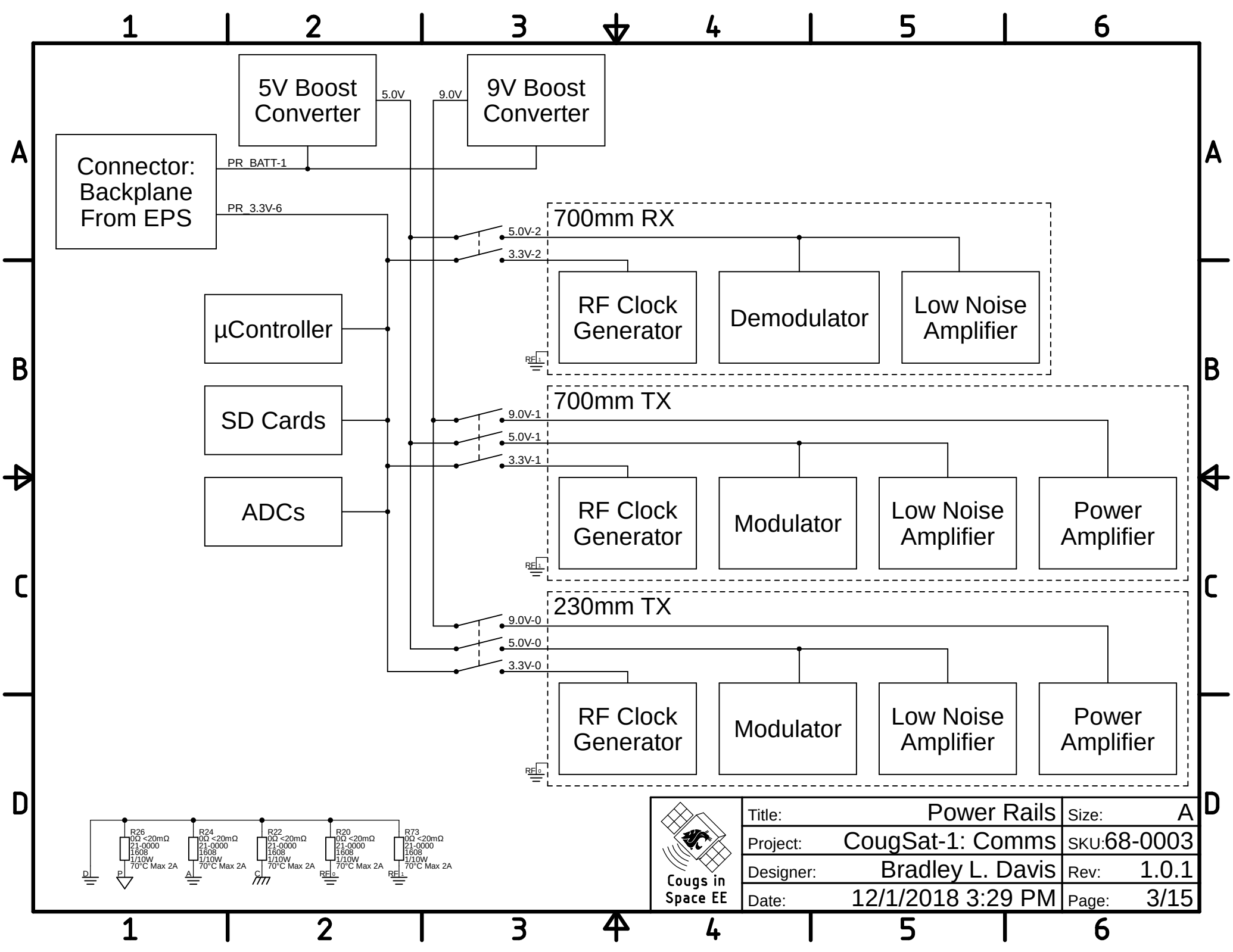
 Cougs in Space EE	Title:	RF Diagram		Size:	A
	Project:	CougSat-1: Comms		SKU:	68-0003
	Designer:	Bradley L. Davis		Rev:	1.0.1
	Date:	12/1/2018 3:29 PM		Page:	2/15



1

2

3

4

5

6

A

A

B

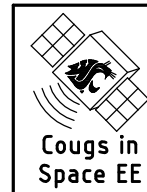
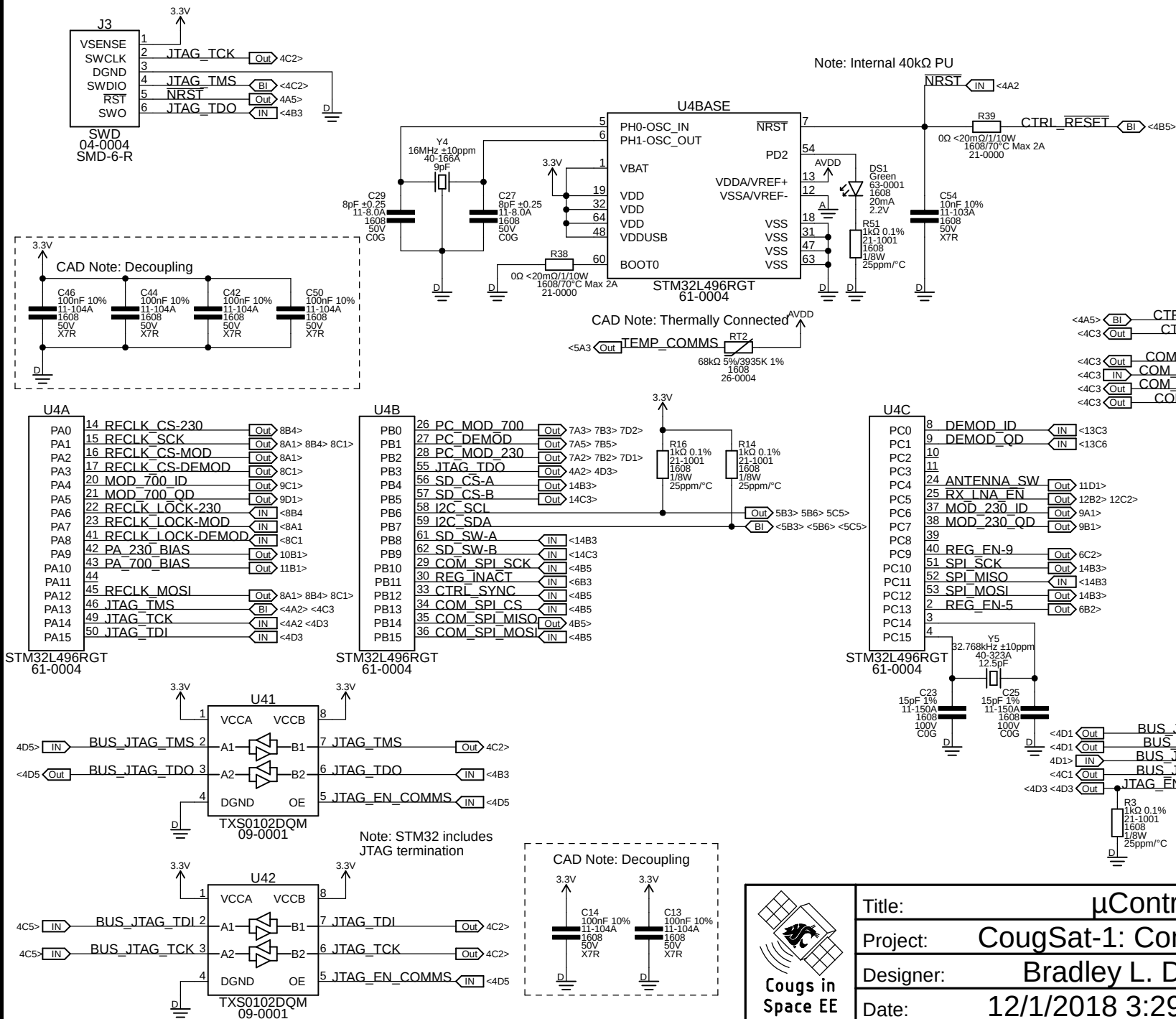
B

C

C

D

D



Title:	μController	Size:	A
Project:	CougsSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
Date:	12/1/2018 3:29 PM	Page:	4/15

1

2

3

4

5

6

A

B

C

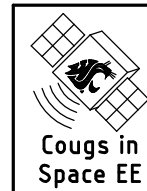
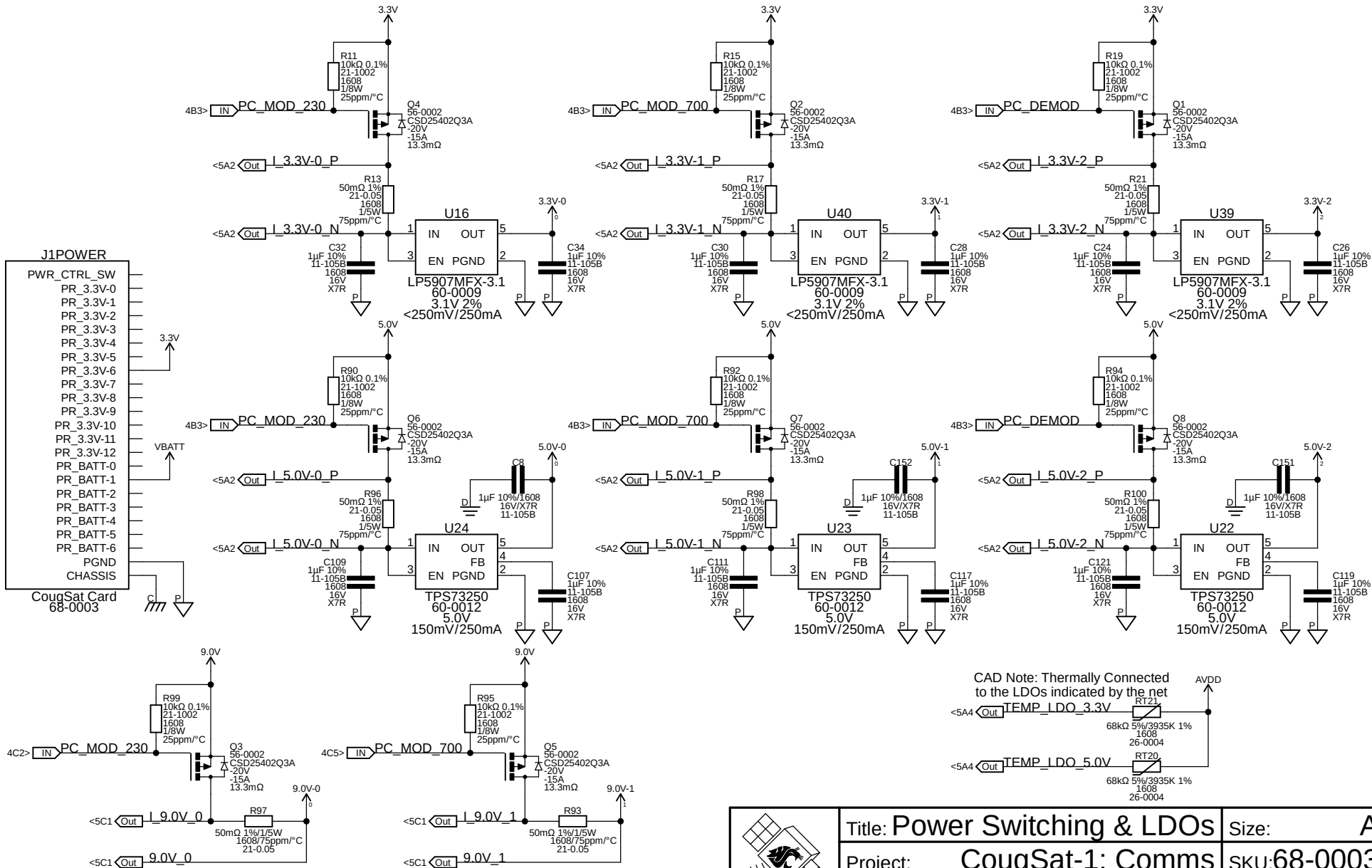
D

A

B

C

D



Cougs in
Space EE

Title: Power Switching & LDOs

Project: CougSat-1: Comms

Designer: Bradley L. Davis

Date: 12/1/2018 3:29 PM

Size: A

SKU:68-0003

Rev: 1.0.1

Page: 7/15

1

2

3

4

4

5

6

A

A

B

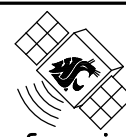
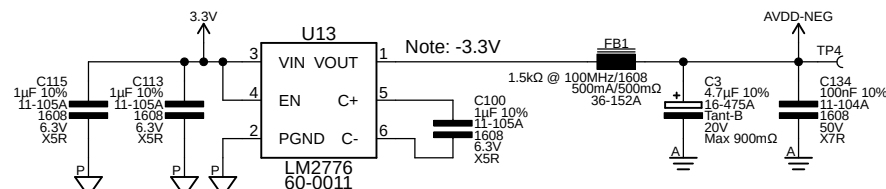
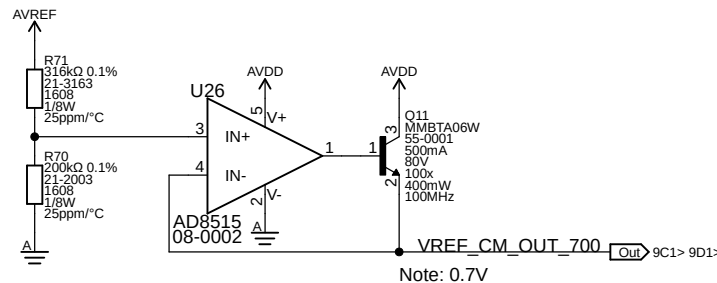
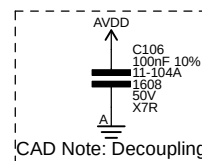
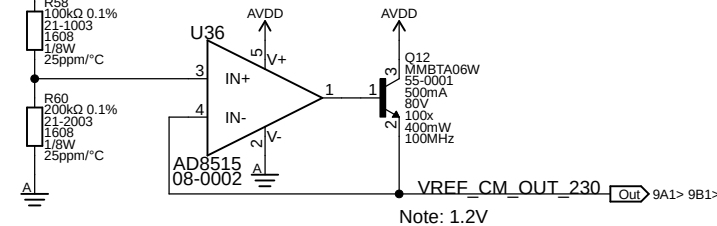
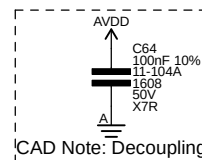
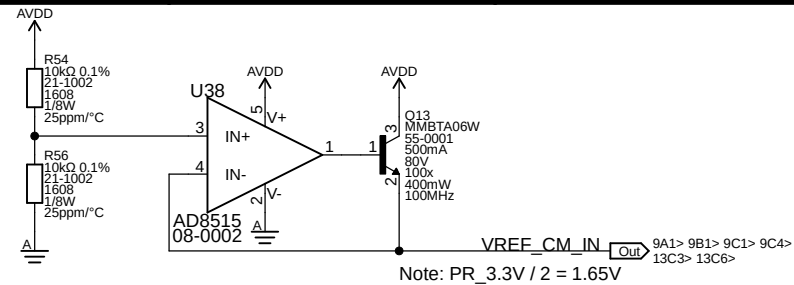
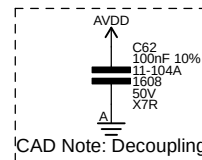
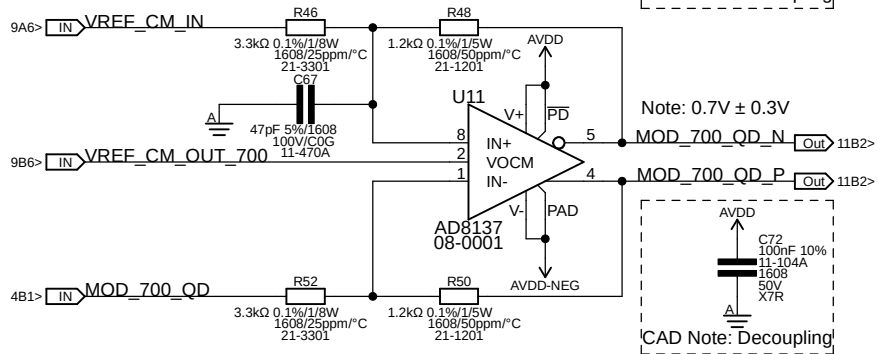
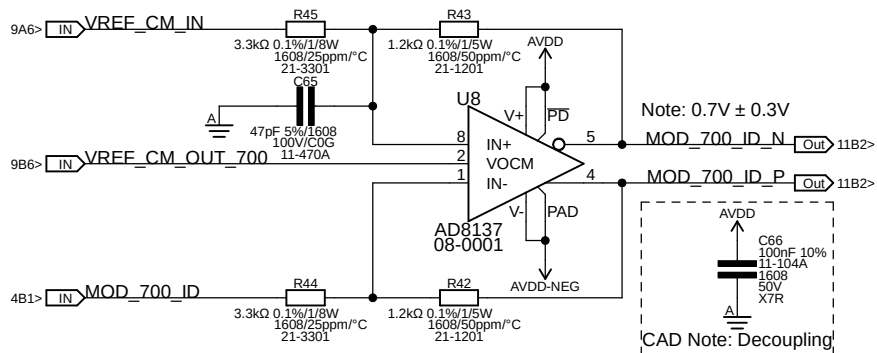
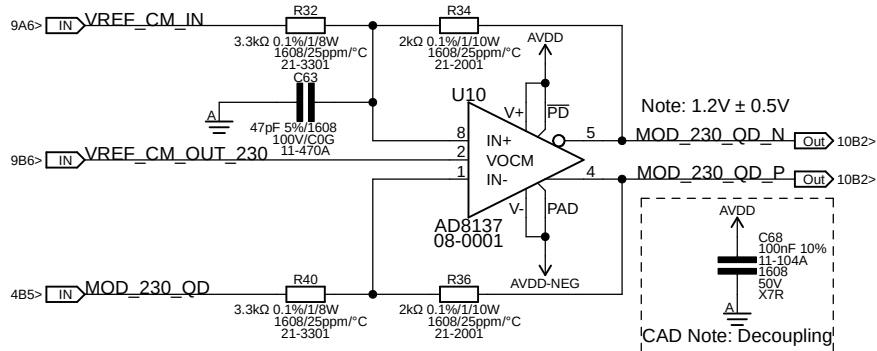
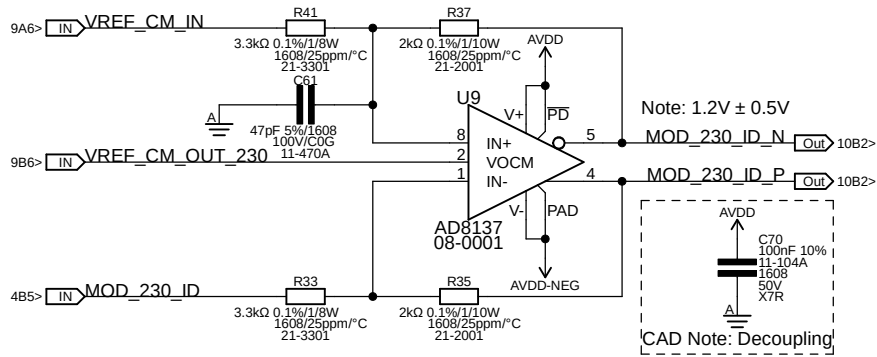
B

C

C

D

D

Cougs in
Space EE

Title:	Differential Drivers	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
Date:	12/1/2018 3:29 PM	Page:	9/15

1

2

3

4

4

5

6

1

2

3

4

5

6

A

A

B

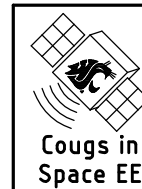
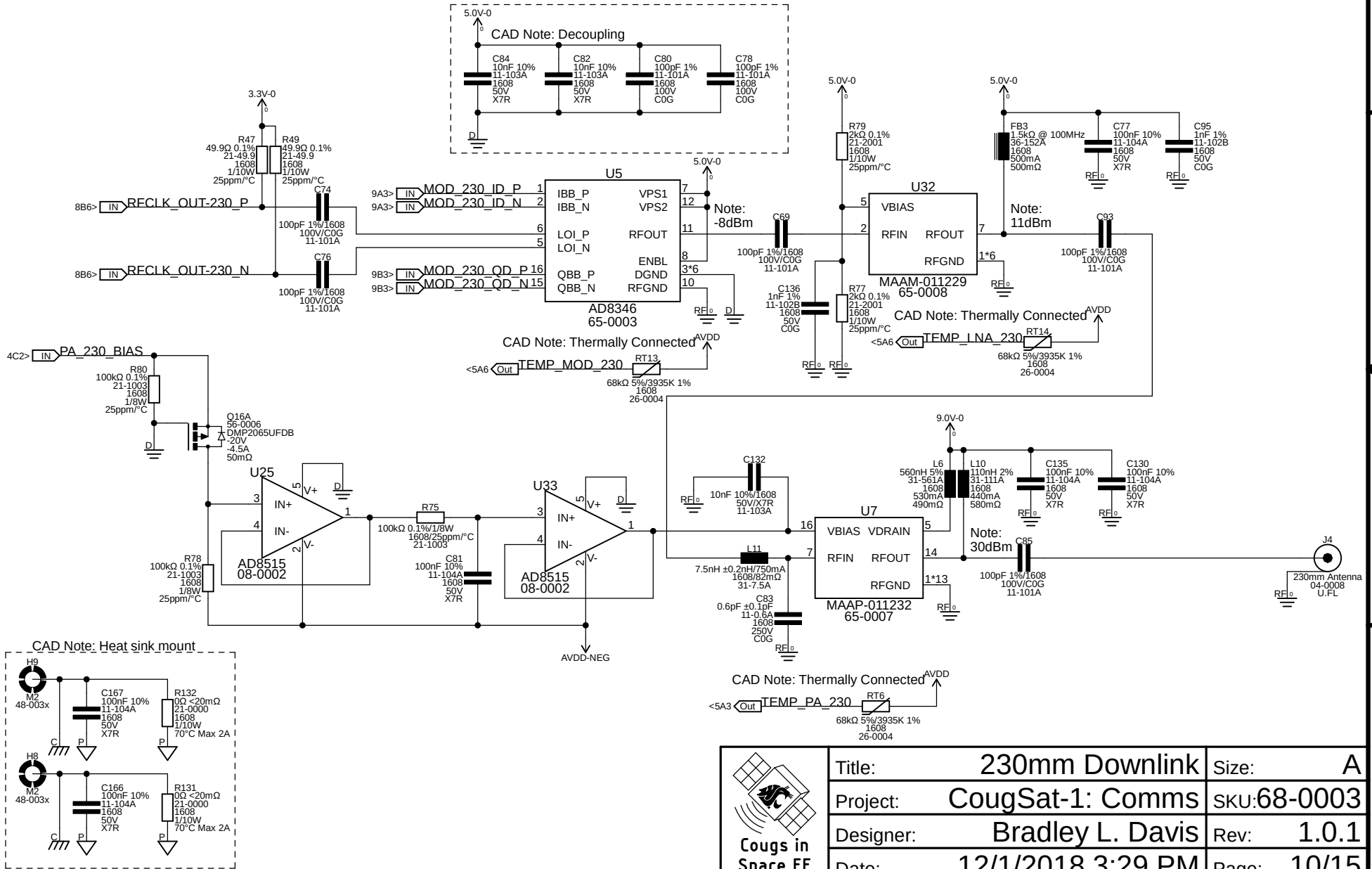
B

C

C

D

D



Cougs in Space EE

Title:	230mm Downlink	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
Date:	12/1/2018 3:29 PM	Page:	10/15

1

2

3

4

5

6

A

A

B

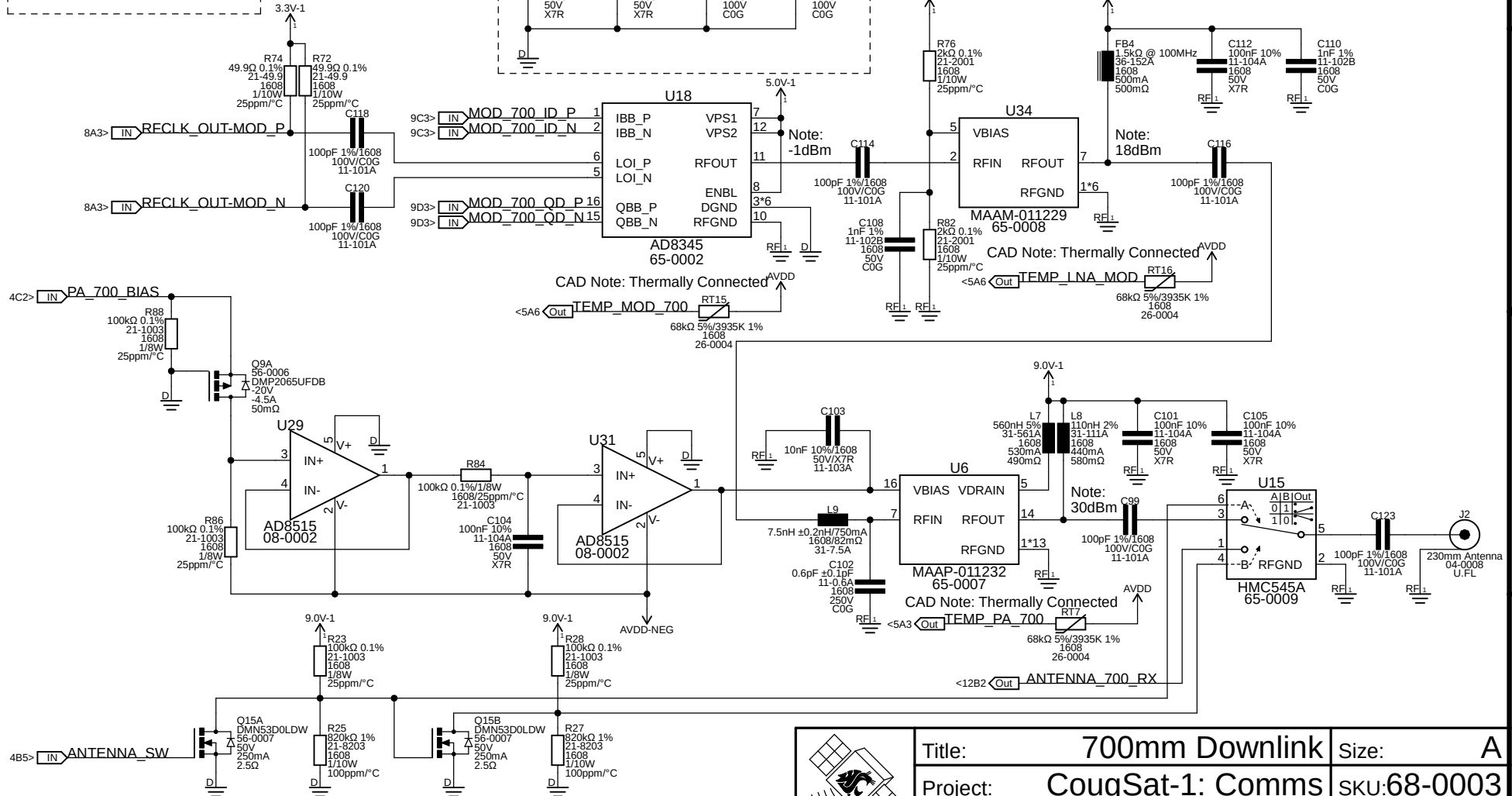
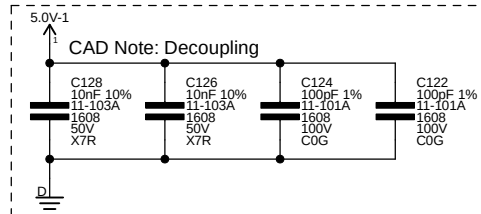
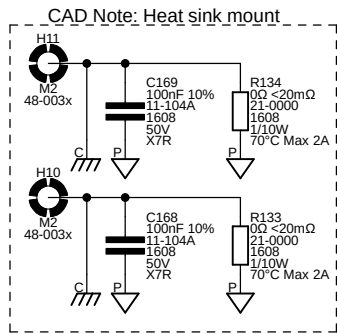
B

C

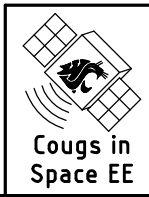
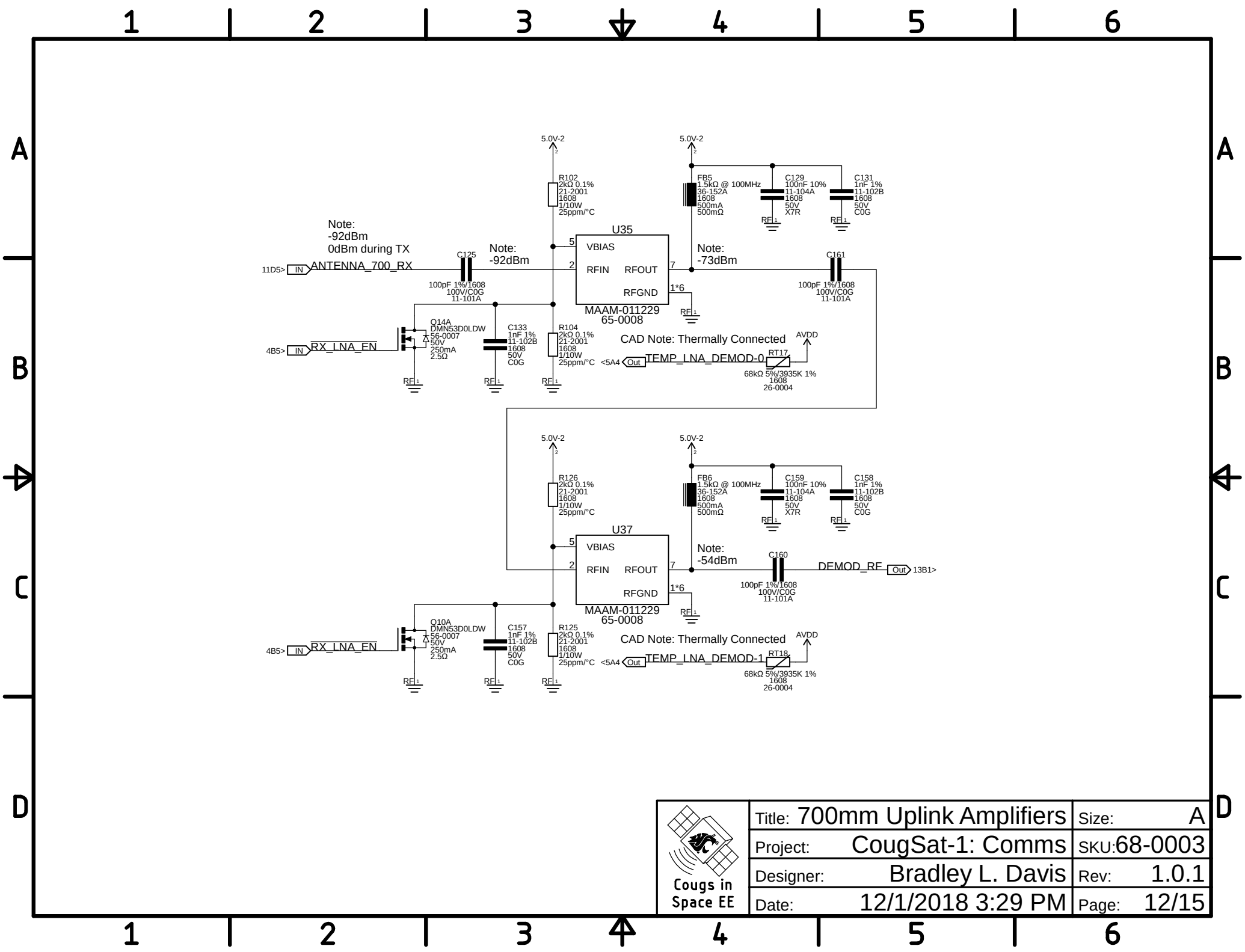
C

D

D



Title:	700mm Downlink	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
Date:	12/1/2018 3:29 PM	Page:	11/15



Title: 700mm Uplink Amplifiers	Size: A
Project: CougSat-1: Comms	SKU:68-0003
Designer: Bradley L. Davis	Rev: 1.0.1
Date: 12/1/2018 3:29 PM	Page: 12/15

1

2

3

4

5

6

A

A

B

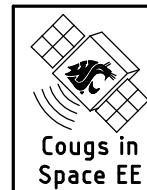
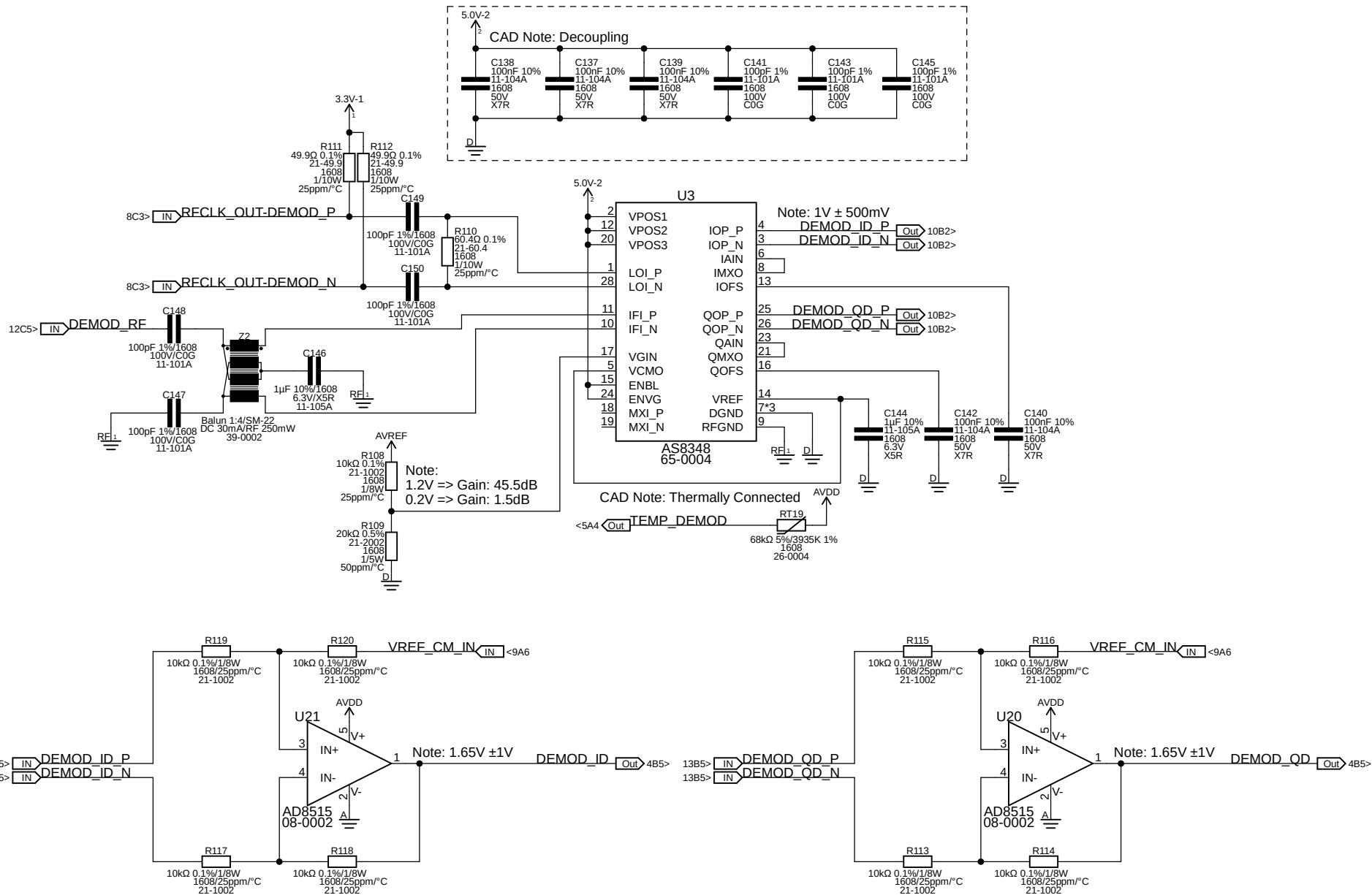
B

C

C

D

D



Title:	Demodulator	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
Date:	12/1/2018 3:29 PM	Page:	13/15

1

2

3

4

5

6

1

2

3



4

5

6

A

B

C

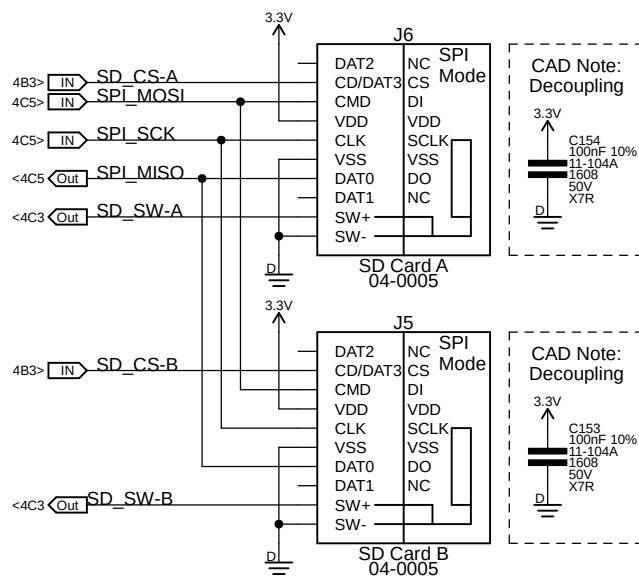
D

A

B

C

D



Title:	SD Cards	Size:	A
Project:	CougSat-1: Comms	SKU:	68-0003
Designer:	Bradley L. Davis	Rev:	1.0.1
Date:	12/1/2018 3:29 PM	Page:	14/15

1

2

3



4

5

6

1

2

3



4

5

6

A

B

C

D

A

B

C

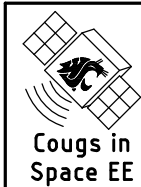
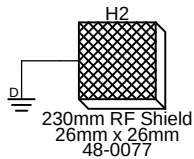
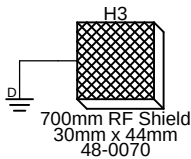
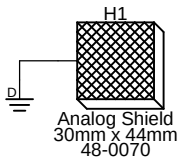
D

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
Date:	12/1/2018 3:29 PM	Page:	15/15

1

2

3



4

5

6