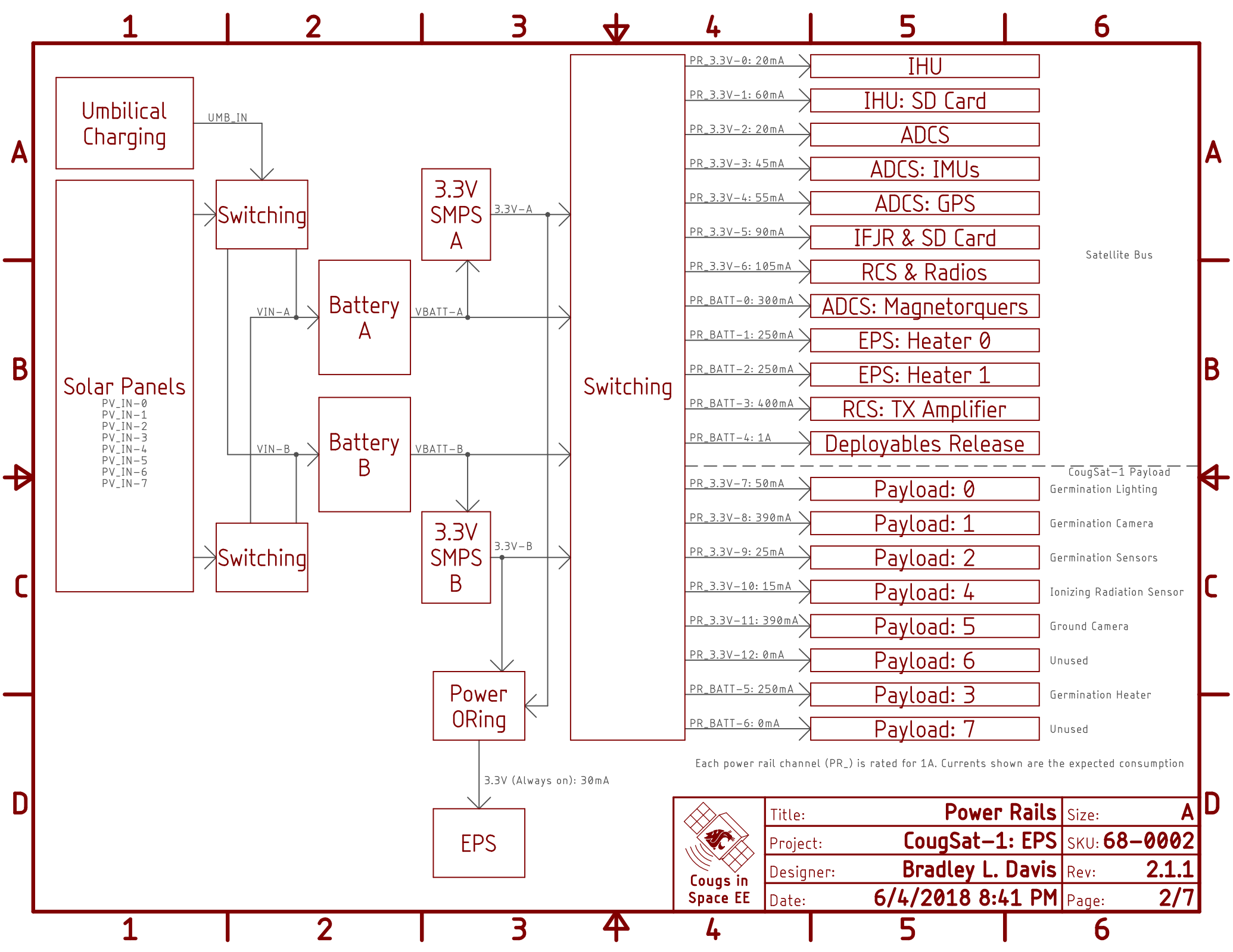


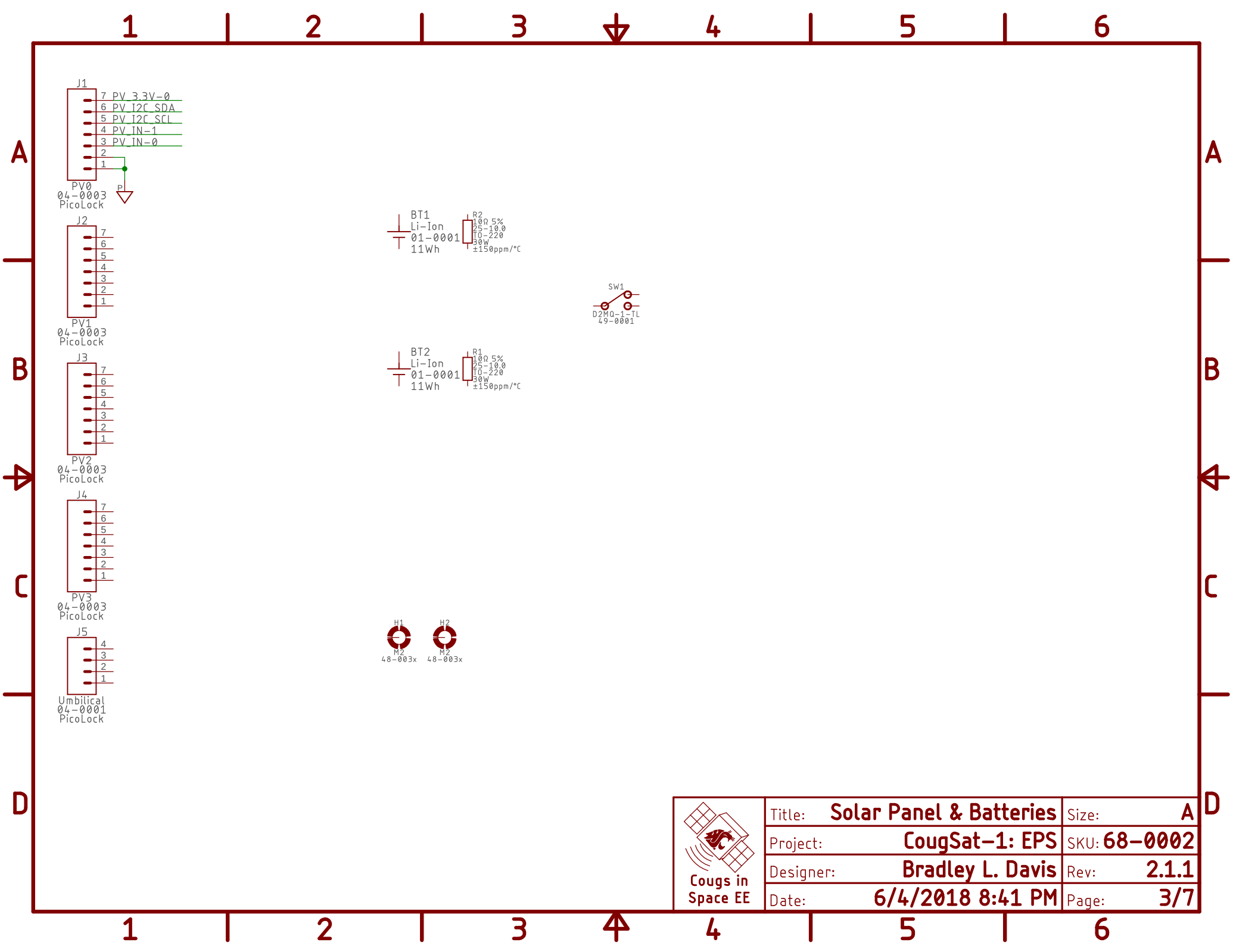
Page 1: Block Diagram  
Page 2: Power Rails  
Page 3: Solar Panel Inputs & Battery Charging  
Page 4: 3.3V Regulation  
Page 5: Power Channel Switching & Backplane Power Connections  
Page 6: PMIC & ADCs  
Page 7: Mechanical Layout



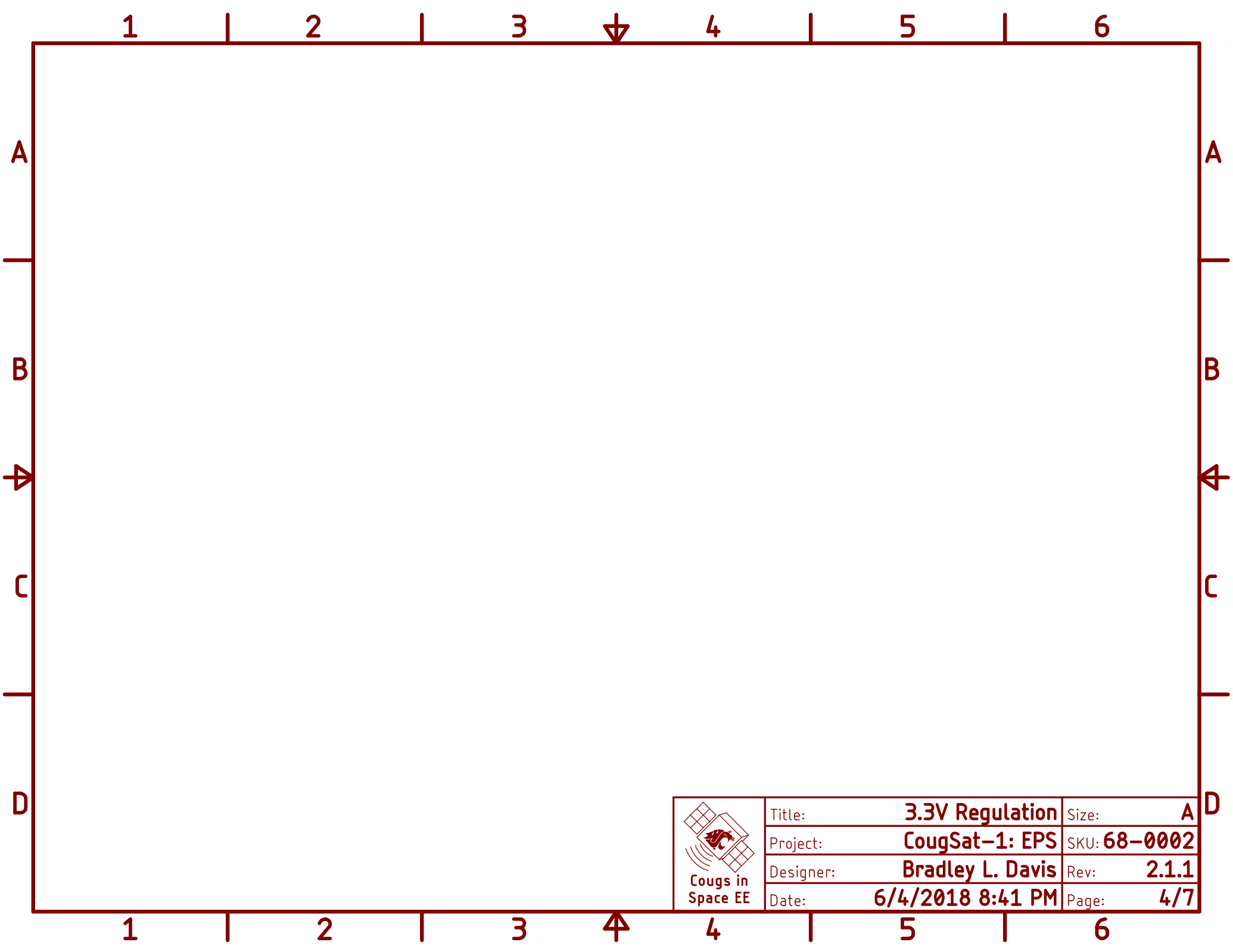
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Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.1
Date:	6/4/2018 8:41 PM	Page:	1/7



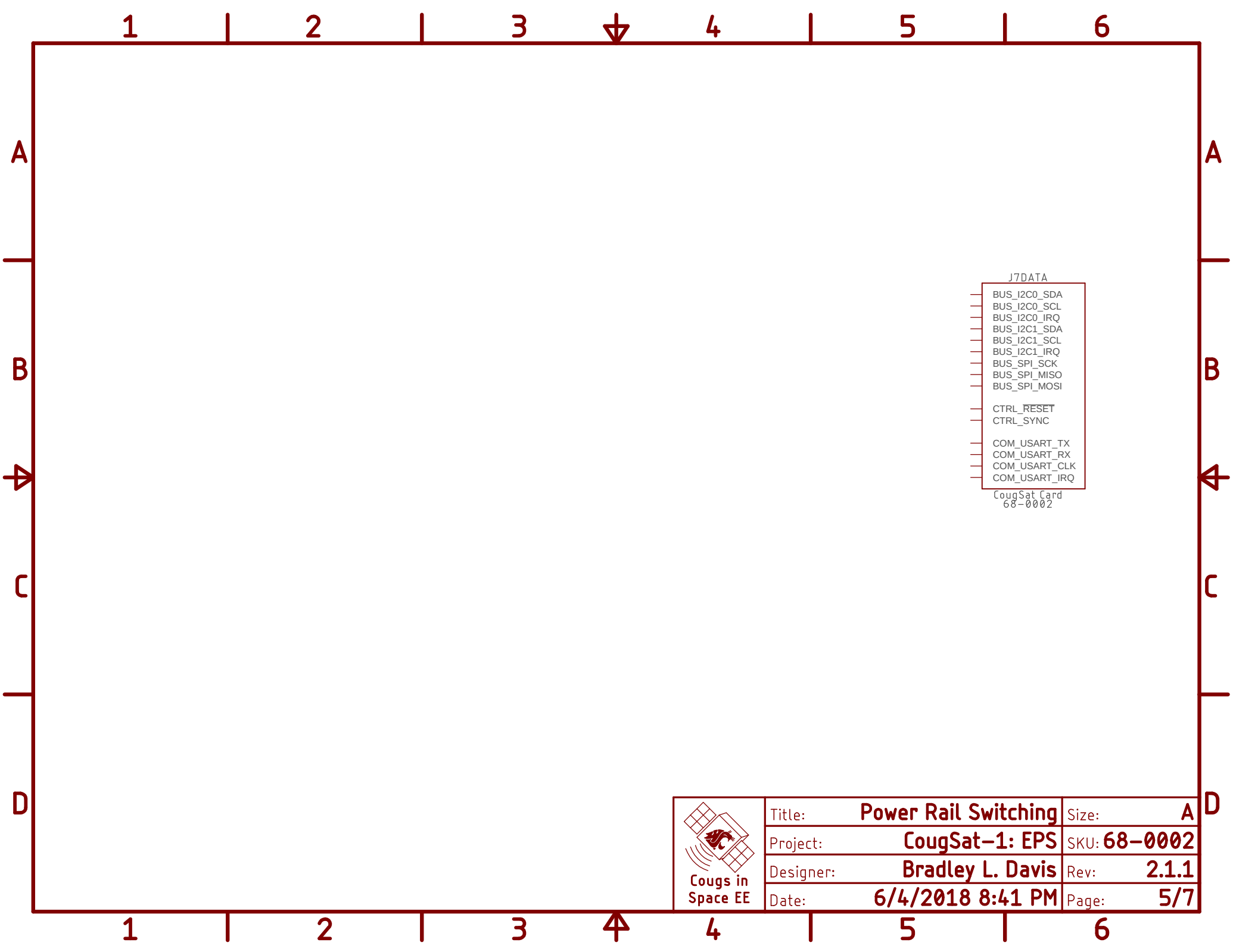
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Project:	CougSat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.1
Date:	6/4/2018 8:41 PM	Page:	2/7



Title: <b>Solar Panel &amp; Batteries</b>	Size: <b>A</b>
Project: <b>CougSat-1: EPS</b>	SKU: <b>68-0002</b>
Designer: <b>Bradley L. Davis</b>	Rev: <b>2.1.1</b>
Date: <b>6/4/2018 8:41 PM</b>	Page: <b>3/7</b>




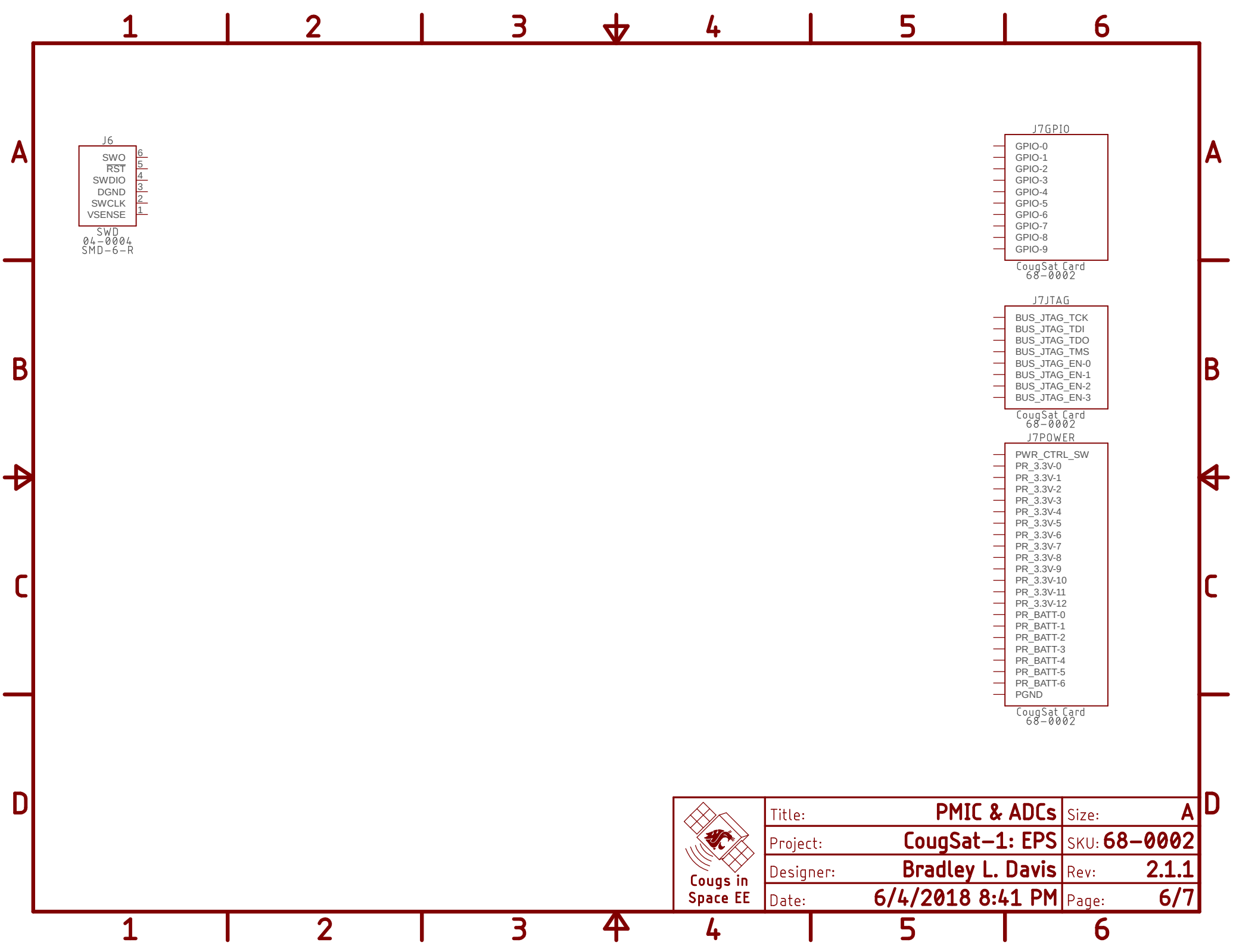
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Project:	<b>CougSat-1: EPS</b>	SKU:	<b>68-0002</b>
Designer:	<b>Bradley L. Davis</b>	Rev:	<b>2.1.1</b>
Date:	<b>6/4/2018 8:41 PM</b>	Page:	<b>4/7</b>

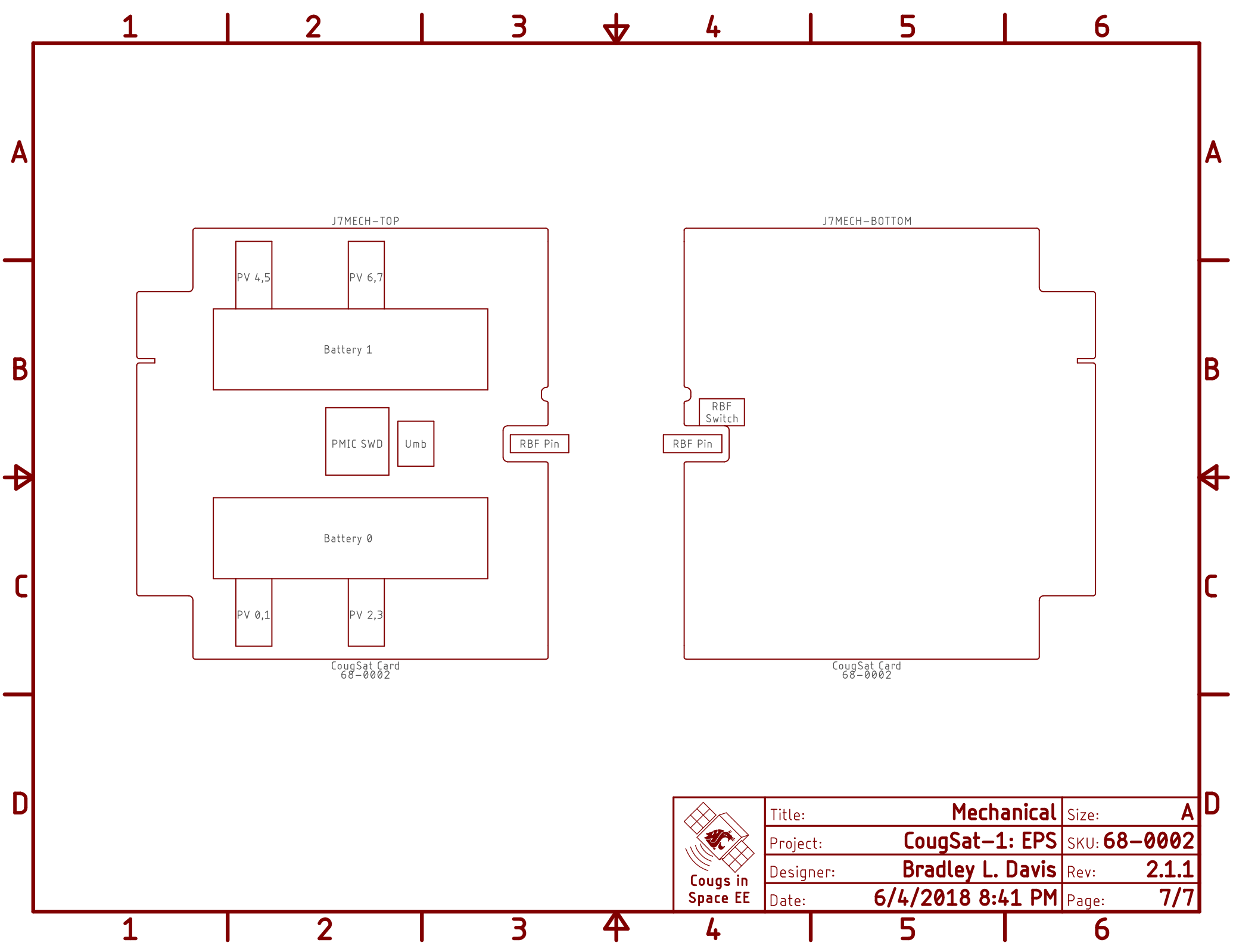


	J7DATA
—	BUS_I2C0_SDA
—	BUS_I2C0_SCL
—	BUS_I2C0_IRQ
—	BUS_I2C1_SDA
—	BUS_I2C1_SCL
—	BUS_I2C1_IRQ
—	BUS_SPI_SCK
—	BUS_SPI_MISO
—	BUS_SPI_MOSI
—	CTRL_RESET
—	CTRL_SYNC
—	COM_USART_TX
—	COM_USART_RX
—	COM_USART_CLK
—	COM_USART_IRQ

CougSat Card  
68-0002

 Cougs in Space EE	Title: <b>Power Rail Switching</b>	Size: <b>A</b>
	Project: <b>CougSat-1: EPS</b>	SKU: <b>68-0002</b>
	Designer: <b>Bradley L. Davis</b>	Rev: <b>2.1.1</b>
	Date: <b>6/4/2018 8:41 PM</b>	Page: <b>5/7</b>





Title:	Mechanical	Size:	A
Project:	Cougsat-1: EPS	SKU:	68-0002
Designer:	Bradley L. Davis	Rev:	2.1.1
Date:	6/4/2018 8:41 PM	Page:	7/7