

# ZMOD Scope Family

# rev C.0

## Variants:

- **Zmod Scope 1410-40: 14-bit, 40MSPS**
- **Zmod Scope 1410-105: 14-bit, 105MSPS**
- **Zmod Scope 1410-125: 14-bit, 125MSPS**
- **Zmod Scope 1210-40: 12-bit, 40MSPS**
- **Zmod Scope 1210-125: 12-bit, 125MSPS**
- **Zmod Scope 1010-40: 10-bit, 40MSPS**
- **Zmod Scope 1010-125: 10-bit, 125MSPS**

Sheet	Index	Sheet	Index	Sheet	Index
.....	.....	.....	.....	.....	.....
1	COVER PAGE	5	SCOPE REFERENCE	8	POD-MCU & RELAY
2	BLOCK DIAGRAM	6	ADC FOR SCOPE CHANNELS 1,2		DRIVERS
3	SCOPE CHANNEL 1	7	SYZYGY CONNECTOR	9	ANALOG POWER SUPPLIES
4	SCOPE CHANNEL 2				

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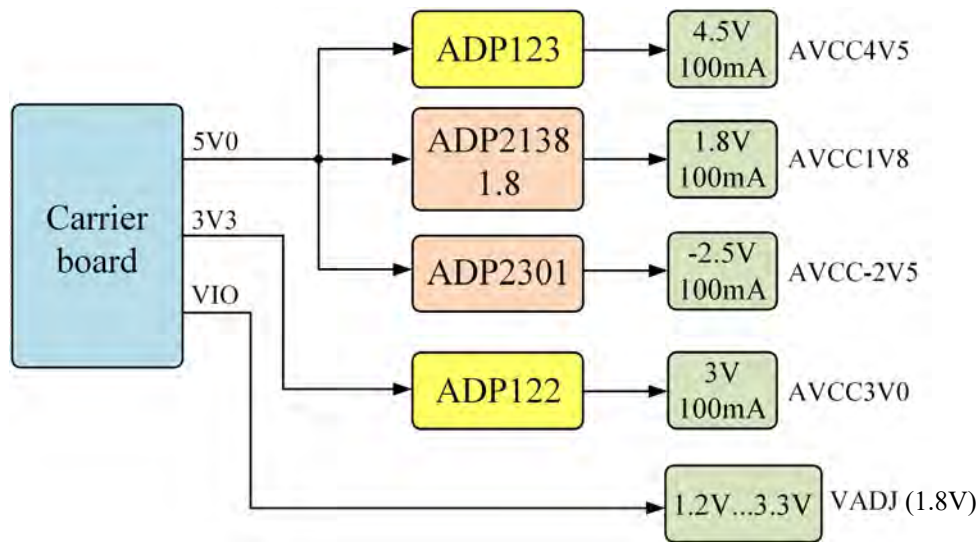
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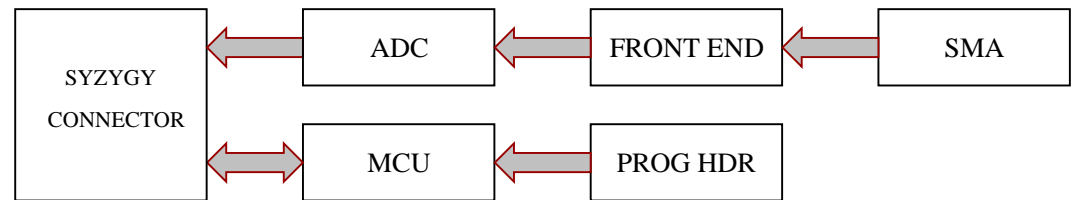
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Doc#	500-396	
Engineer	GTM	
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Date	12/17/2019	
Sheet#	1 out of 9	



### Power Tree

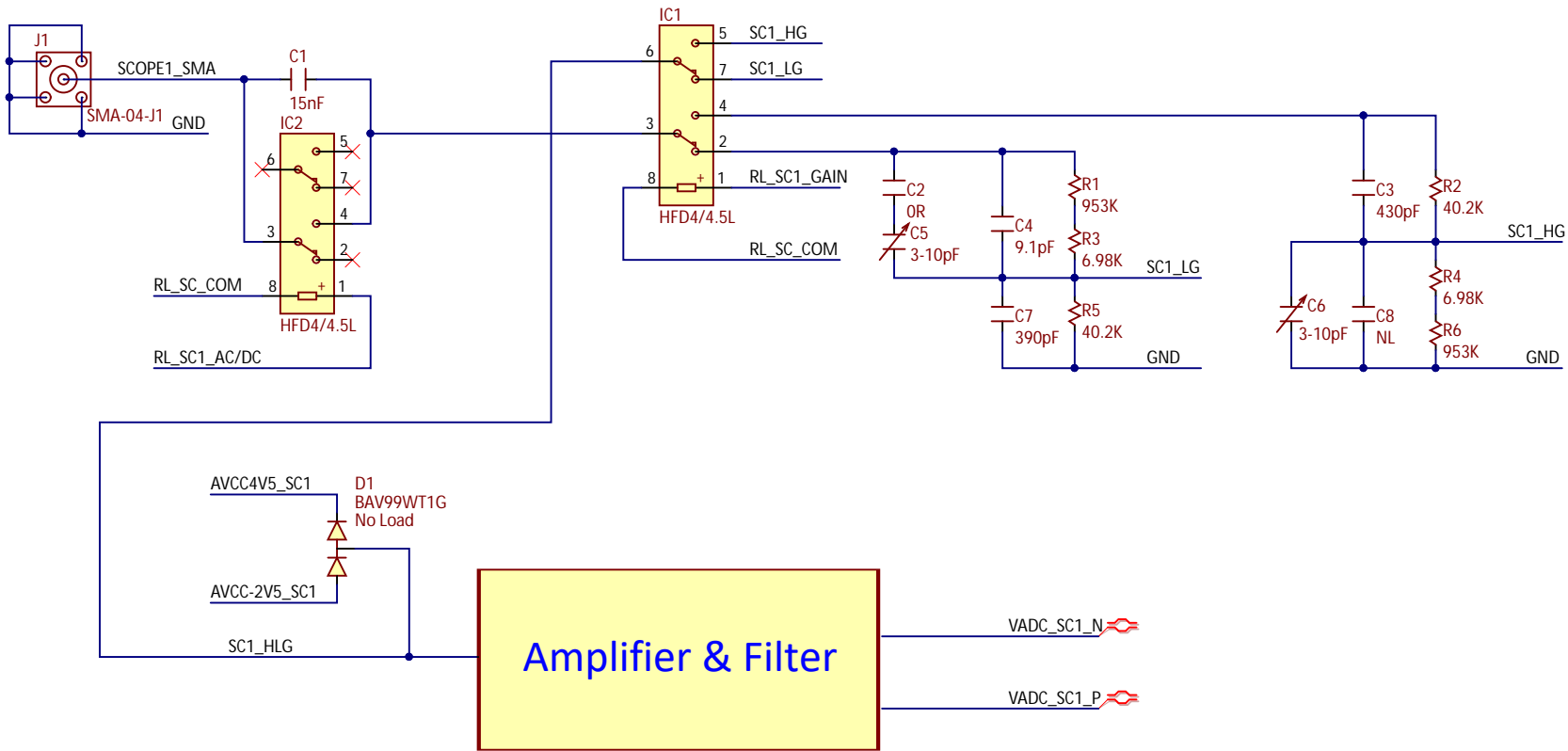


### Block Diagram

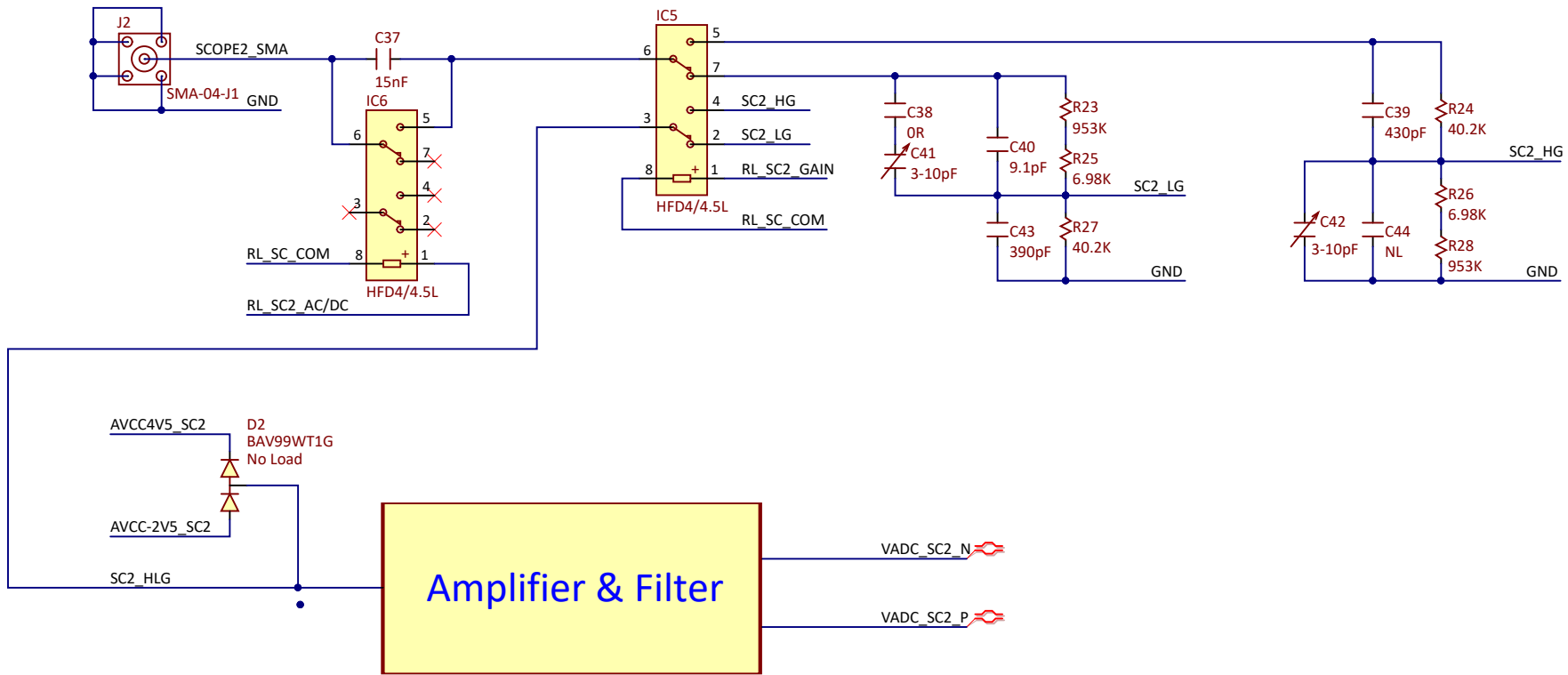


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Date	12/17/2019				
Sheet#	2 out of 9				





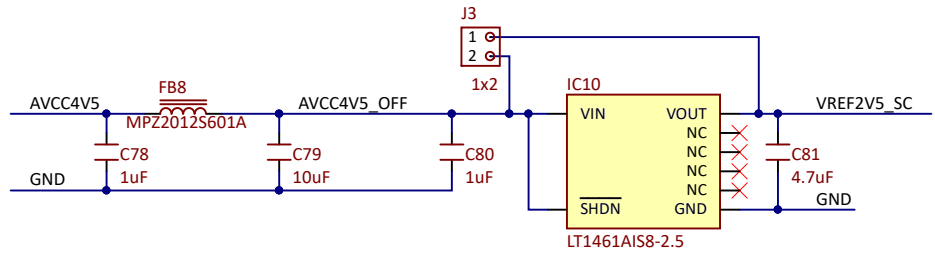
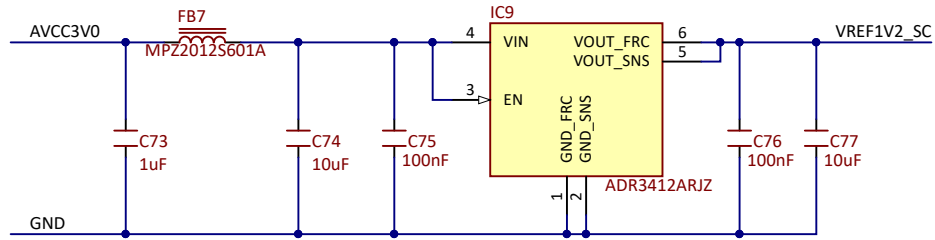
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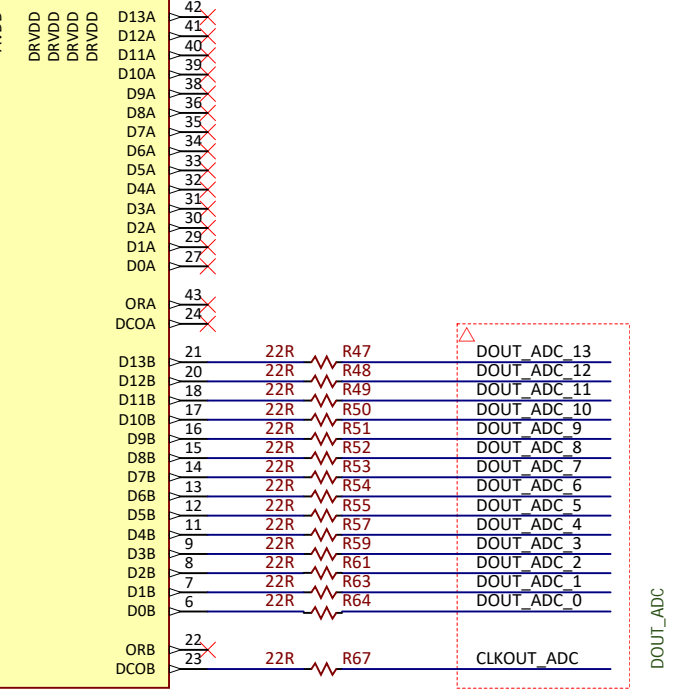
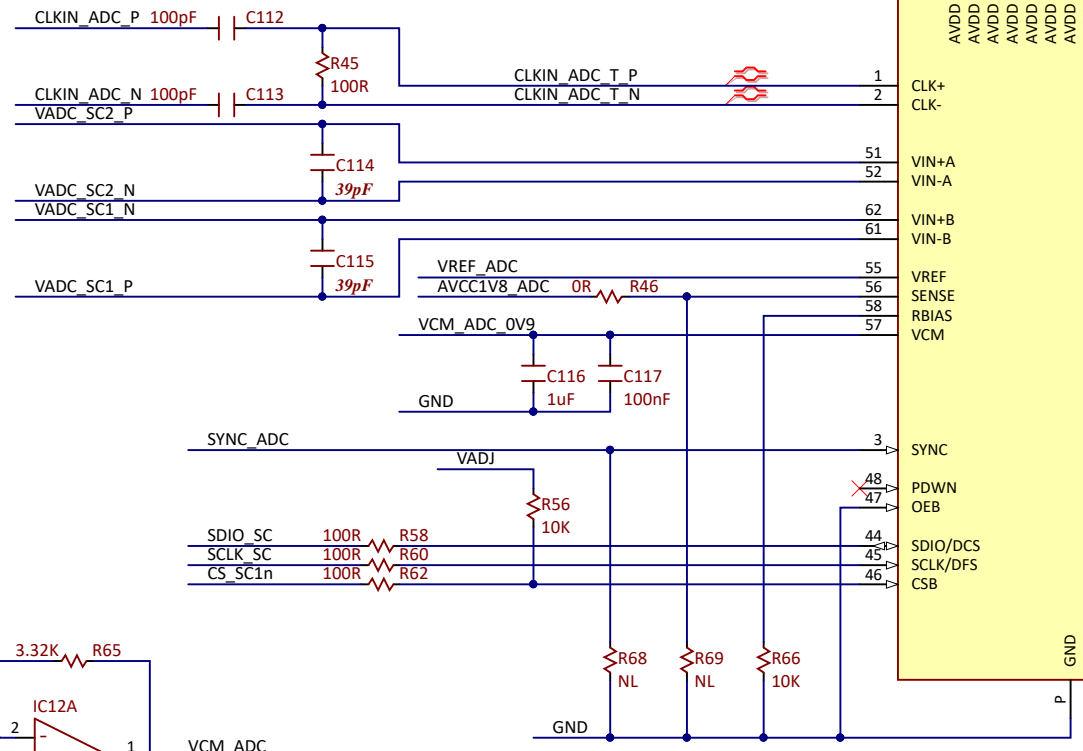
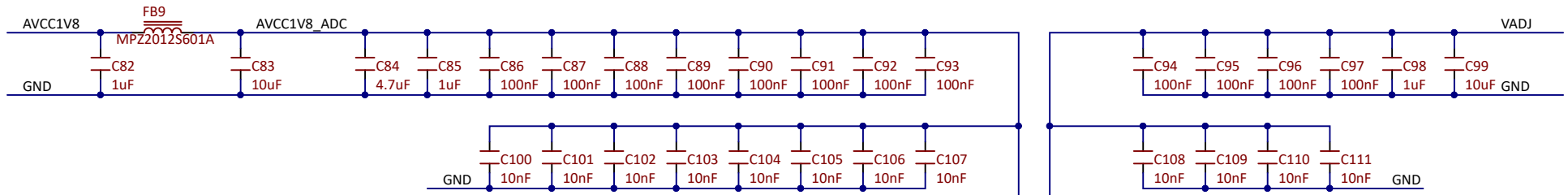
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Date	12/17/2019	
Sheet#	4 out of 9	



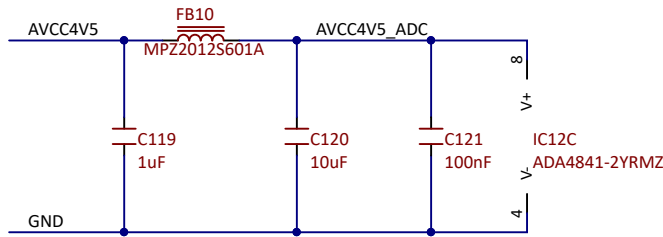
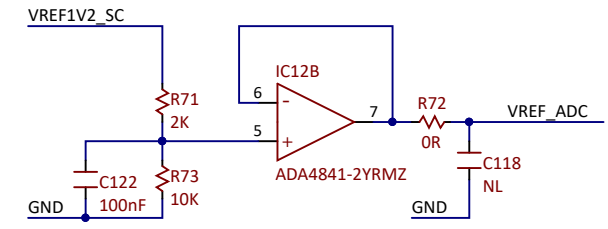
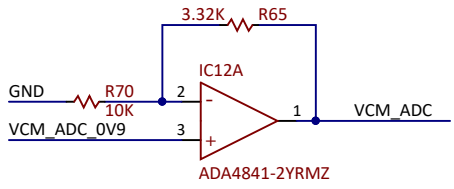


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Doc#	500-396				
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Author	DG				
Date	12/17/2019				
Sheet#	5 out of 9				

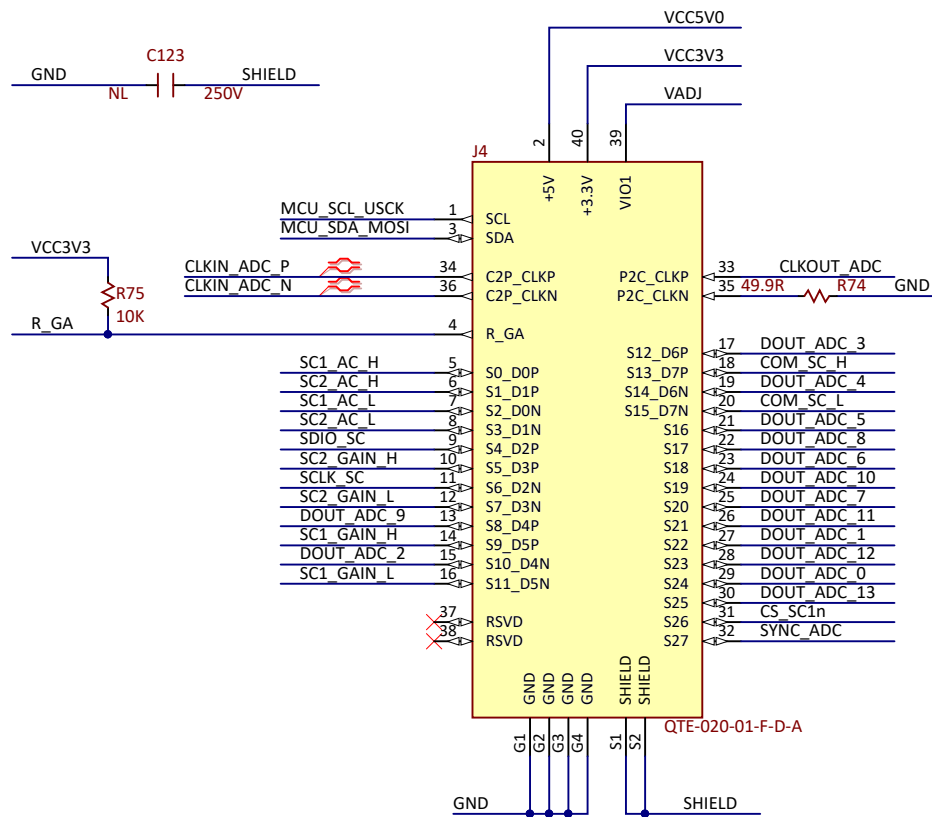


**ADC Population Options**

- Zmod Scope 1410-40: AD9251BCPZ-40
- Zmod Scope 1410-105: AD9648BCPZ-105
- Zmod Scope 1410-125: AD9648BCPZ-125
- Zmod Scope 1210-40: AD9231BCPZ-40
- Zmod Scope 1210-125: ADAD9628BCPZ-125
- Zmod Scope 1010-40: AD9204BCPZ-40
- Zmod Scope 1010-125: AD9608BCPZ-125



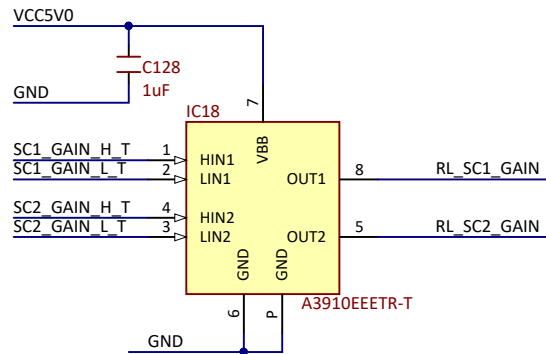
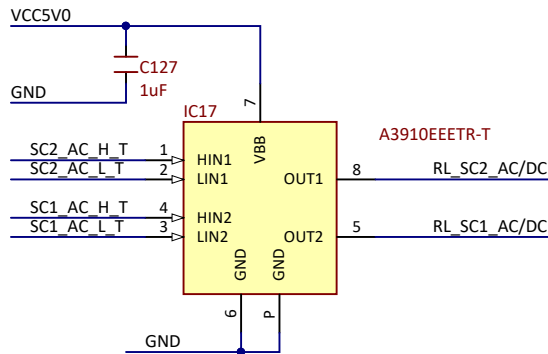
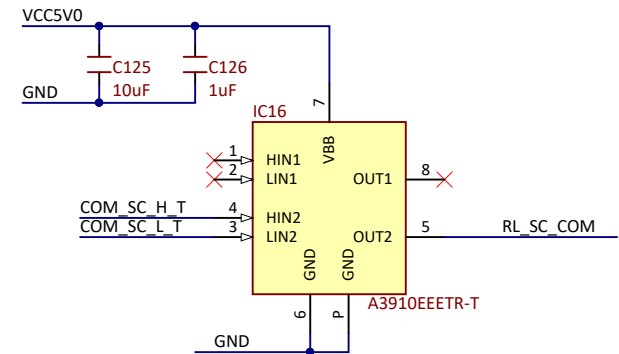
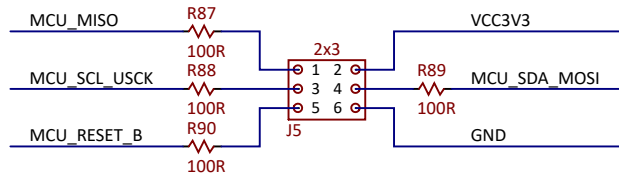
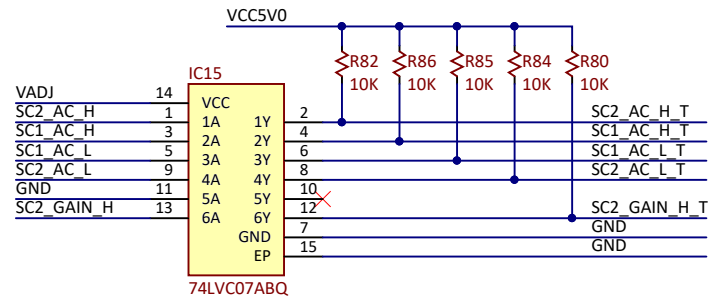
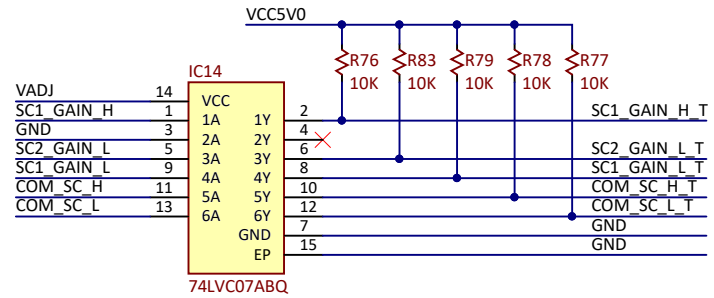
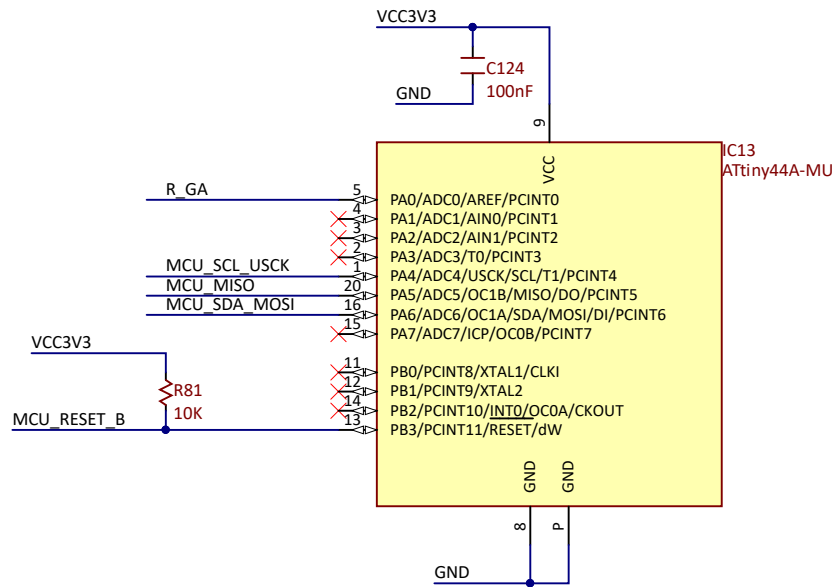
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Author	DG		
Date	12/17/2019		
Sheet#	6 out of 9		



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Author	DG		
Date	12/17/2019		
Sheet#	7 out of 9		



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Title		Rev	
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Author	GTM		
Date	DG		
Sheet#	12/17/2019		
	8 out of 9		

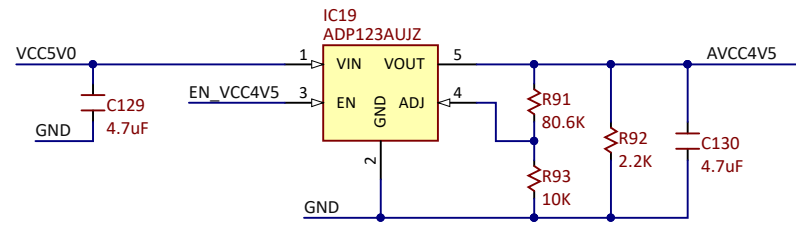


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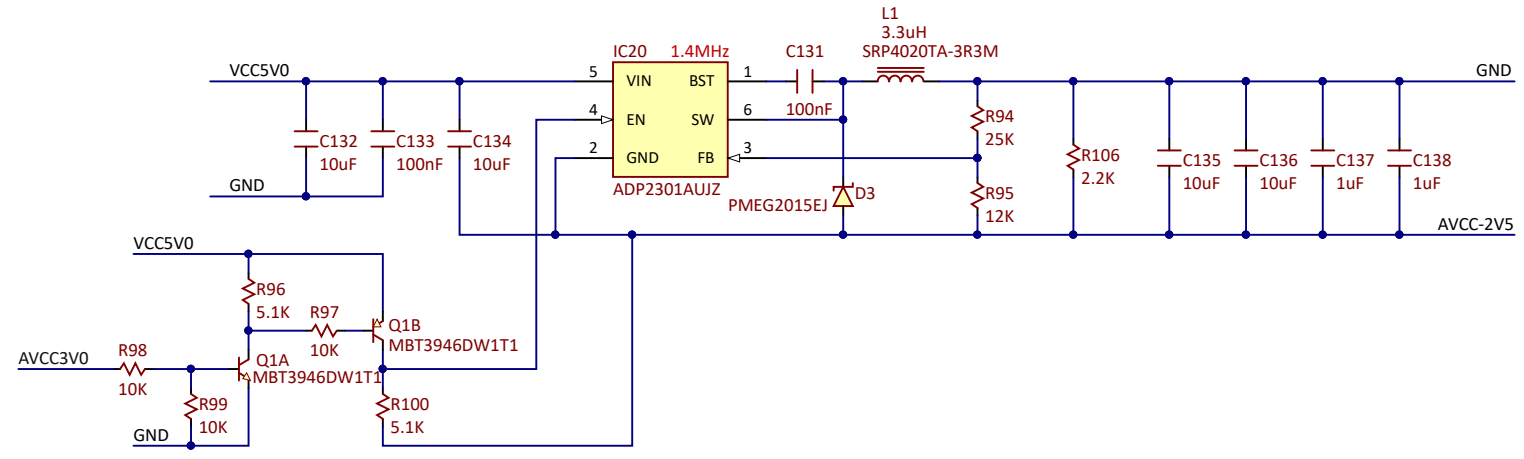
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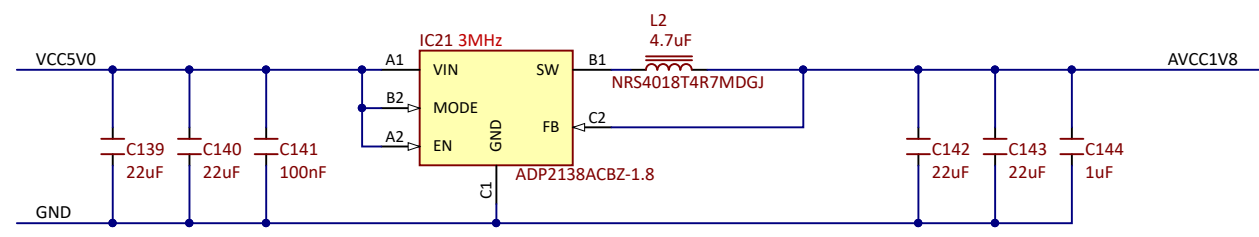
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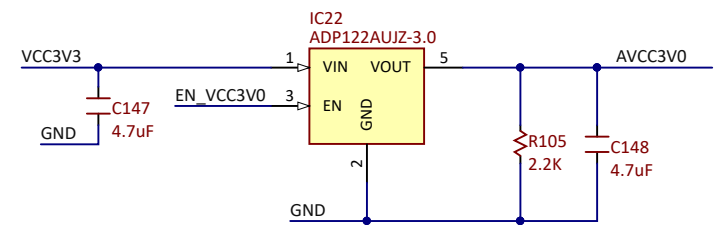
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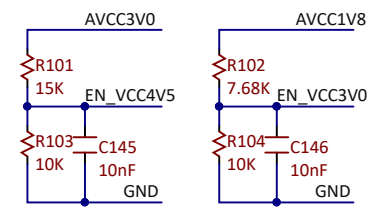
D

D



Sequence:

1. AVCC1V8 (ADC)
2. AVCC3V0 (diff amplifier)
3. AVCC-2V5, AVCC4V5 (input buffer, reference voltage)



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Doc#	500-396				
Engineer	GTM				
Author	DG				
Date	12/17/2019				
Sheet#	9 out of 9				