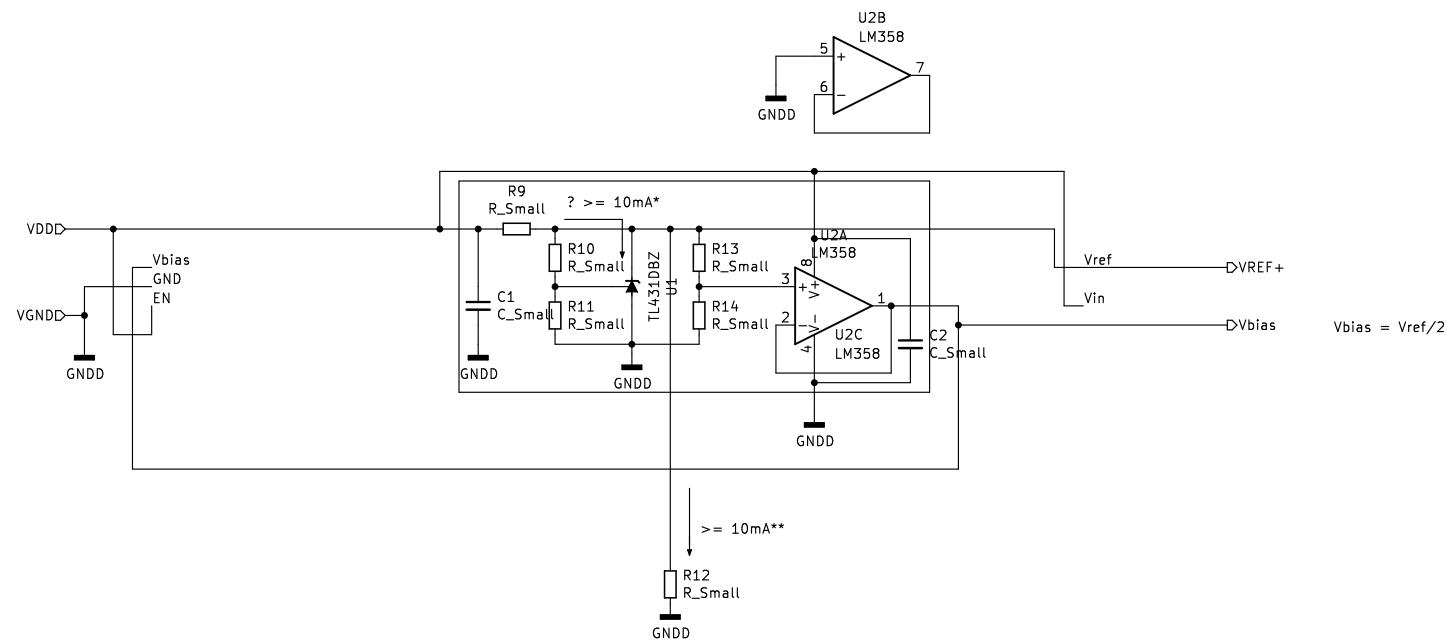


This schematic implemented for using cheap components. The precision accuracy not needed yet.

REF1941 – is too expensive and unavailable



\* Ensure that the consumption is more than 10 mA. It helps to avoid a noise voltage generations.  
 \*\* If the consumption from TL431 is more than 10mA, then the addition res. is not required.

Vref ICs: (for bias 2.048V purpose)  
 possible min Vout = 1.24V  
 1. TLVH431  
 2. LMV431  
 3. LMV431  
 4. LM4041  
 5. LM4041-N  
 6. LM4051-N

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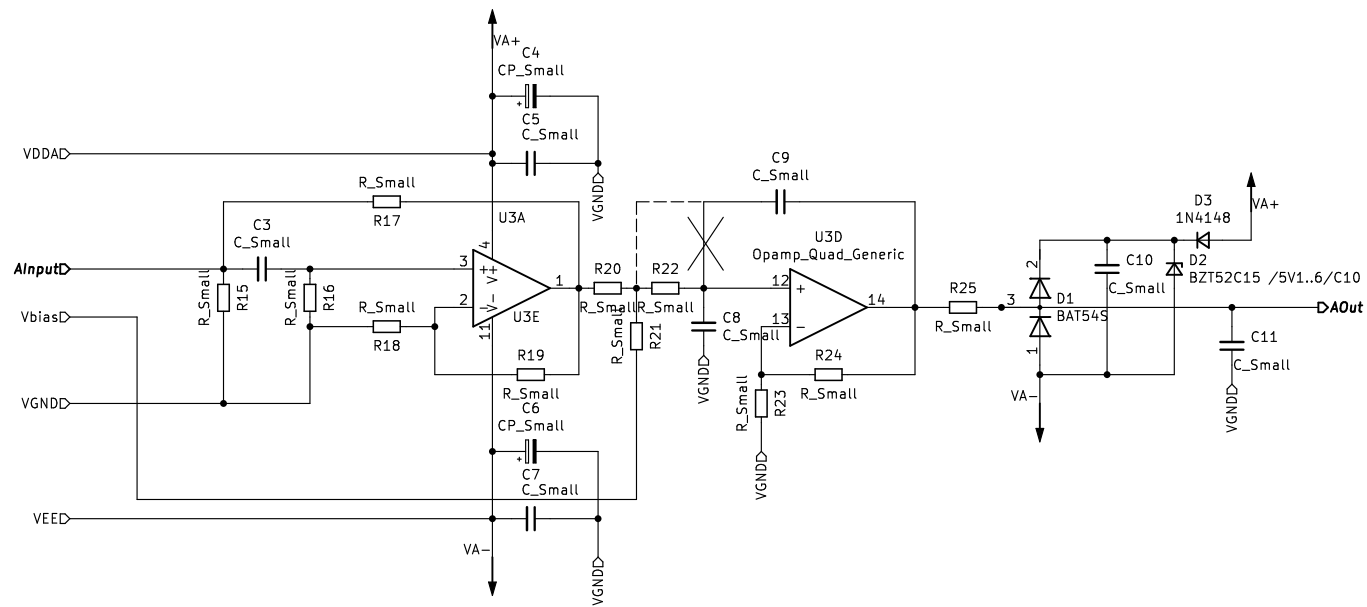
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**Rev:**

Id: 2/6



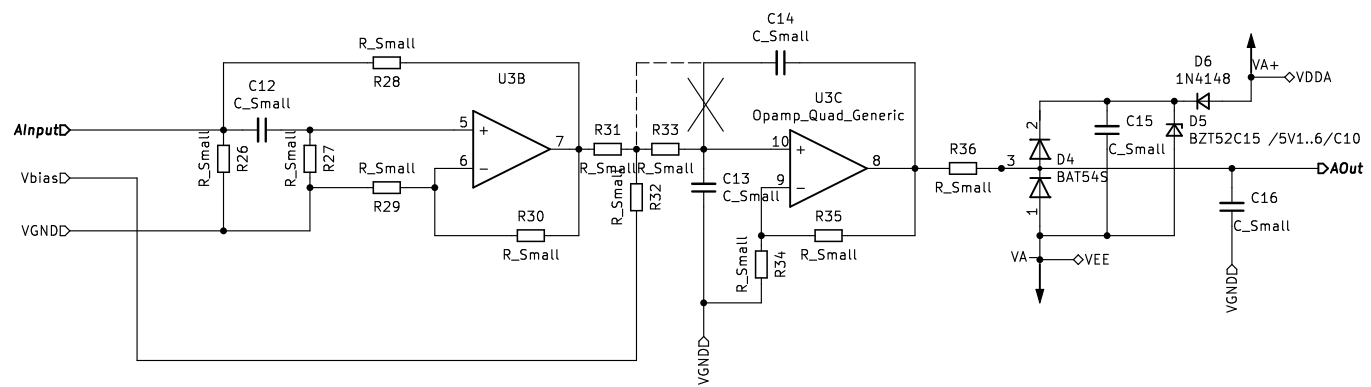
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Date:

**Rev:**  
Id: 3/6



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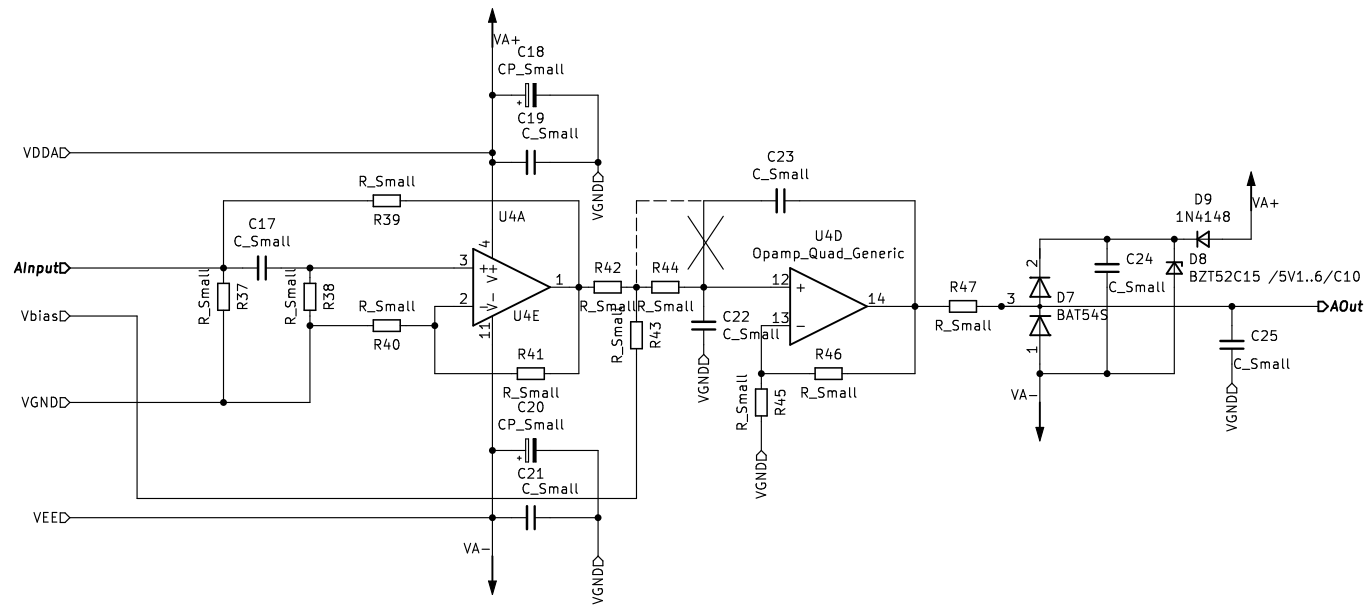
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**Rev:**

Id: 4/6



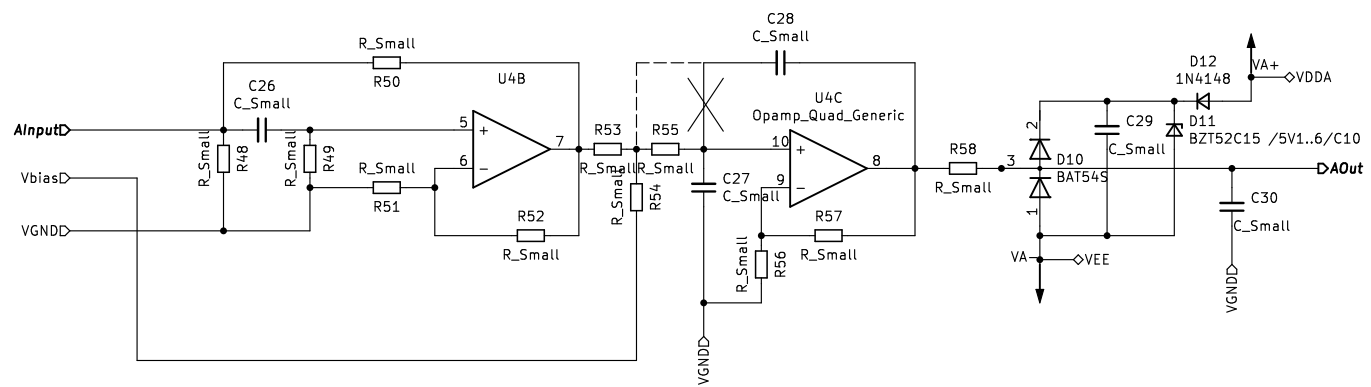
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Date:

Rev:  
Id: 5/6



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Date:

Rev:  
Id: 6/6