

ZMOD DIGITIZER

8/26/2022

Variant: 1430-125

A.2

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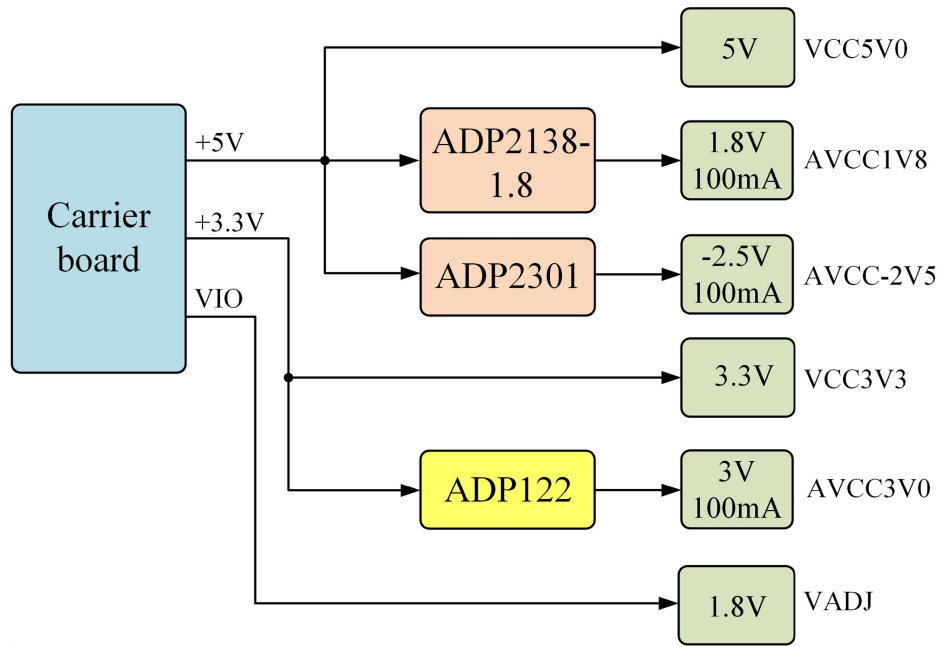
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Circuit	Cover Page	
Doc#	500-416	
Engineer	MD	
Author	BPE	
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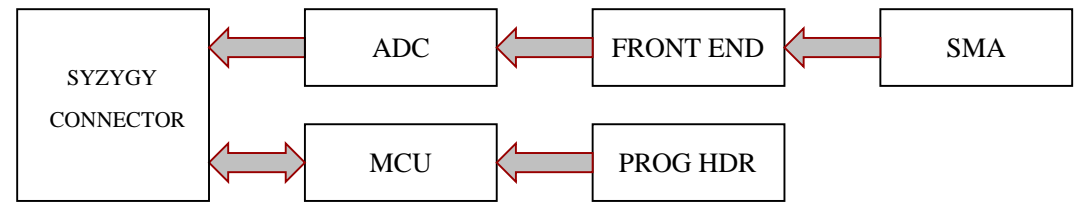
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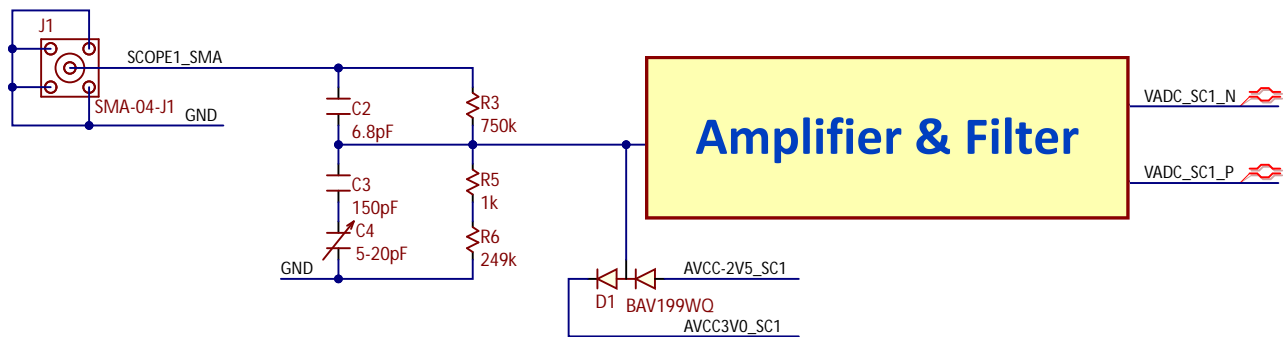
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Power Tree



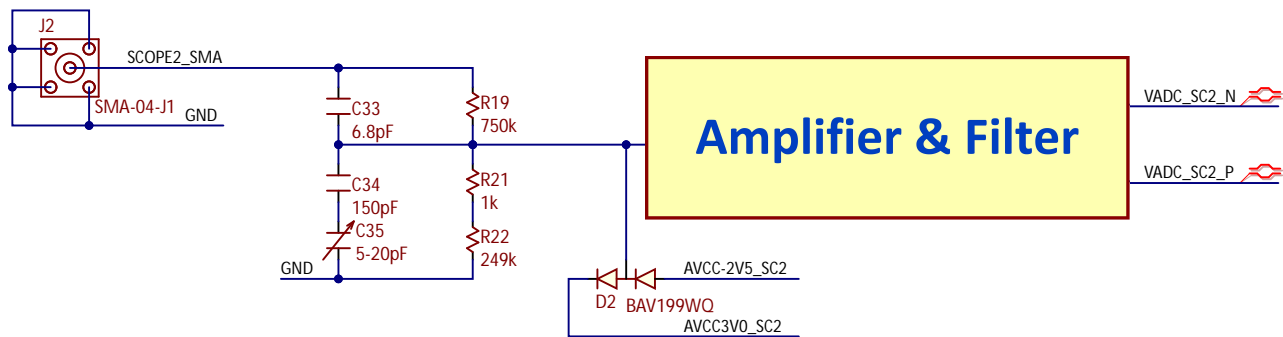
Block Diagram



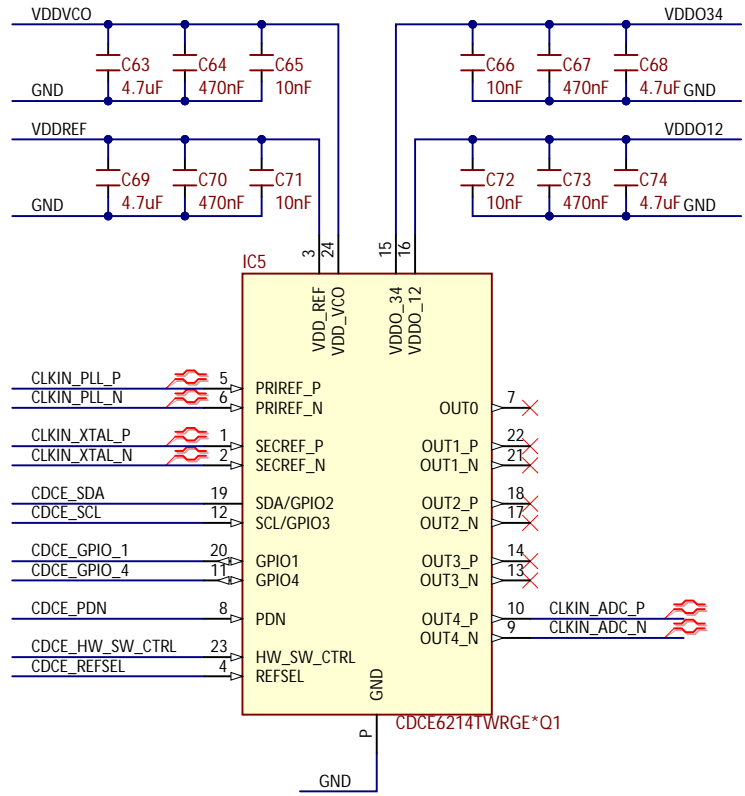
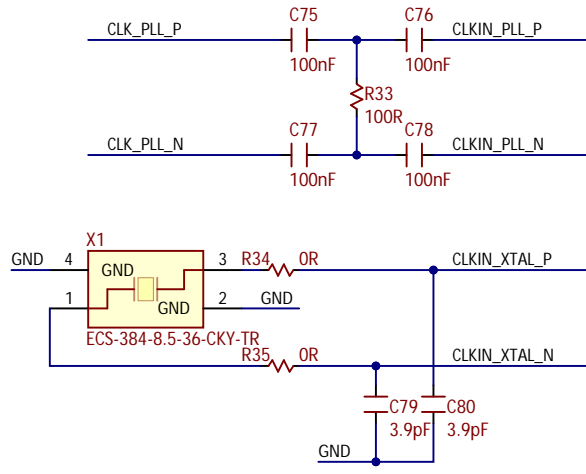


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Circuit		Scope Channel 1		Copyright 2022	
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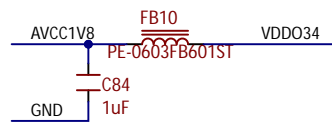
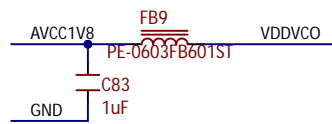
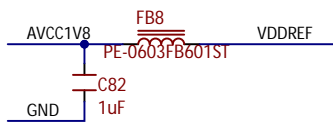
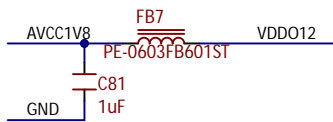




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Circuit Scope Channel 2		 DIGILENT [®] <i>A National Instruments Company</i>
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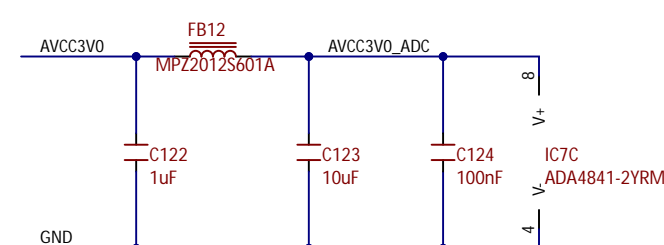
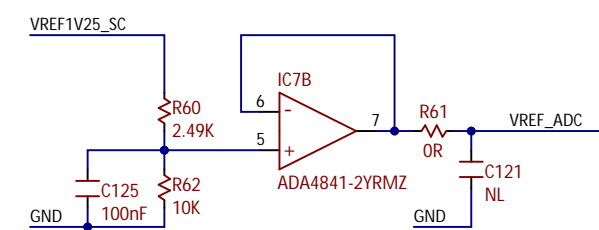
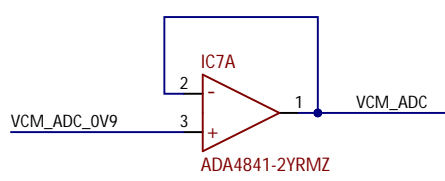
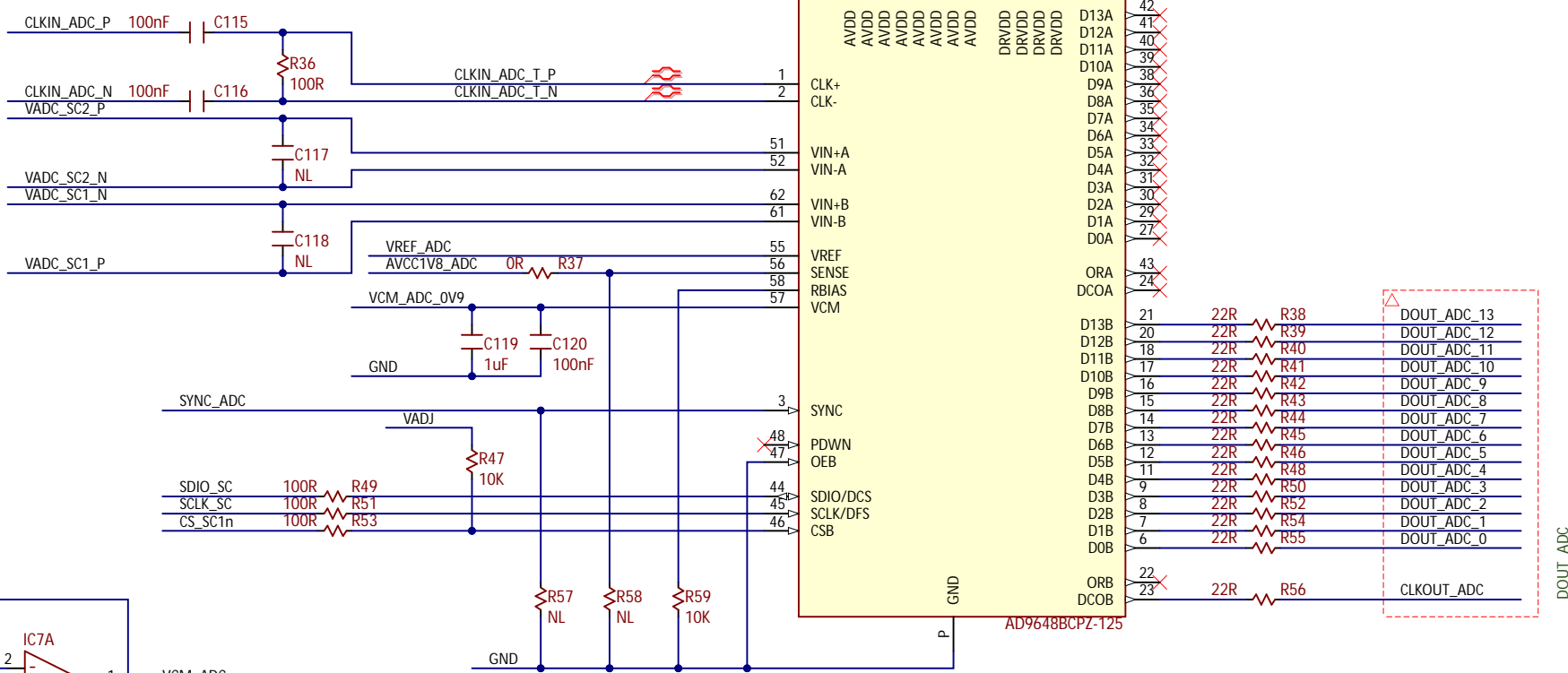
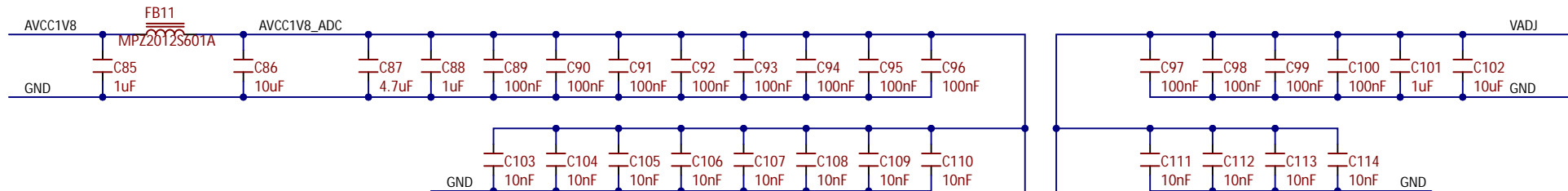


I2C address fall-back mode 0x67
 I2C address default mode 0x68
 I2C address with bit programmed in the EEPROM 0x69

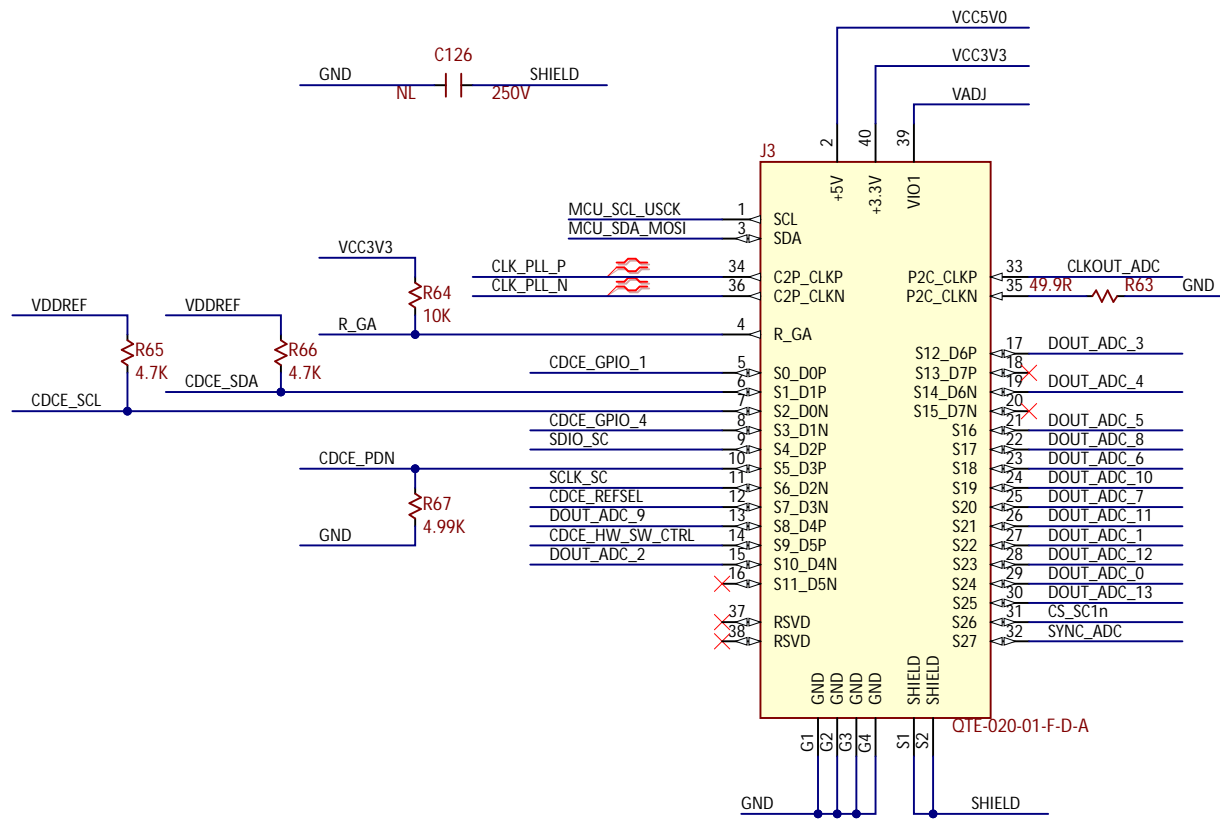


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Circuit Clock Generator		
Doc# 500-416		
Engineer MD		
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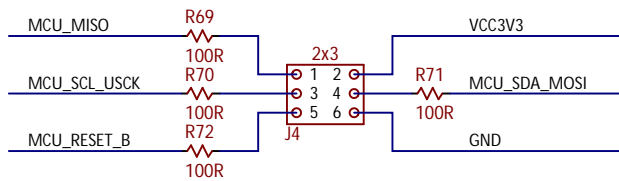
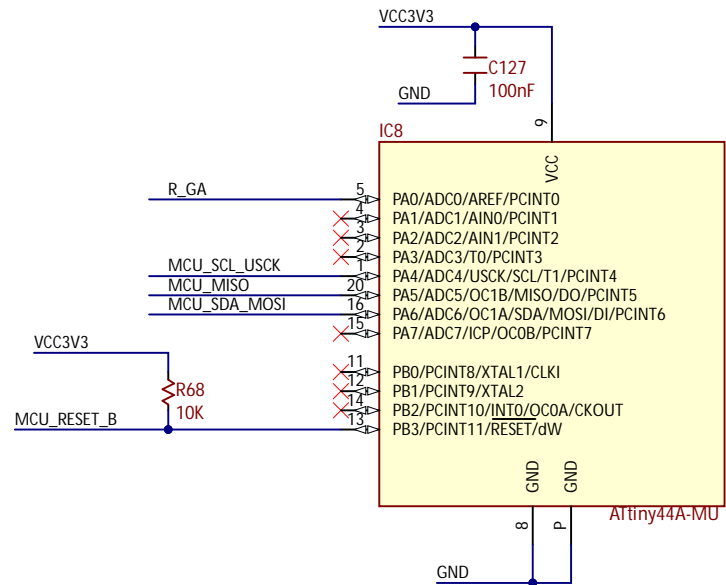




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Circuit ADC for Scope Channels 1,2		Copyright 2022
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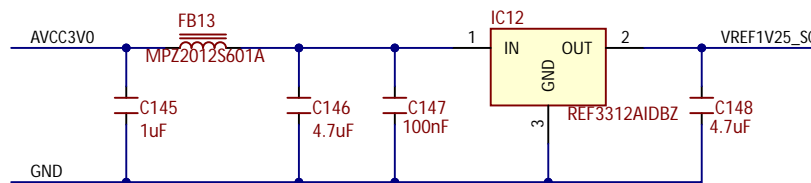
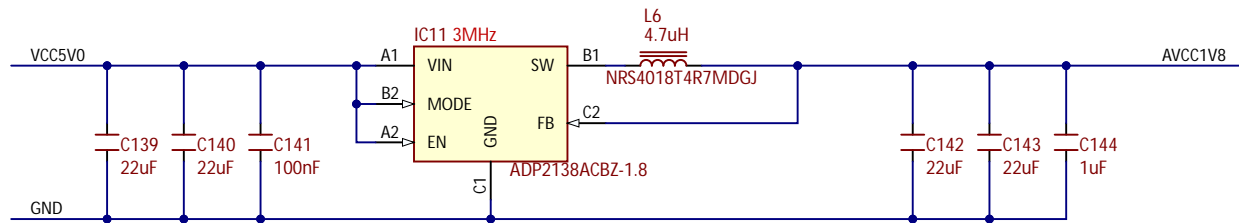
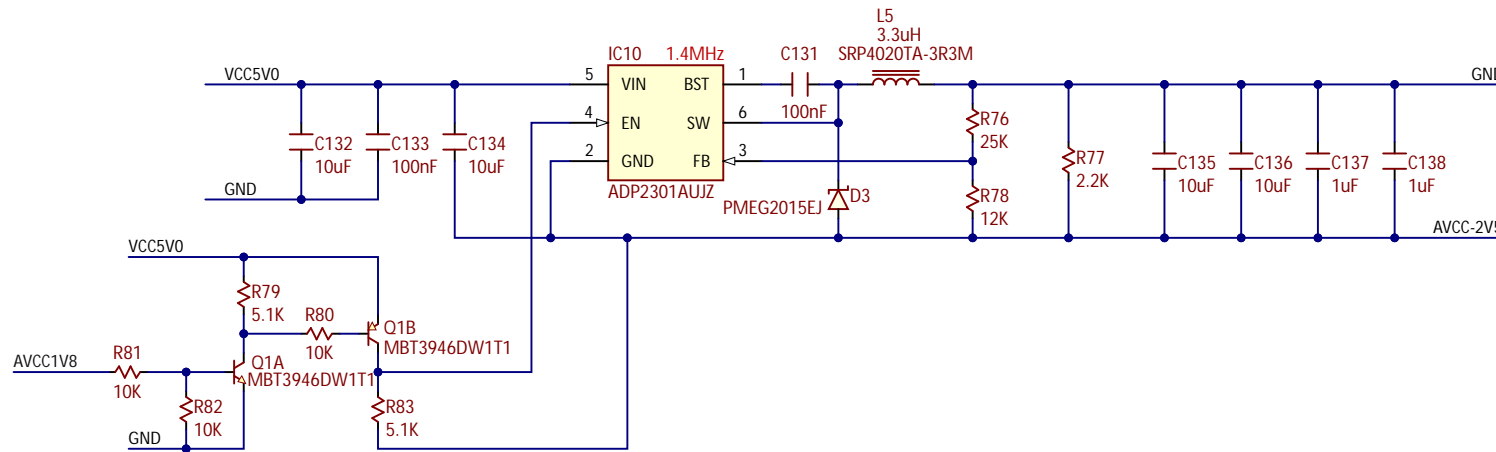
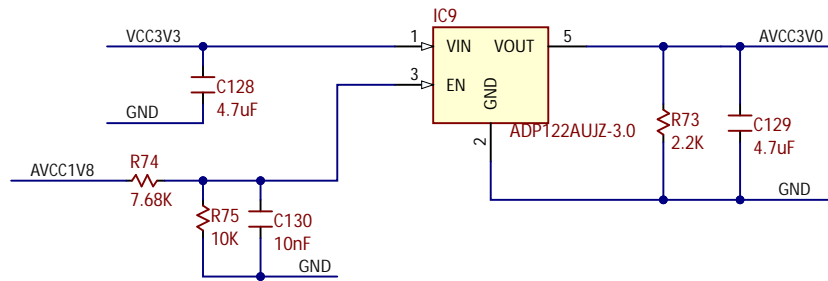


I2C address slot A 0x30
 I2C address slot B 0x31

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Circuit Zmod-MCU		
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Sequence:

- 1. AVCC1V8 (ADC)
- 2. AVCC-2V5, AVCC3V0 (input buffer, driver reference voltage)



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Analog Power Supplies		
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