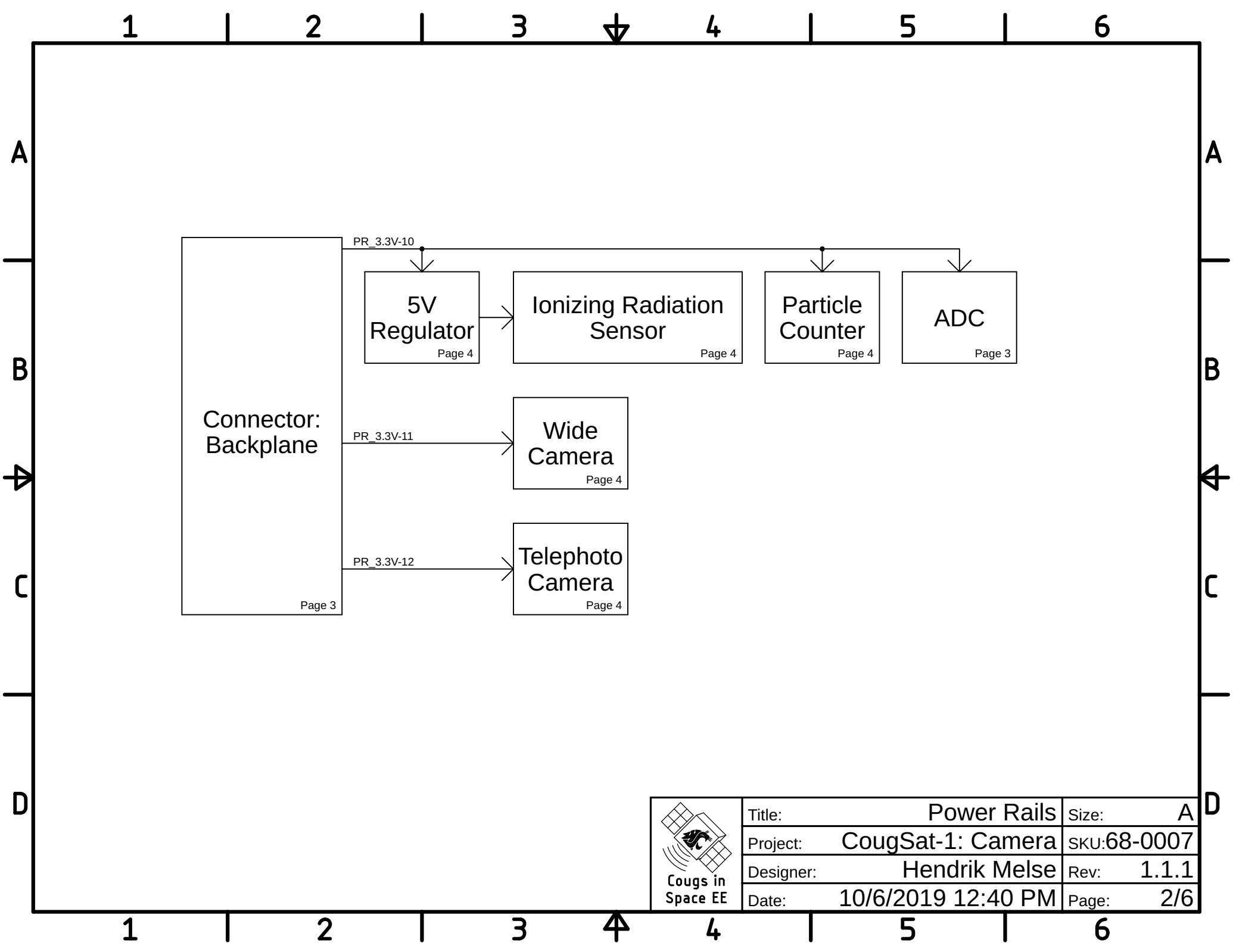


Page 1: Block Diagram  
Page 2: Power Rails  
Page 3: Connector/ADC  
Page 4: Particle Counter, Cameras  
Page 5: Buffers  
Page 6: Mechanical



Title:	Block Diagram	Size:	A
Project:	CougSat-1: Camera	SKU:	68-0007
Designer:	Hendrik Melse	Rev:	1.1.1
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Connector:  
Backplane

Page 3

PR\_3.3V-10

5V  
Regulator

Page 4

Ionizing Radiation  
Sensor

Page 4

Particle  
Counter

Page 4

ADC

Page 3

PR\_3.3V-11

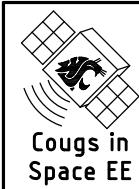
Wide  
Camera

Page 4

PR\_3.3V-12

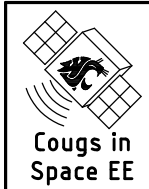
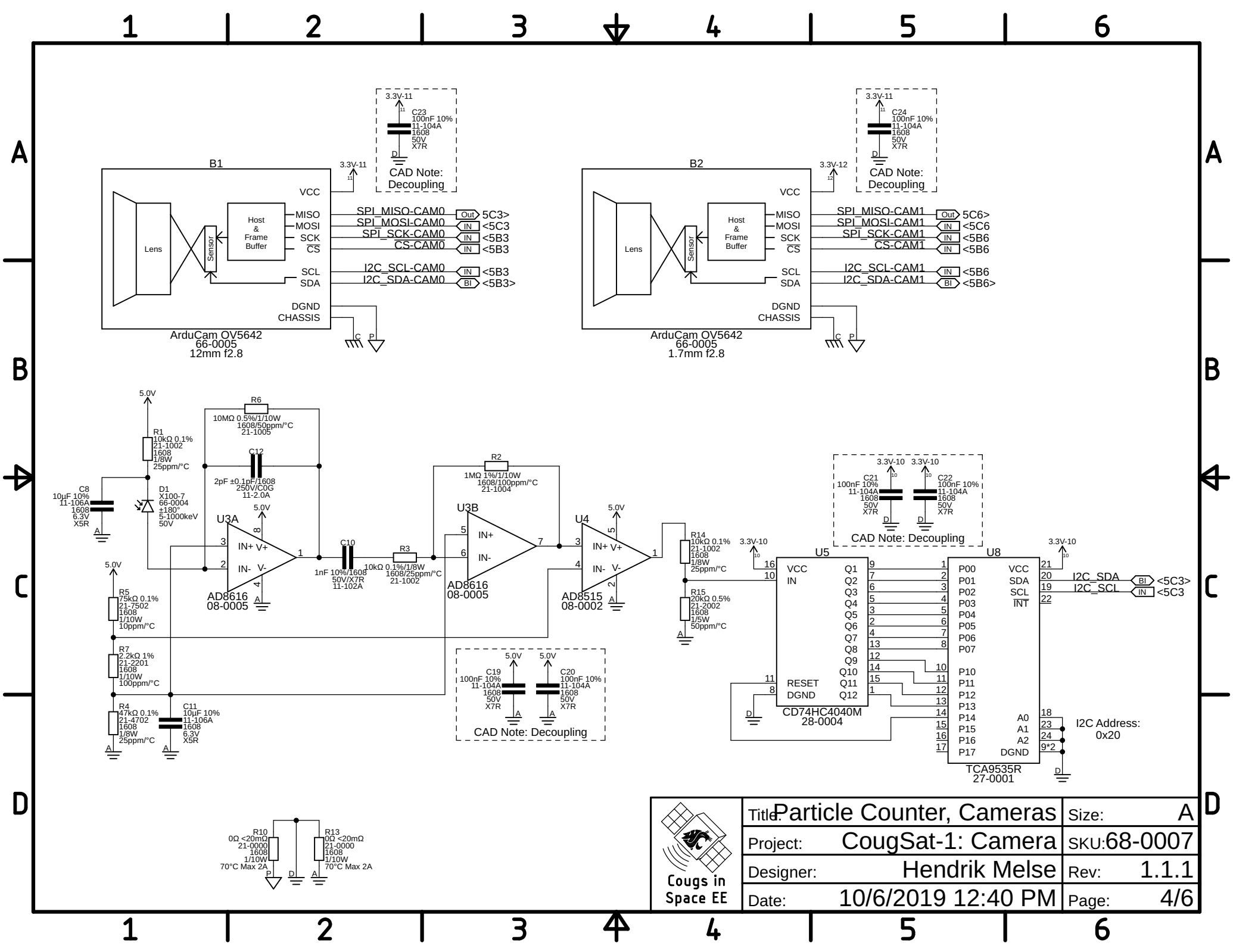
Telephoto  
Camera

Page 4



Title:	Power Rails	Size:	A
Project:	CougSat-1: Camera	SKU:	68-0007
Designer:	Hendrik Melse	Rev:	1.1.1
Date:	10/6/2019 12:40 PM	Page:	2/6





Title	Particle Counter, Cameras	Size:	A
Project:	CougsSat-1: Camera	SKU:	68-0007
Designer:	Hendrik Melse	Rev:	1.1.1
Date:	10/6/2019 12:40 PM	Page:	4/6

1 2 3 4 5 6

A

B

C

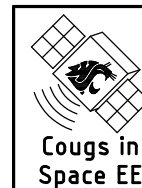
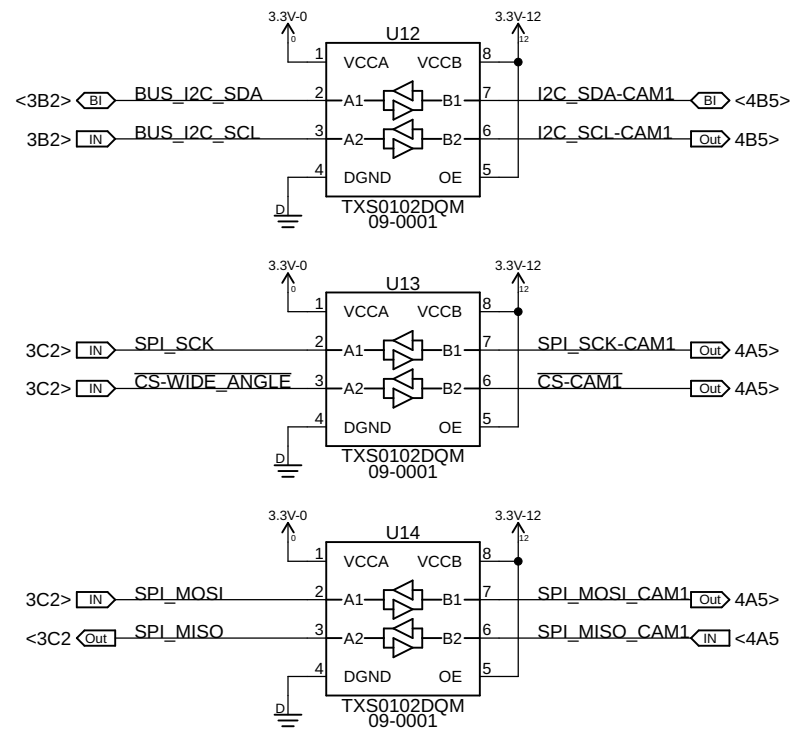
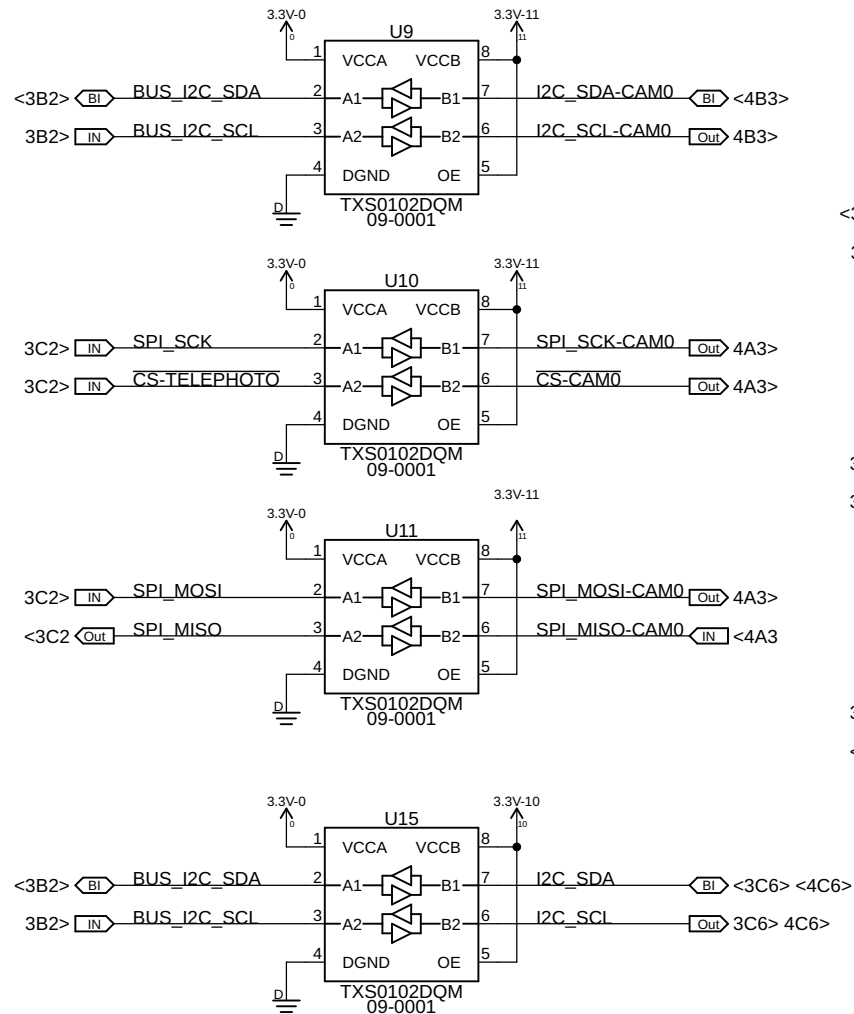
D

A

B

C

D



Title:	Buffers	Size:	A
Project:	CougSat-1: Camera	SKU:	68-0007
Designer:	Hendrik Melse	Rev:	1.1.1
Date:	10/6/2019 12:40 PM	Page:	5/6

1 2 3 4 5 6

1

2

3



4

5

6

A

A

B

B

C

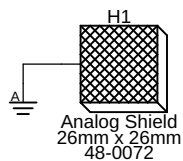
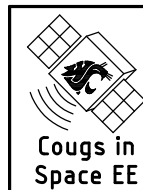
C

D

D

J1MECH-TOP

J1MECH-BOTTOM

CougSat Card  
68-0007CougSat Card  
68-0007LOGO1  
Signature

Title:	Mechanical	Size:	A
Project:	CougSat-1: Camera	SKU:	68-0007
Designer:	Hendrik Melse	Rev:	1.1.1
Date:	10/6/2019 12:40 PM	Page:	6/6