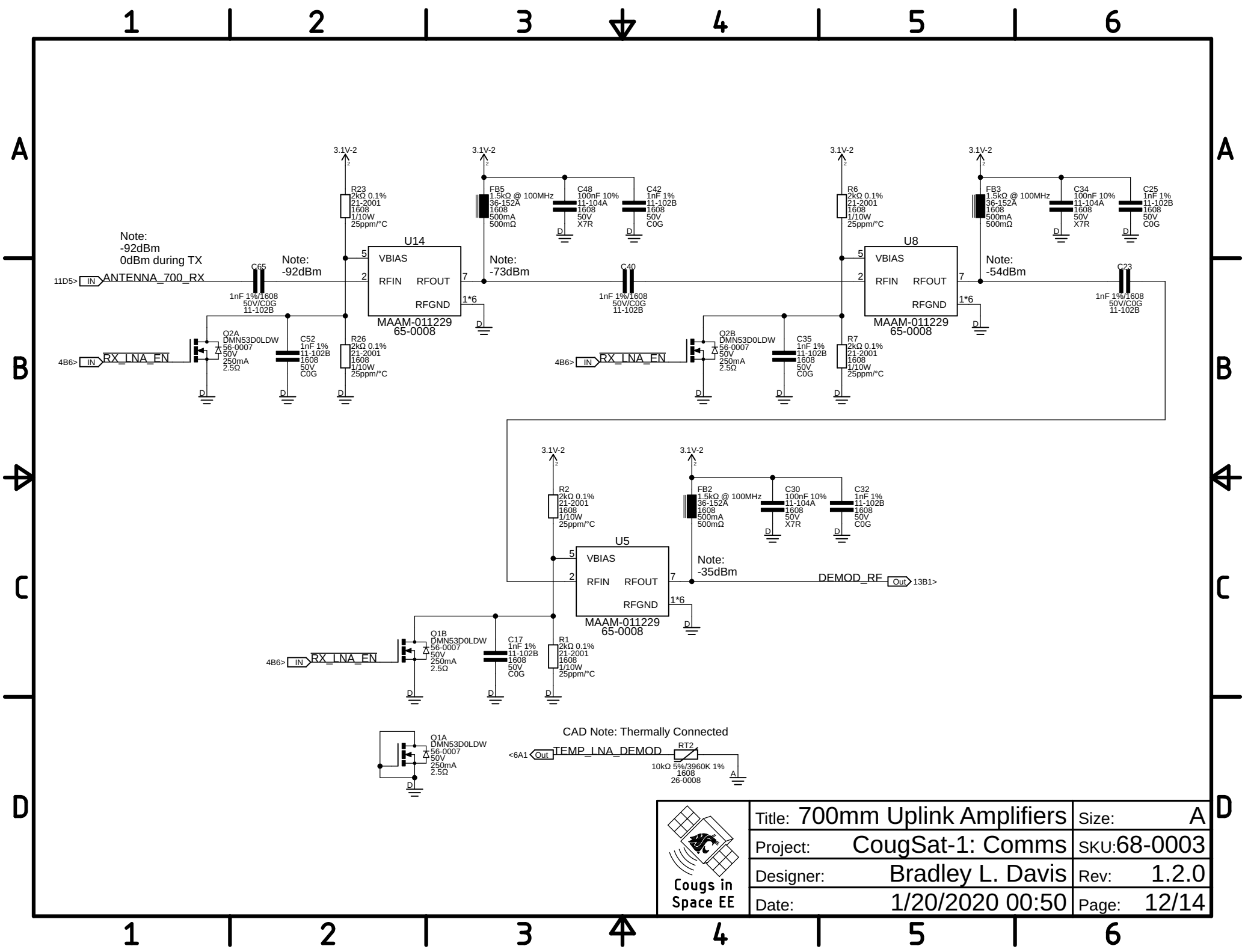
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Title:Baseband & Carrier - 700	Size: A
Project: CougSat-1: Comms	SKU:68-0003
Designer: Bradley L. Davis	Rev: 1.2.0
Date: 1/20/2020 00:50	Page: 9/14



Title:Baseband & Carrier - 700	Size: A
Project: CougSat-1: Comms	SKU:68-0003
Designer: Bradley L. Davis	Rev: 1.2.0
Date: 1/20/2020 00:50	Page: 10/14



 Cougs in Space EE	Title: 700mm Uplink Amplifiers	Size: A
	Project: CougSat-1: Comms	SKU:68-0003
	Designer: Bradley L. Davis	Rev: 1.2.0
	Date: 1/20/2020 00:50	Page: 12/14

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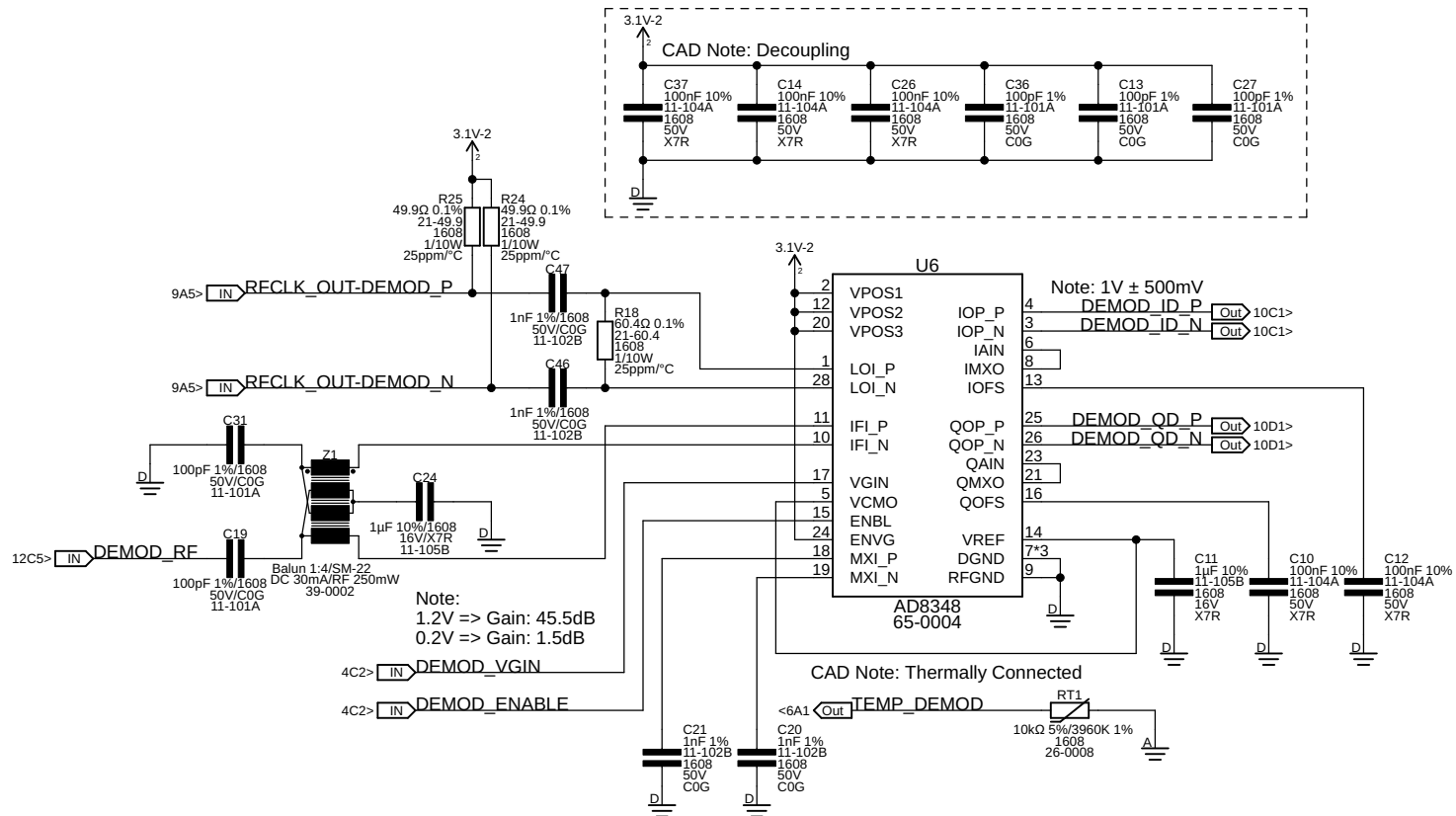
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Title:	Demodulator	Size:	A
Project:	CougsSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.2.0
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J2MECH-TOP

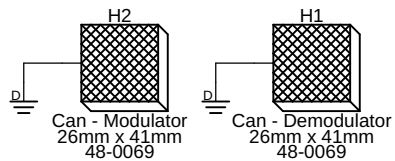
J2MECH-BOTTOM

700mm Uplink

700mm Downlink

 μ Controller

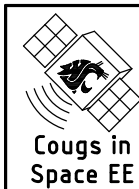
SWD Header

CougSat Card
68-0003CougSat Card
68-0003LOGO3
Speed Limit

LOGO2
Signature

LOGO1
Satellite 16mm

Cougs in Space



Title:	Mechanical	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.2.0
Date:	1/20/2020 00:50	Page:	14/14