







-  H1  
MountingHole
-  H3  
MountingHole
-  H4  
MountingHole
-  H5  
MountingHole
-  H7  
MountingHole
-  H8  
MountingHole

Sheet: /  
File: MainBoard.kicad\_sch

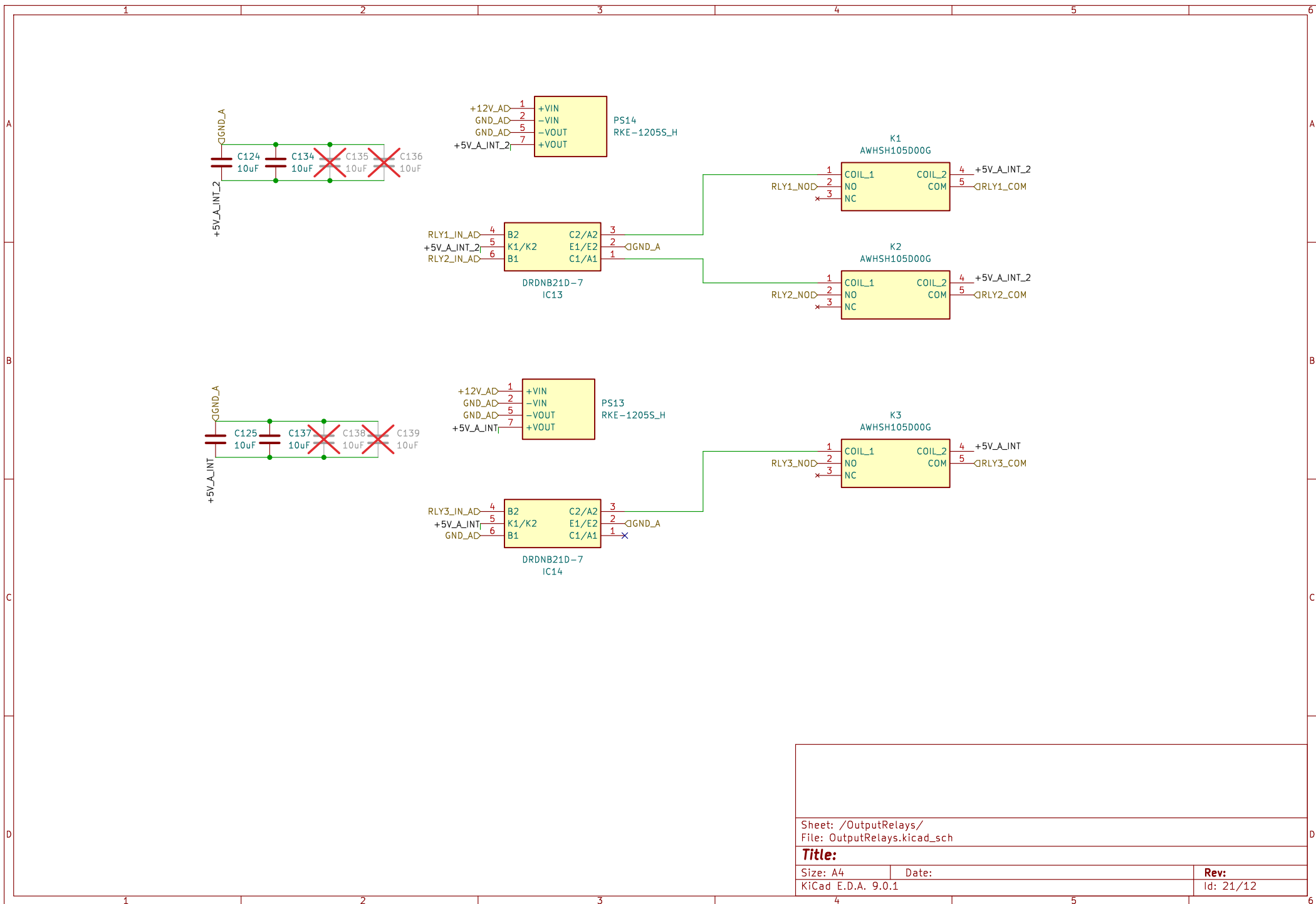
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KiCad E.D.A. 9.0.1	

Date:

Rev:  
Id: 1/12





Sheet: /OutputRelays/  
File: OutputRelays.kicad\_sch

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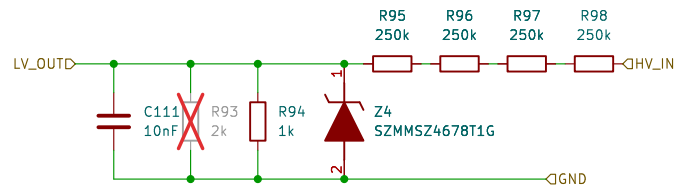
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KiCad E.D.A. 9.0.1

**Rev:**

Id: 21/12





ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/VoltageSenseInputStage3/  
File: VoltageSenseInputStage.kicad\_sch

**Title:**

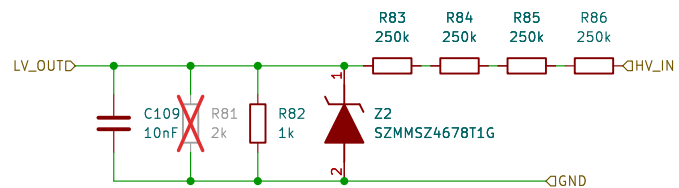
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Date:

**Rev:**

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Id: 3/12



ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/VoltageSenseInputStage1/  
File: VoltageSenseInputStage.kicad\_sch

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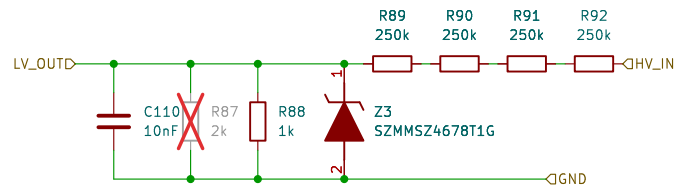
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Date:

**Rev:**

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Id: 4/12



ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/VoltageSenseInputStage2/  
File: VoltageSenseInputStage.kicad\_sch

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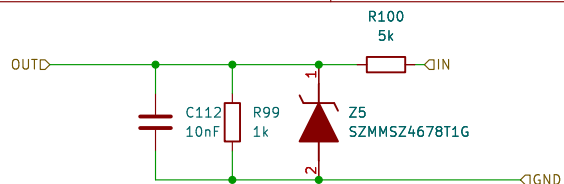
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Date:

**Rev:**

KiCad E.D.A. 9.0.1

Id: 5/12



ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/ADC2\_5VFILTER\_1/  
File: 5VADCFILTER.kicad\_sch

**Title:**

Size: A4

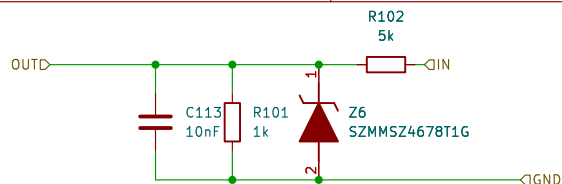
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**Rev:**

Id: 6/12





ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/ADC2\_5VFILTER\_2/  
File: 5VADCFILTER.kicad\_sch

**Title:**

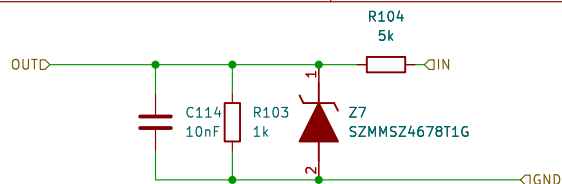
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Date:

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**Rev:**

Id: 7/12



ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/ADC2\_5VFILTER\_3/  
File: 5VADCFilter.kicad\_sch

**Title:**

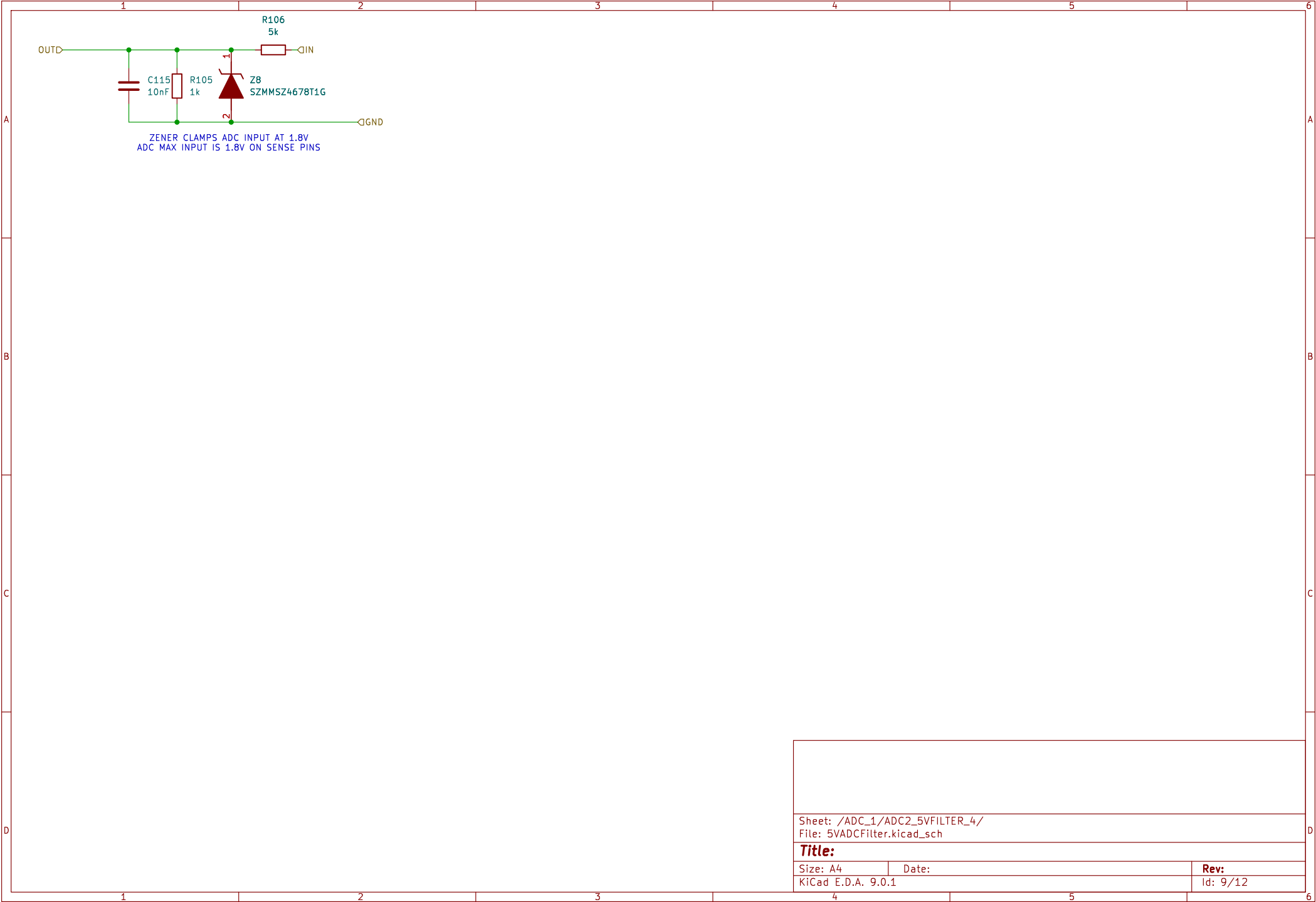
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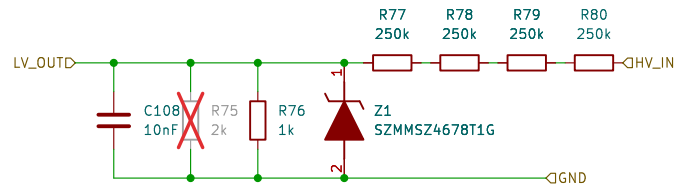
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**Rev:**

KiCad E.D.A. 9.0.1

Id: 8/12





ZENER CLAMPS ADC INPUT AT 1.8V  
ADC MAX INPUT IS 1.8V ON SENSE PINS

Sheet: /ADC\_1/VoltageSenseInputStage/  
File: VoltageSenseInputStage.kicad\_sch

**Title:**

Size: A4

Date:

**Rev:**

KiCad E.D.A. 9.0.1

Id: 10/12