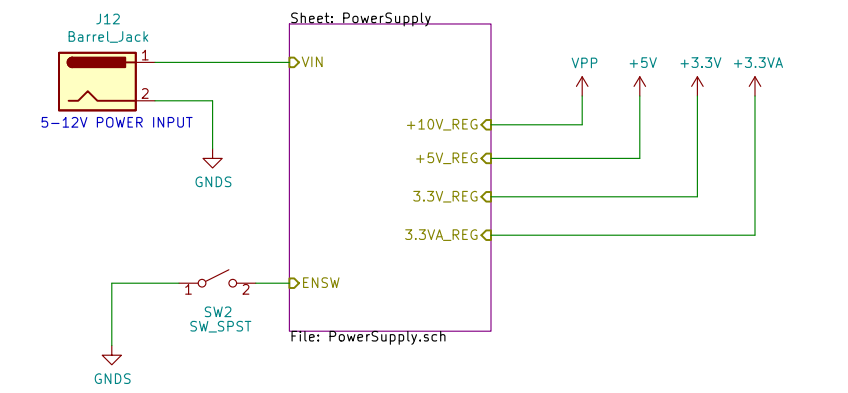
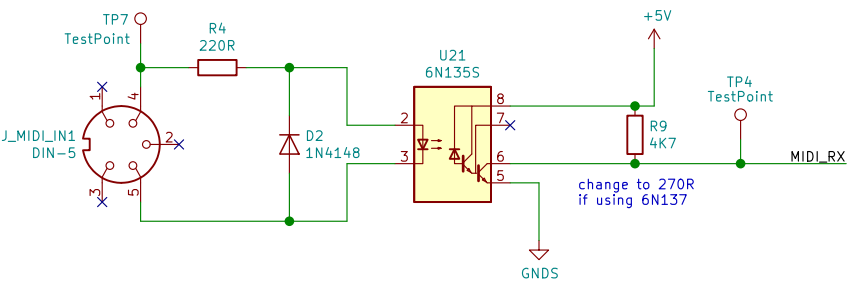


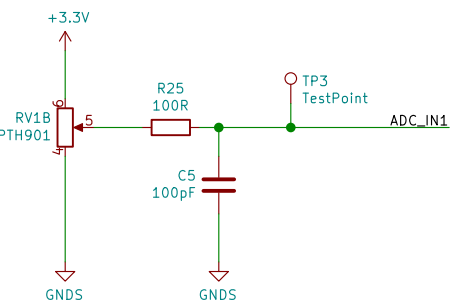
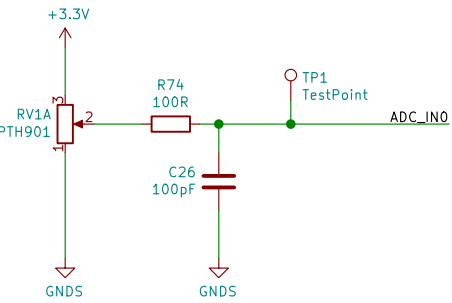
Power Supply / Regulation



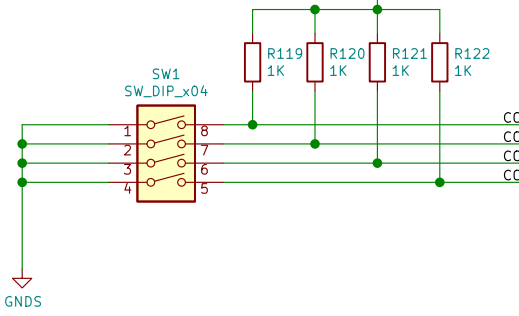
MIDI Input



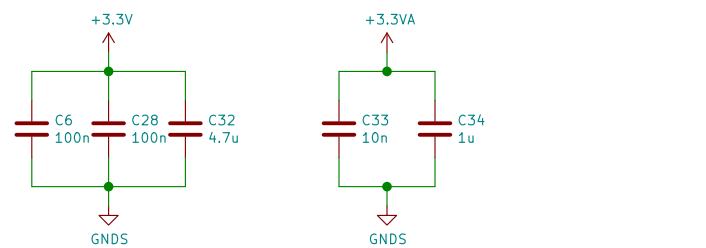
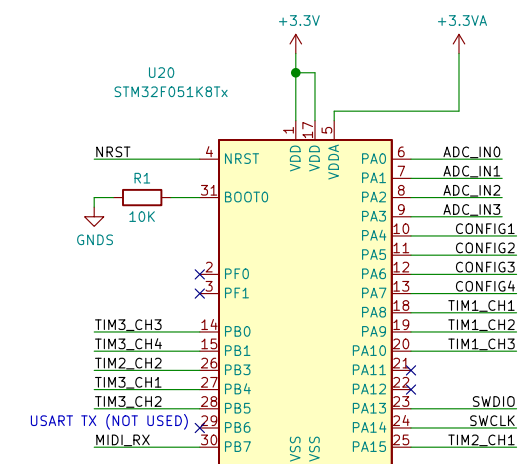
Brightness Control



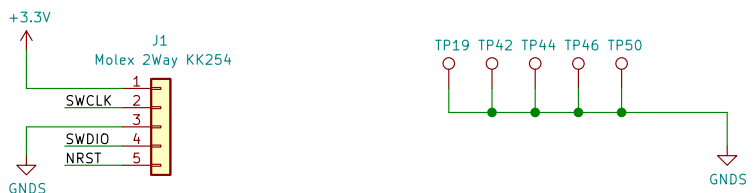
Config Switches



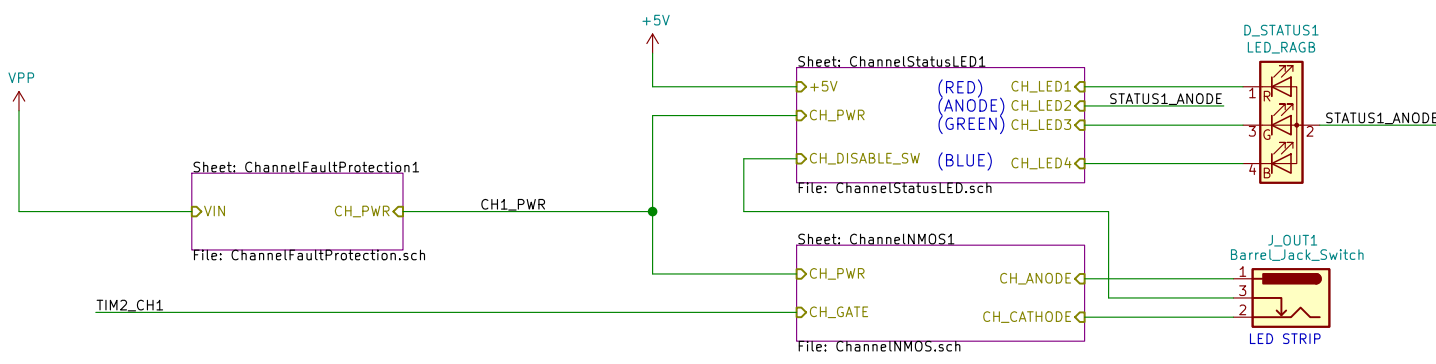
MicroController



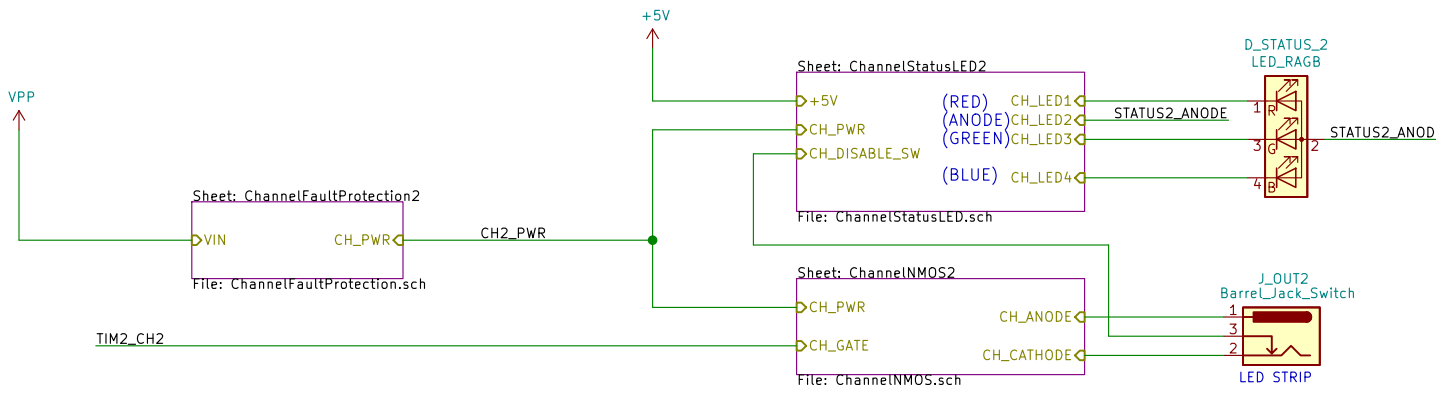
ICSP



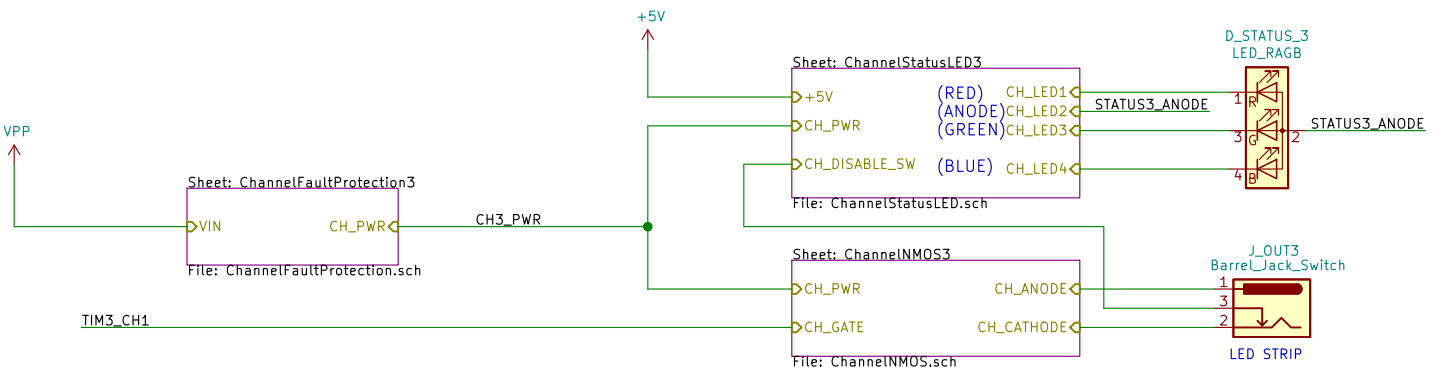
Output Channel 1



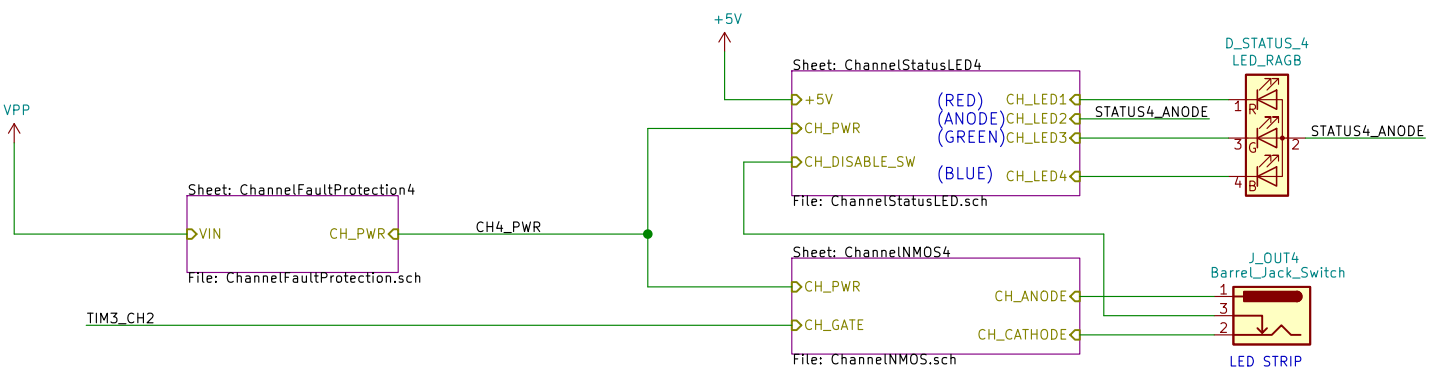
Output Channel 2



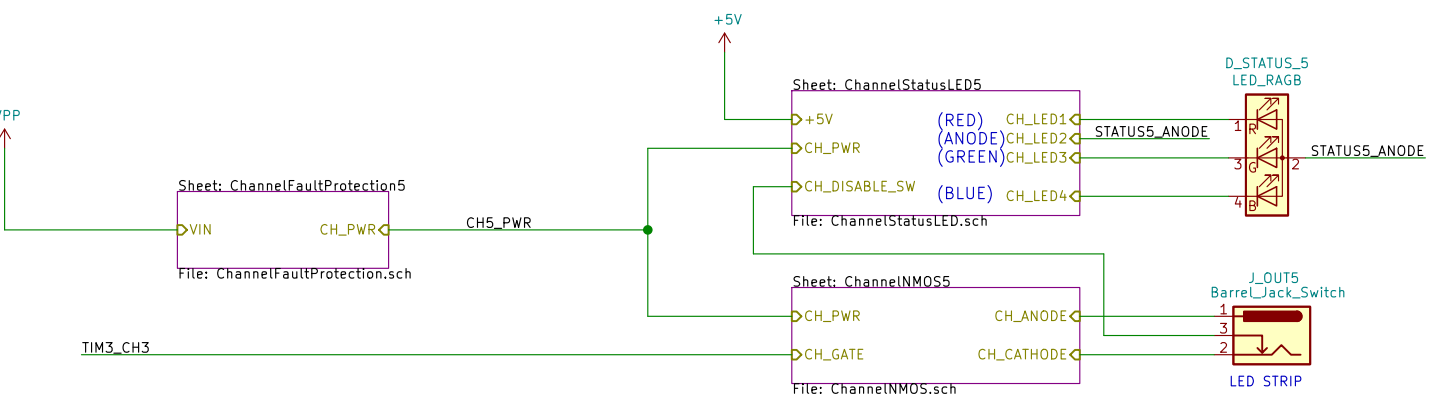
Output Channel 3



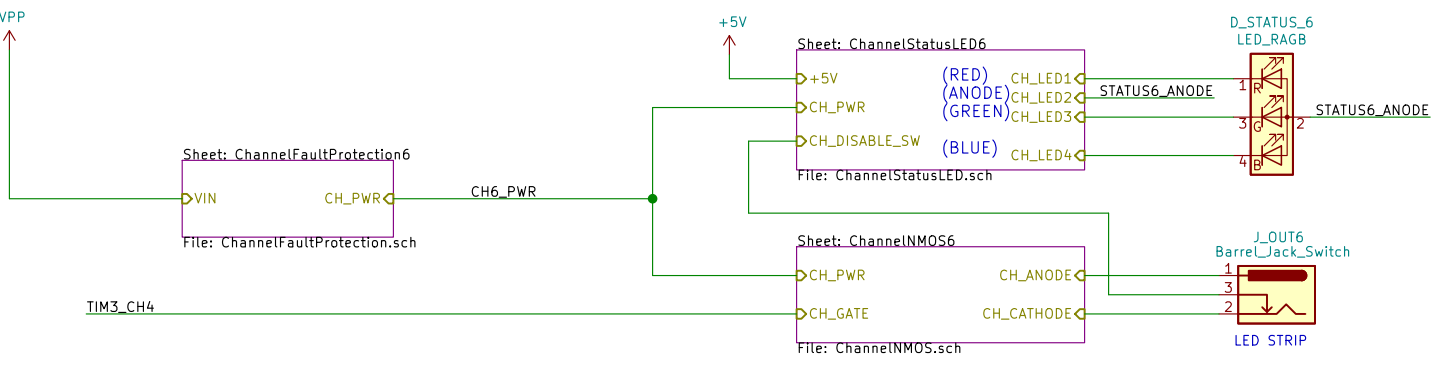
Output Channel 4



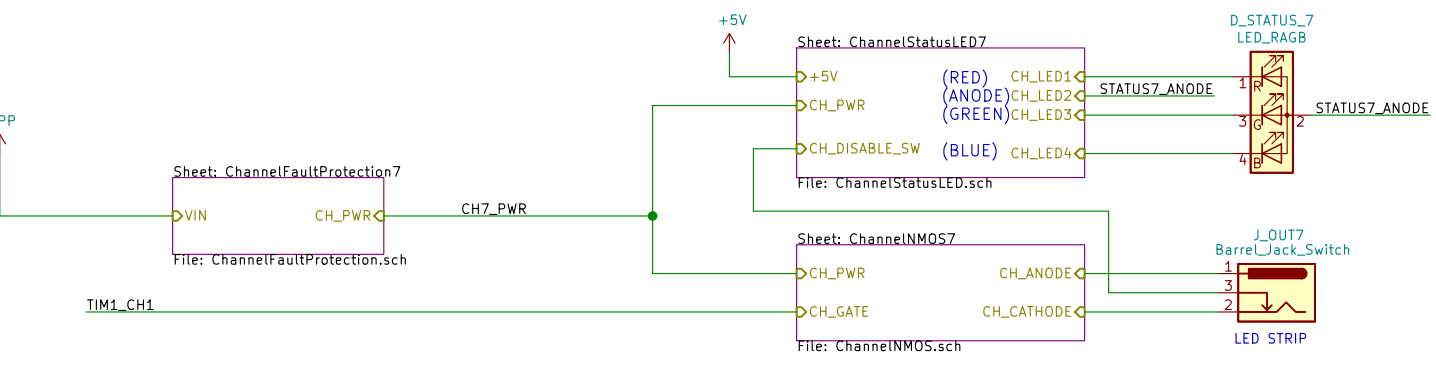
Output Channel 5



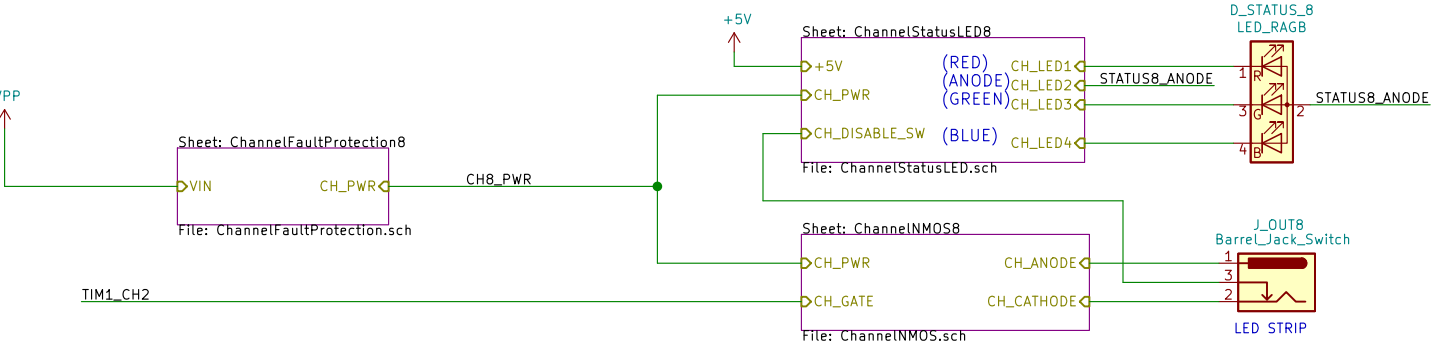
Output Channel 6



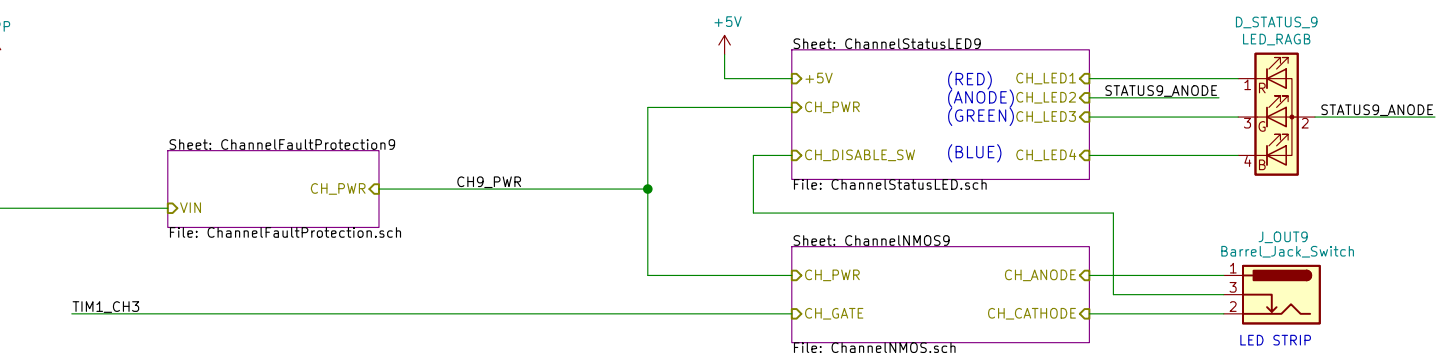
Output Channel 7

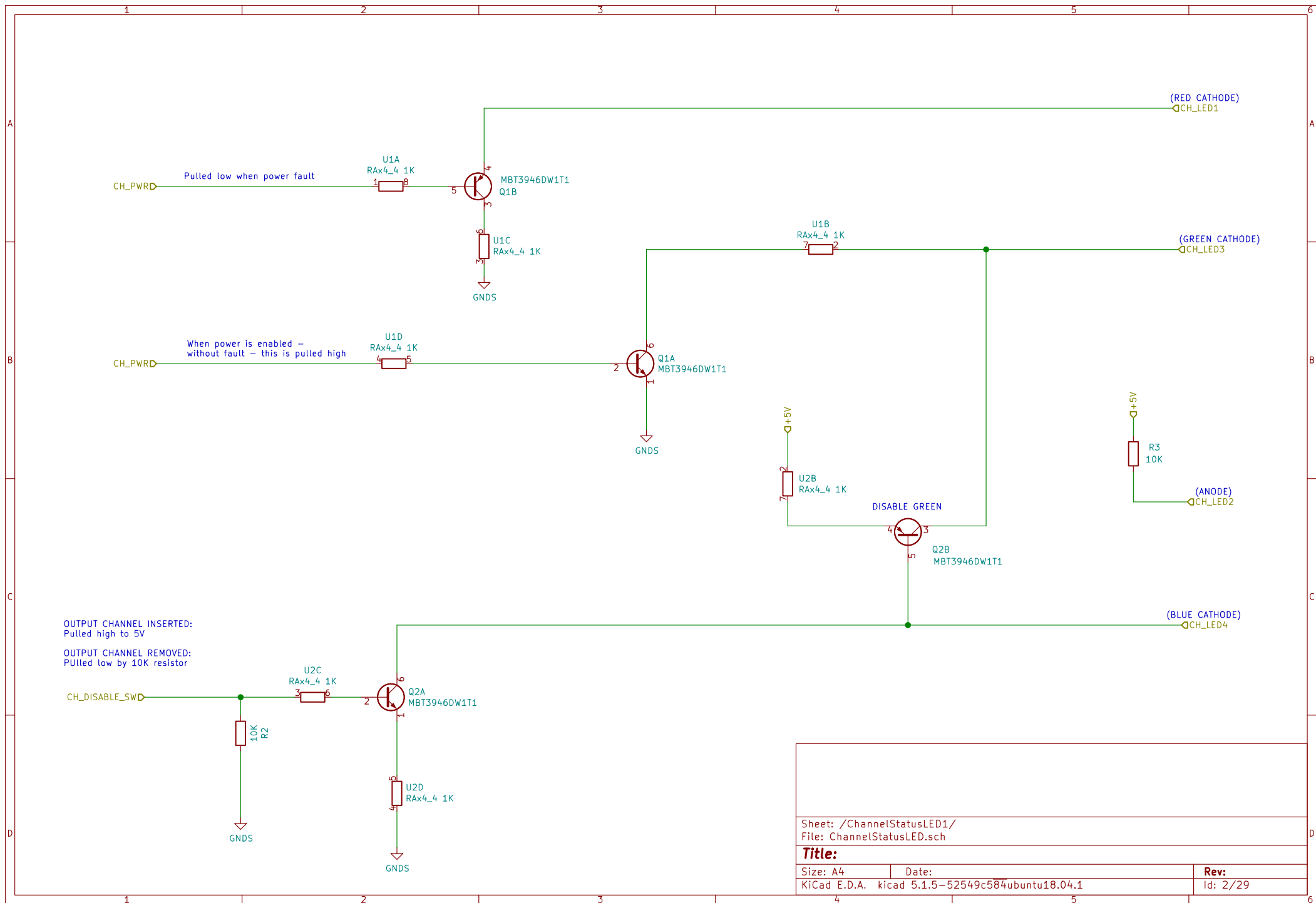


Output Channel 8



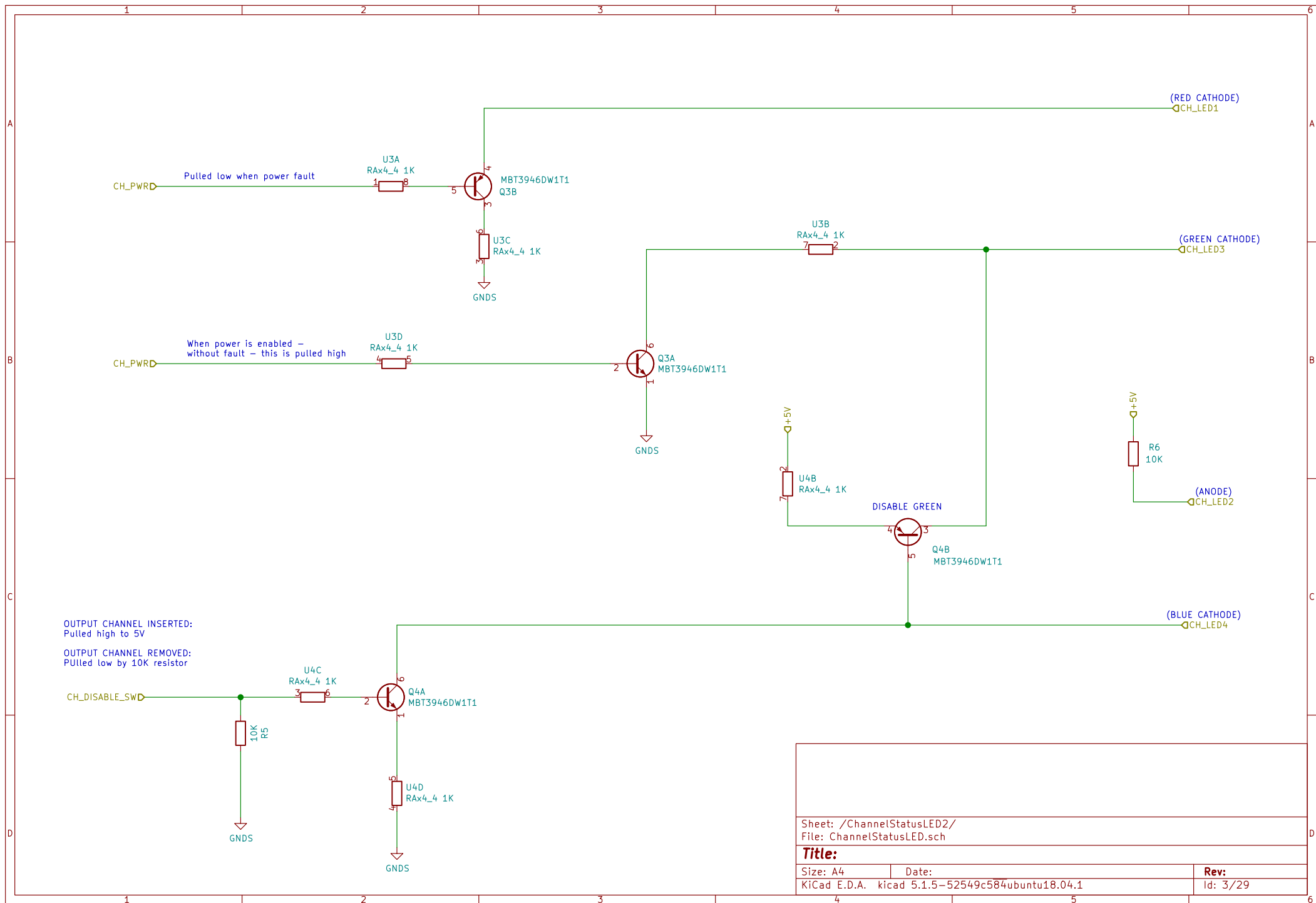
Output Channel 9





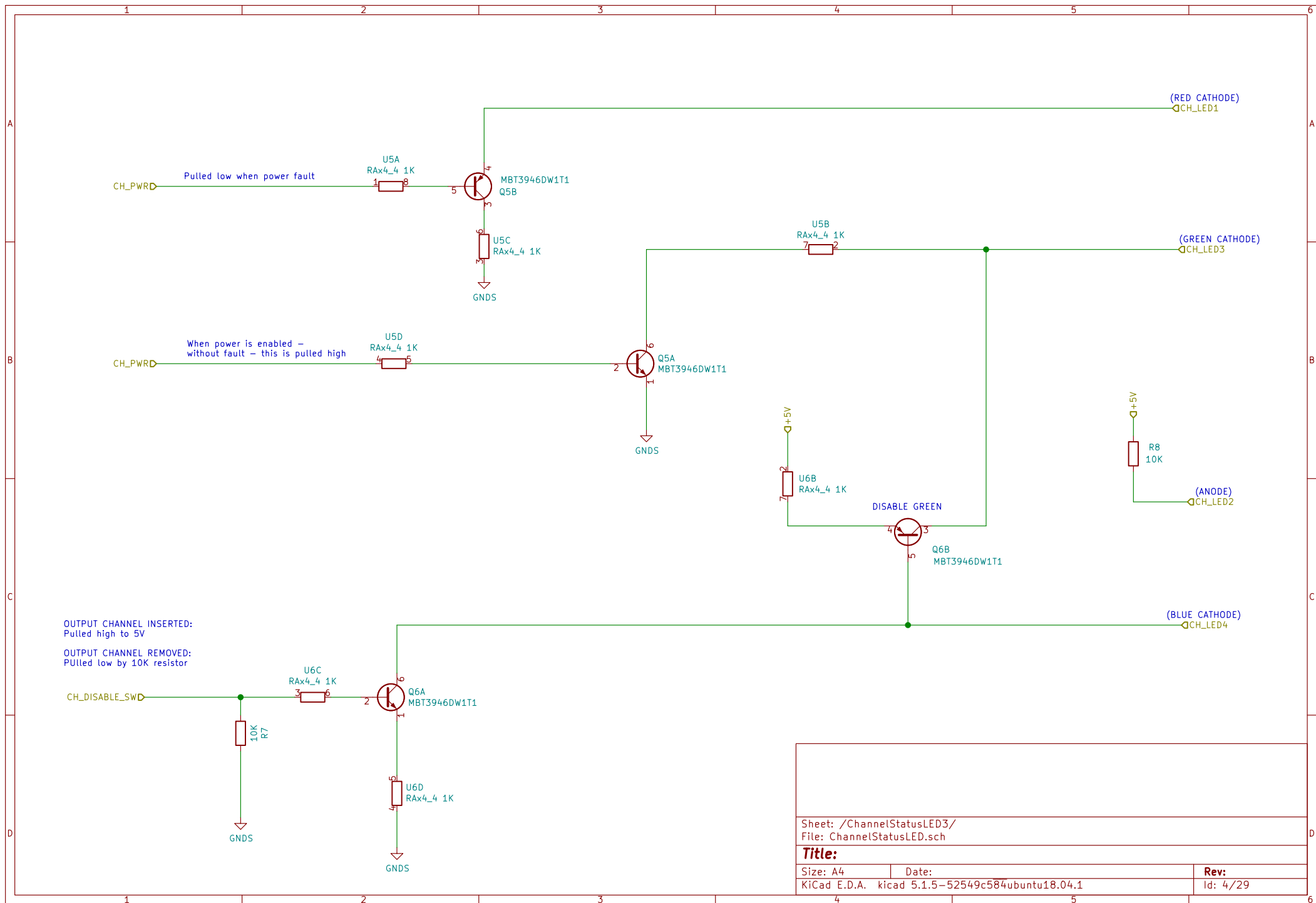
Sheet: /ChannelStatusLED1/  
File: ChannelStatusLED.sch

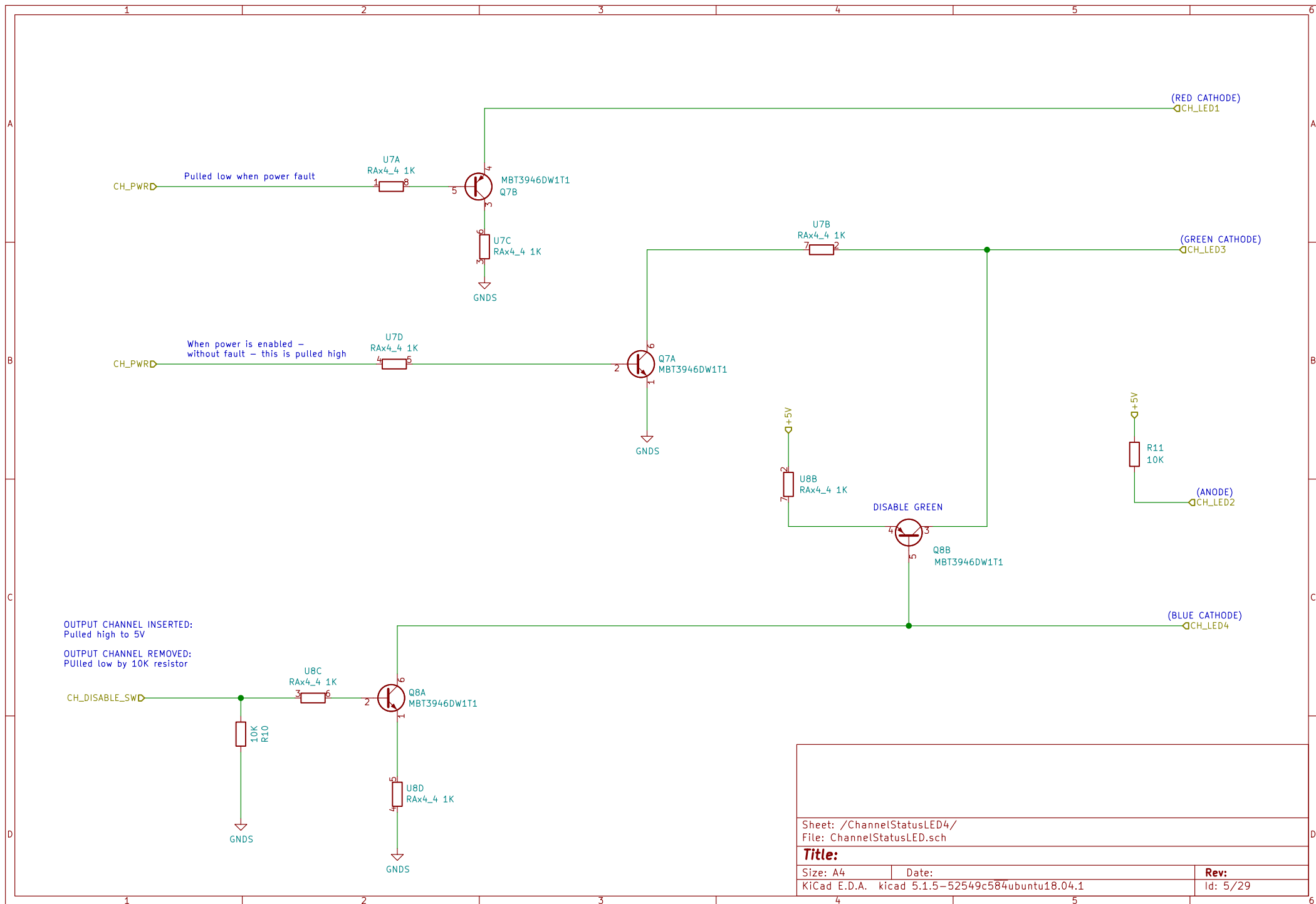
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Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 2/29



Sheet: /ChannelStatusLED2/  
File: ChannelStatusLED.sch

<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 3/29





Sheet: /ChannelStatusLED4/  
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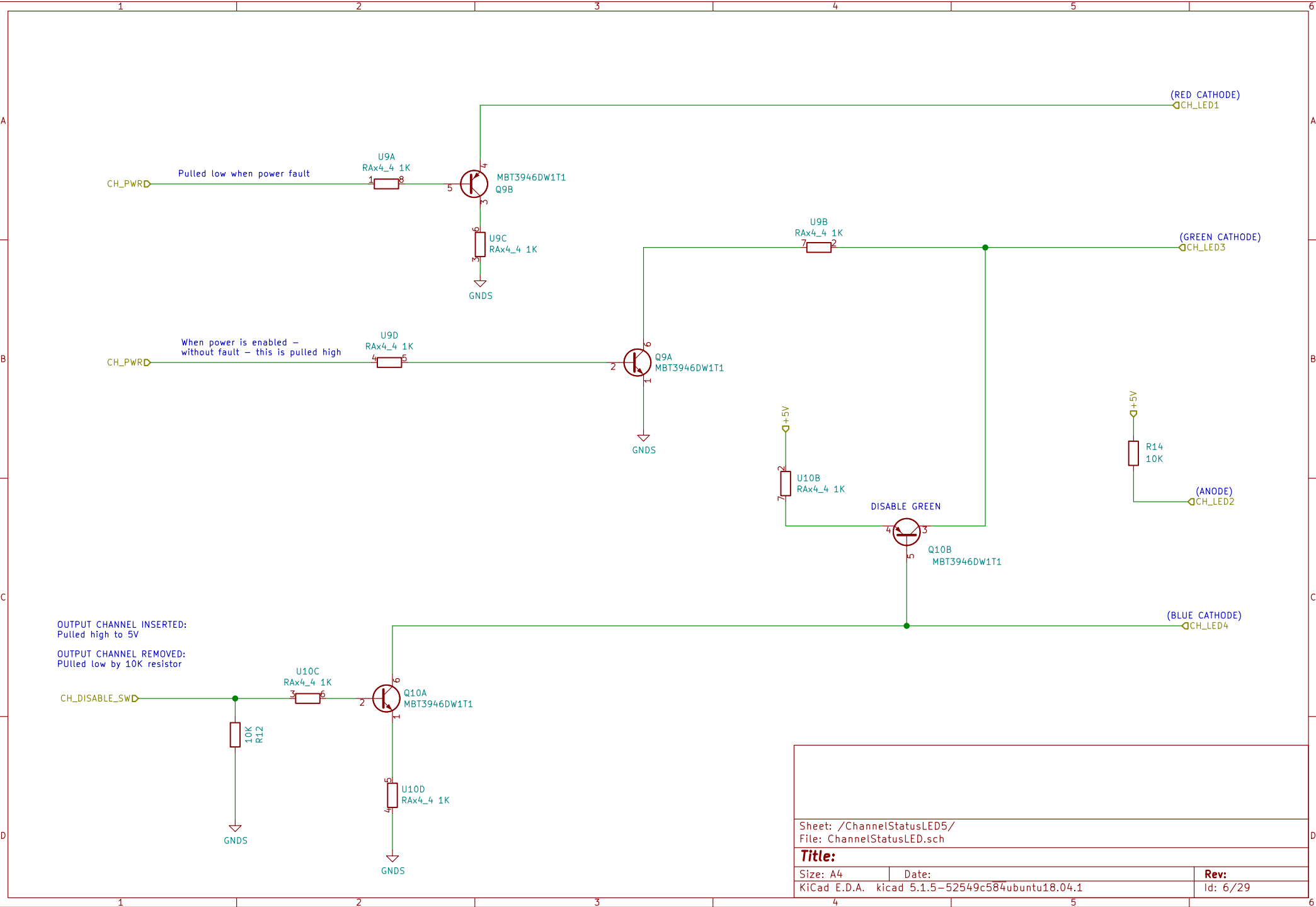
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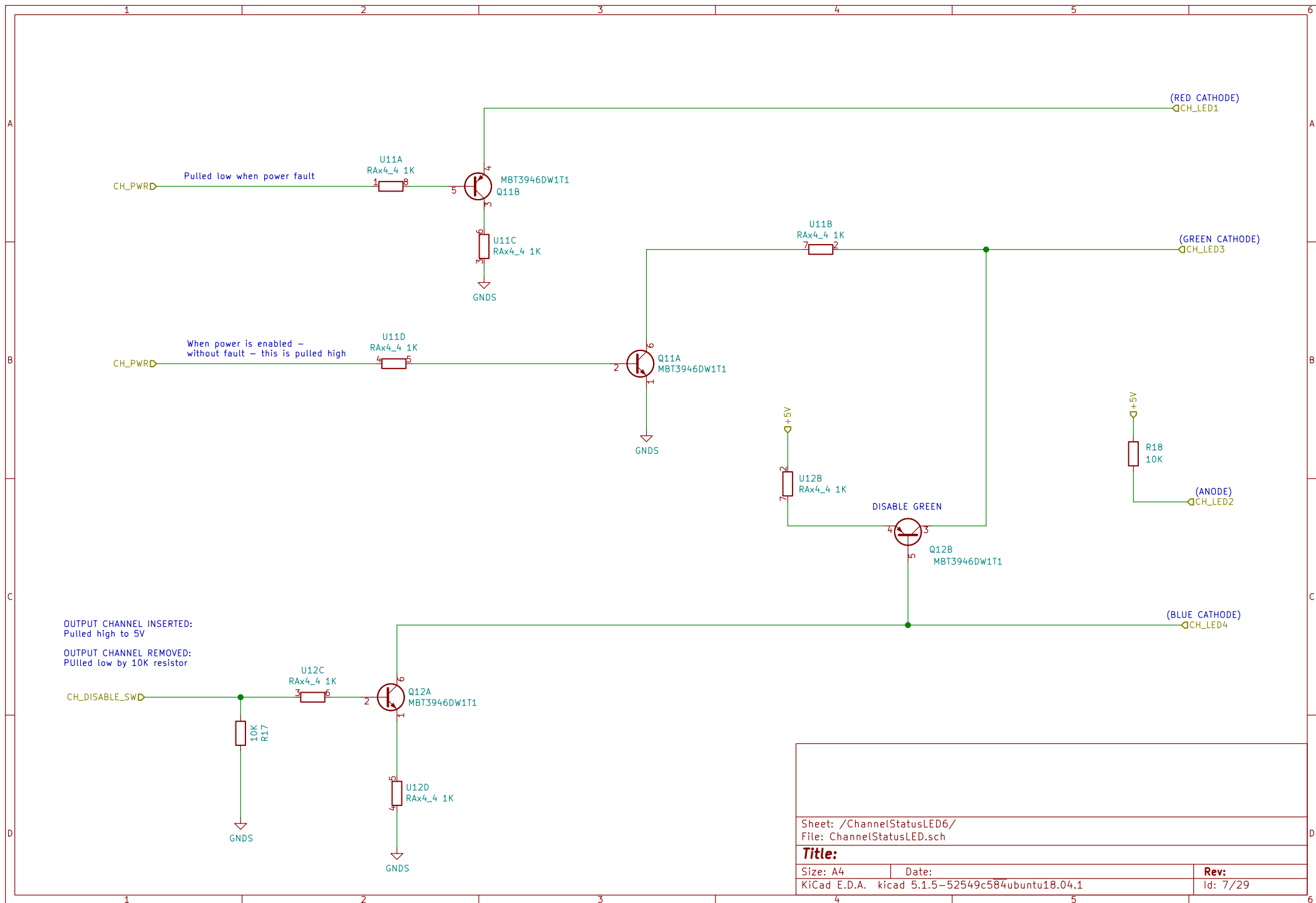
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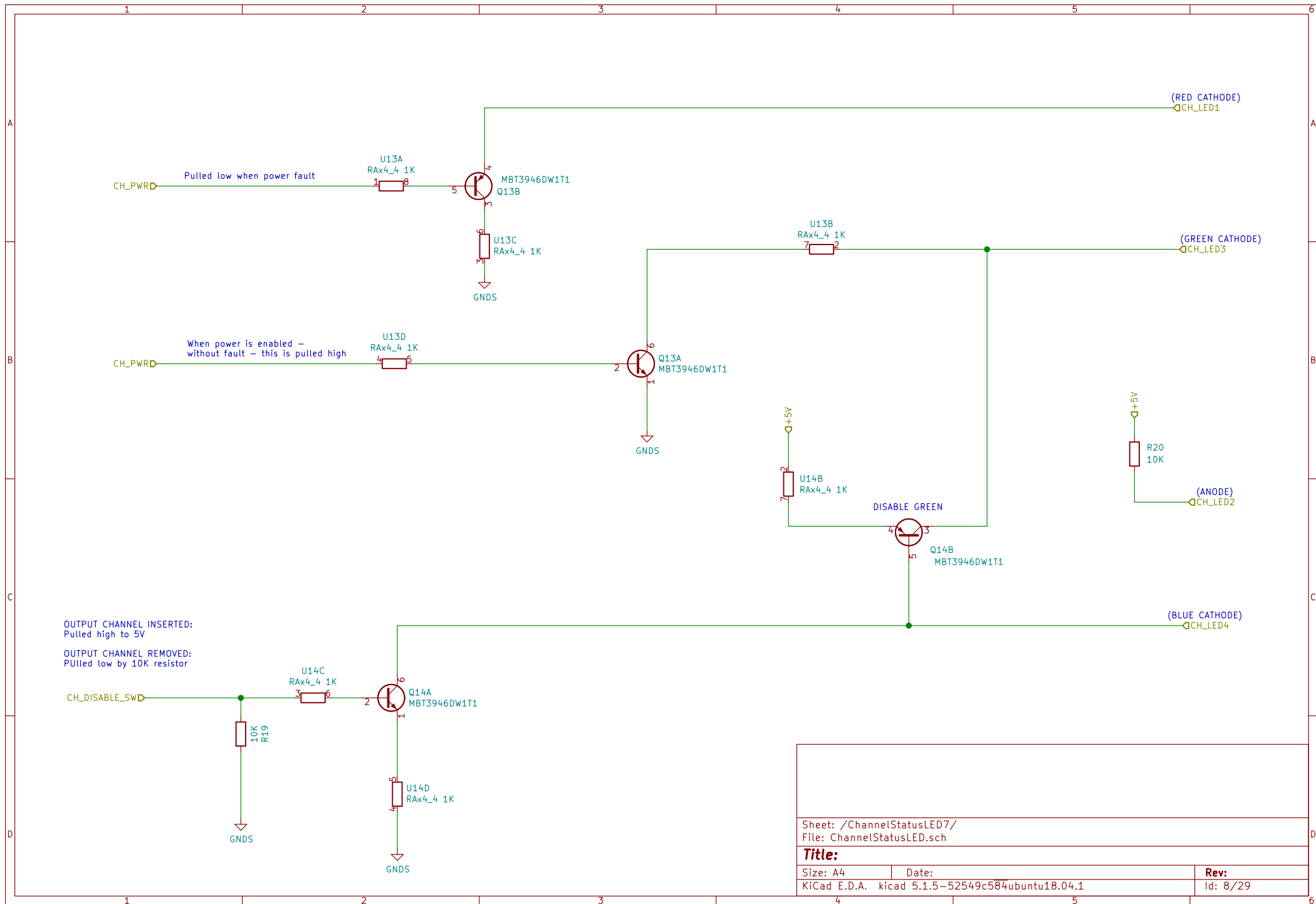
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**Rev:**

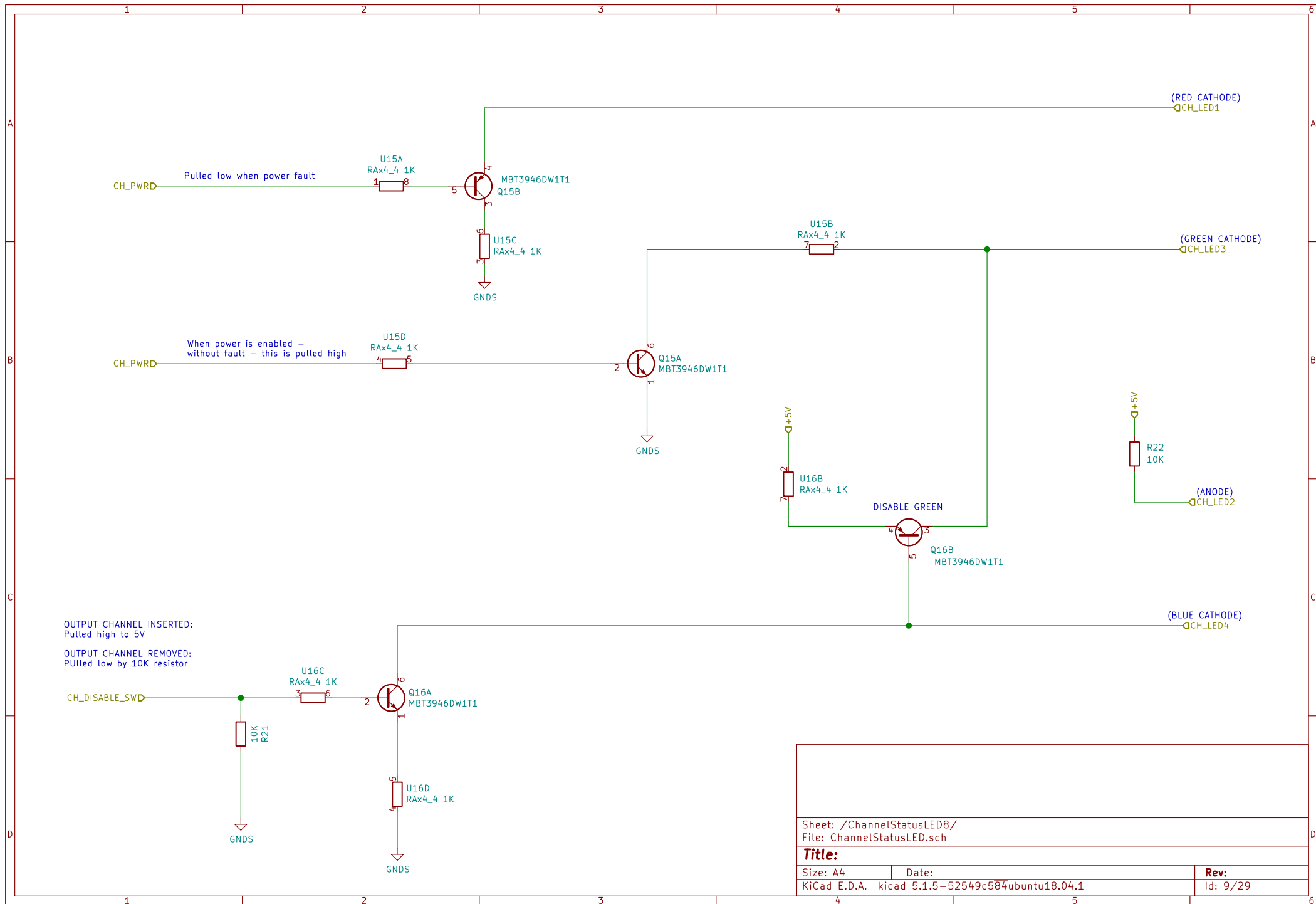
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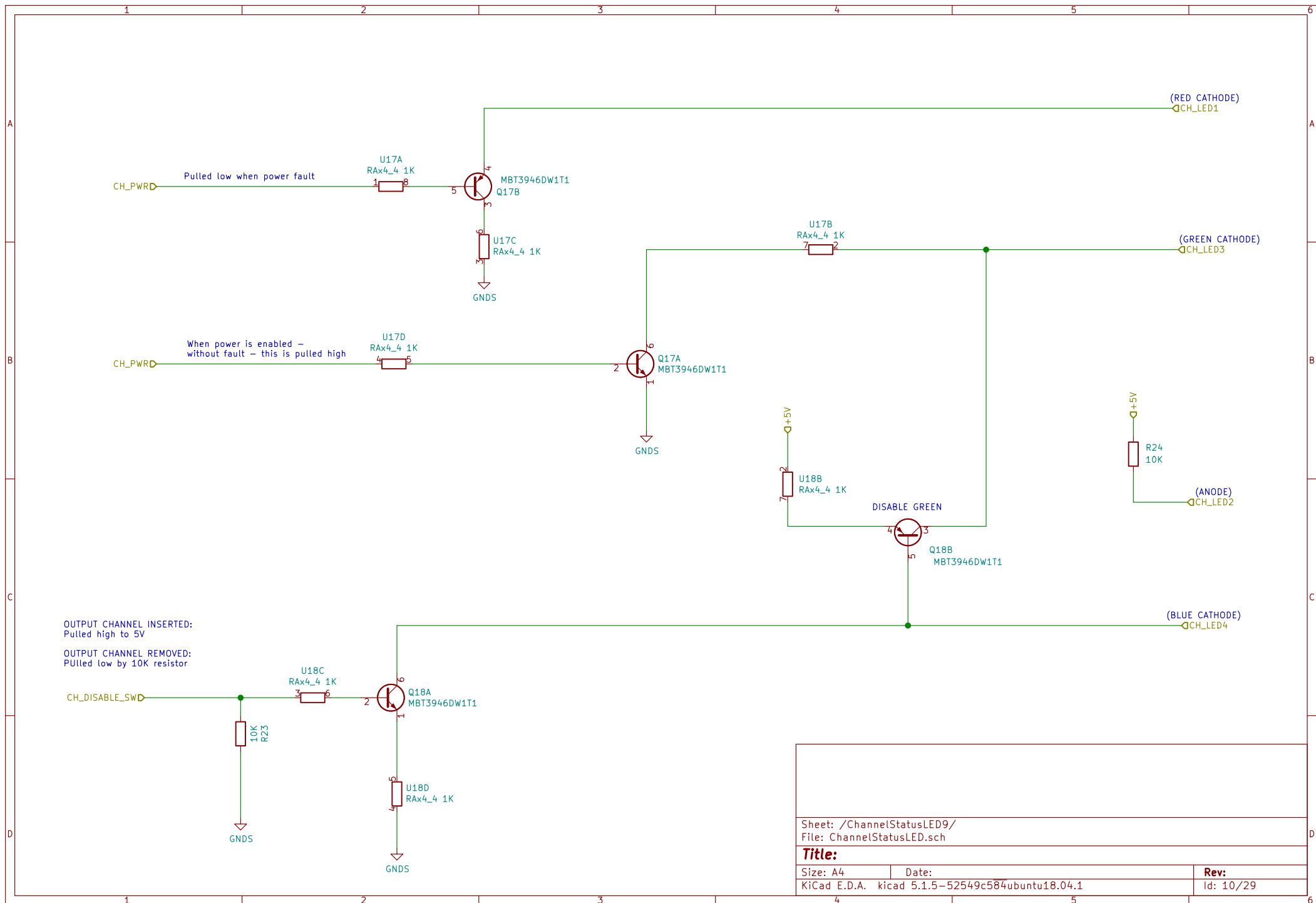




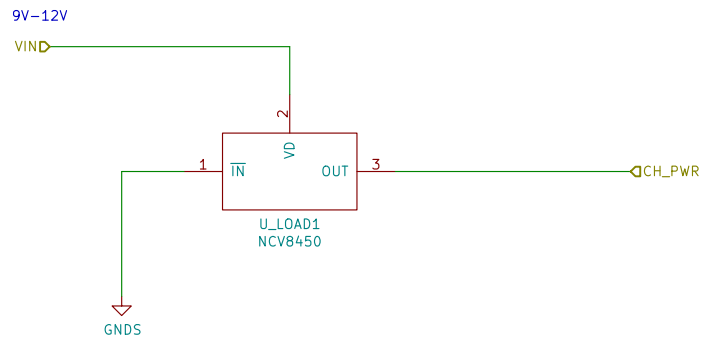






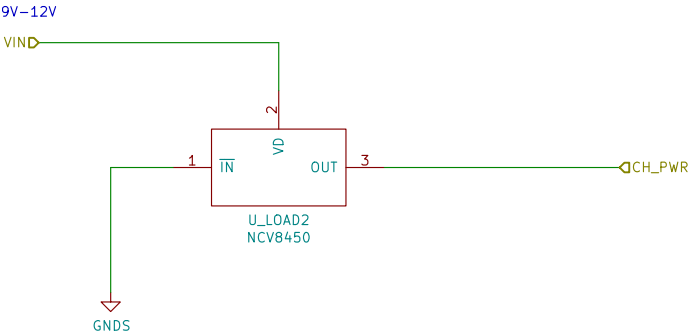


FAULT PROTECTIONS



Sheet: /ChannelFaultProtection1/ File: ChannelFaultProtection.sch		
Title:		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 11/29

FAULT PROTECTIONS



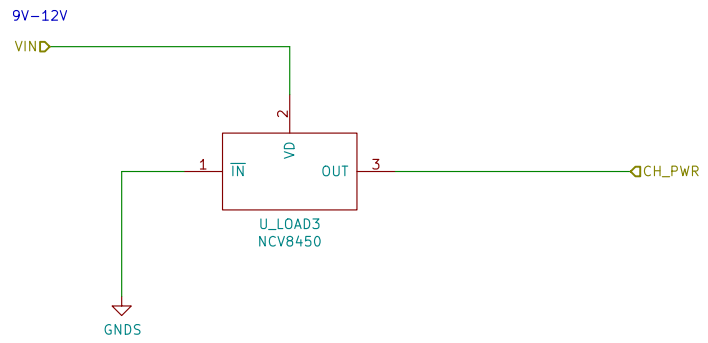
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File: ChannelFaultProtection.sch

**Title:**

Size: A4      Date:      KiCad E.D.A.    kicad 5.1.5-52549c584ubuntu18.04.1

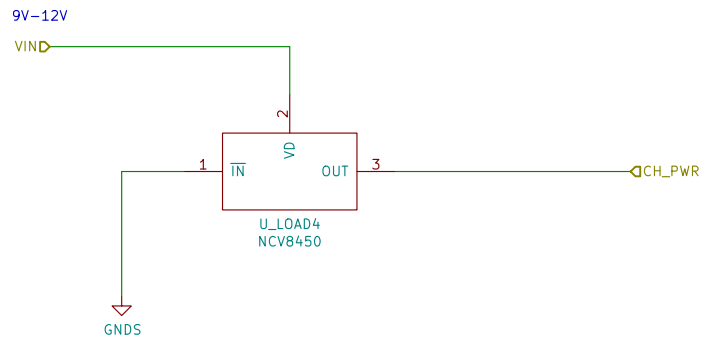
**Rev:**  
Id: 12/29

FAULT PROTECTIONS



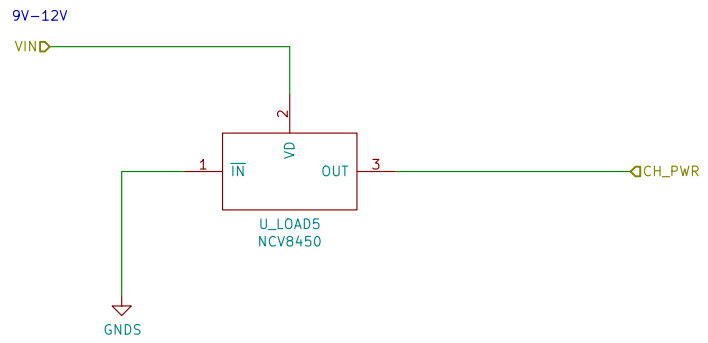
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KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 13/29

FAULT PROTECTIONS



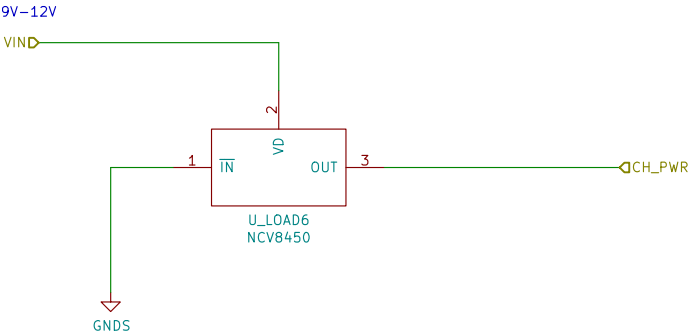
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FAULT PROTECTIONS



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KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 15/29

FAULT PROTECTIONS



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File: ChannelFaultProtection.sch

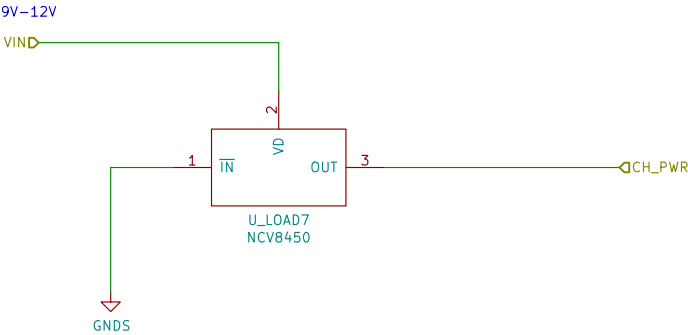
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Size: A4 Date:  
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**Rev:**  
Id: 16/29



FAULT PROTECTIONS



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File: ChannelFaultProtection.sch

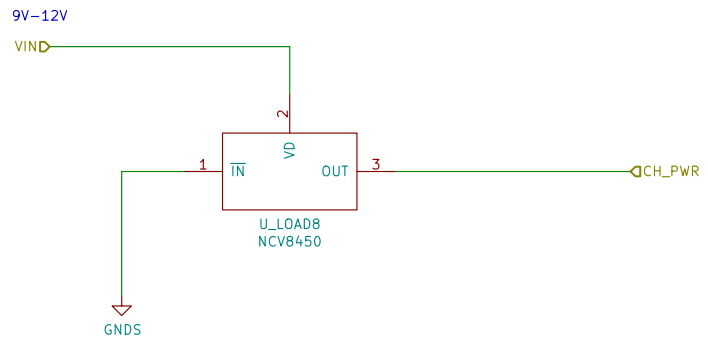
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Date:

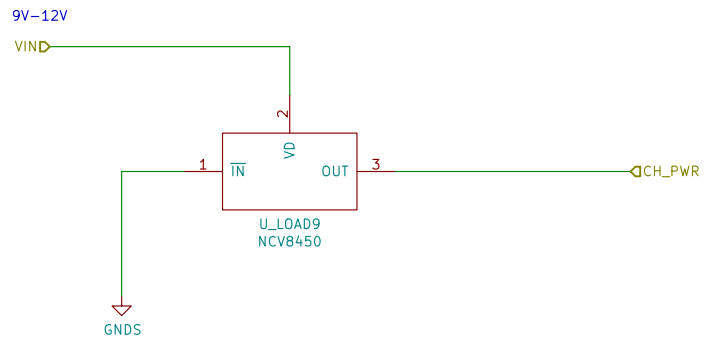
Rev:  
Id: 17/29

FAULT PROTECTIONS

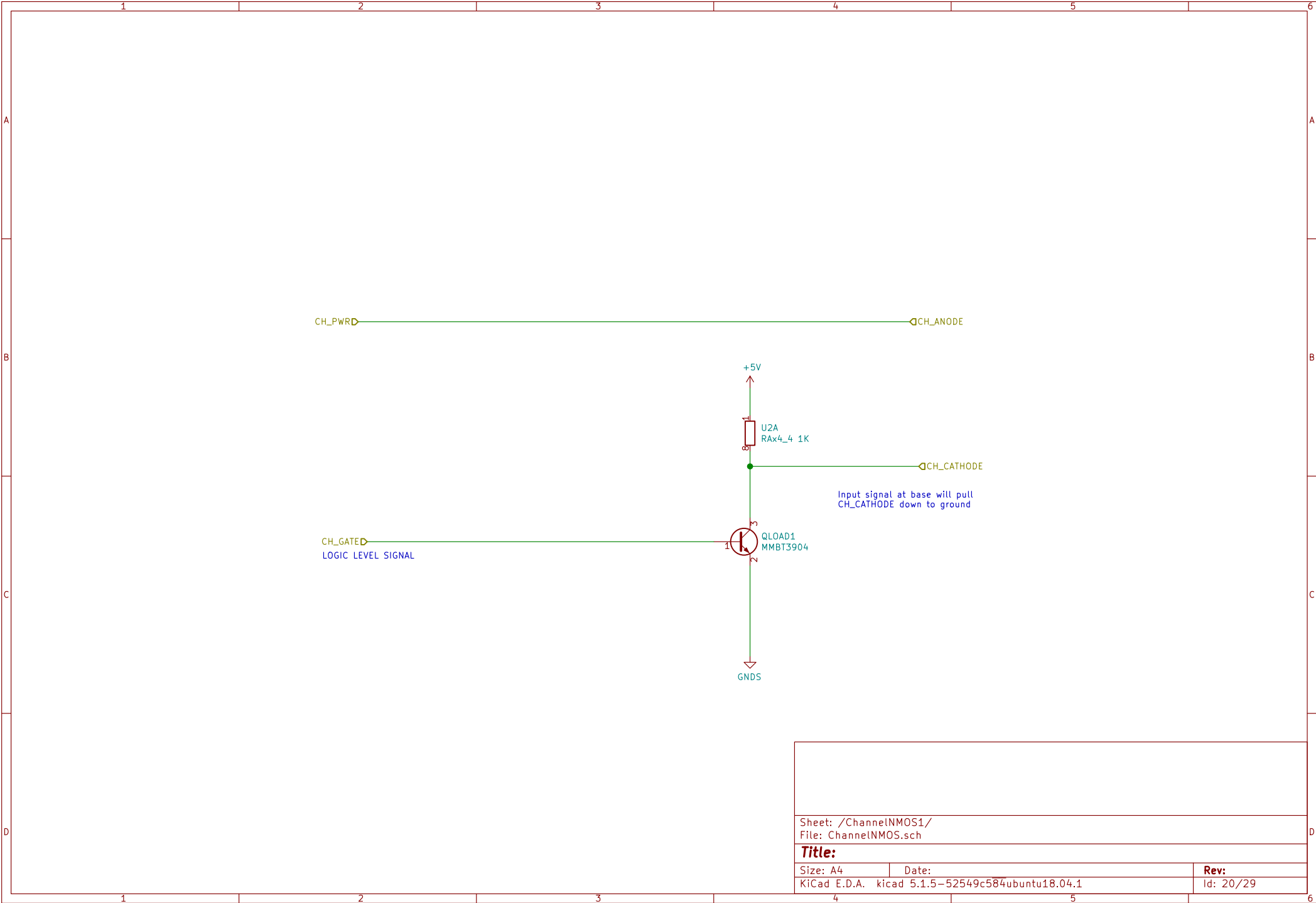


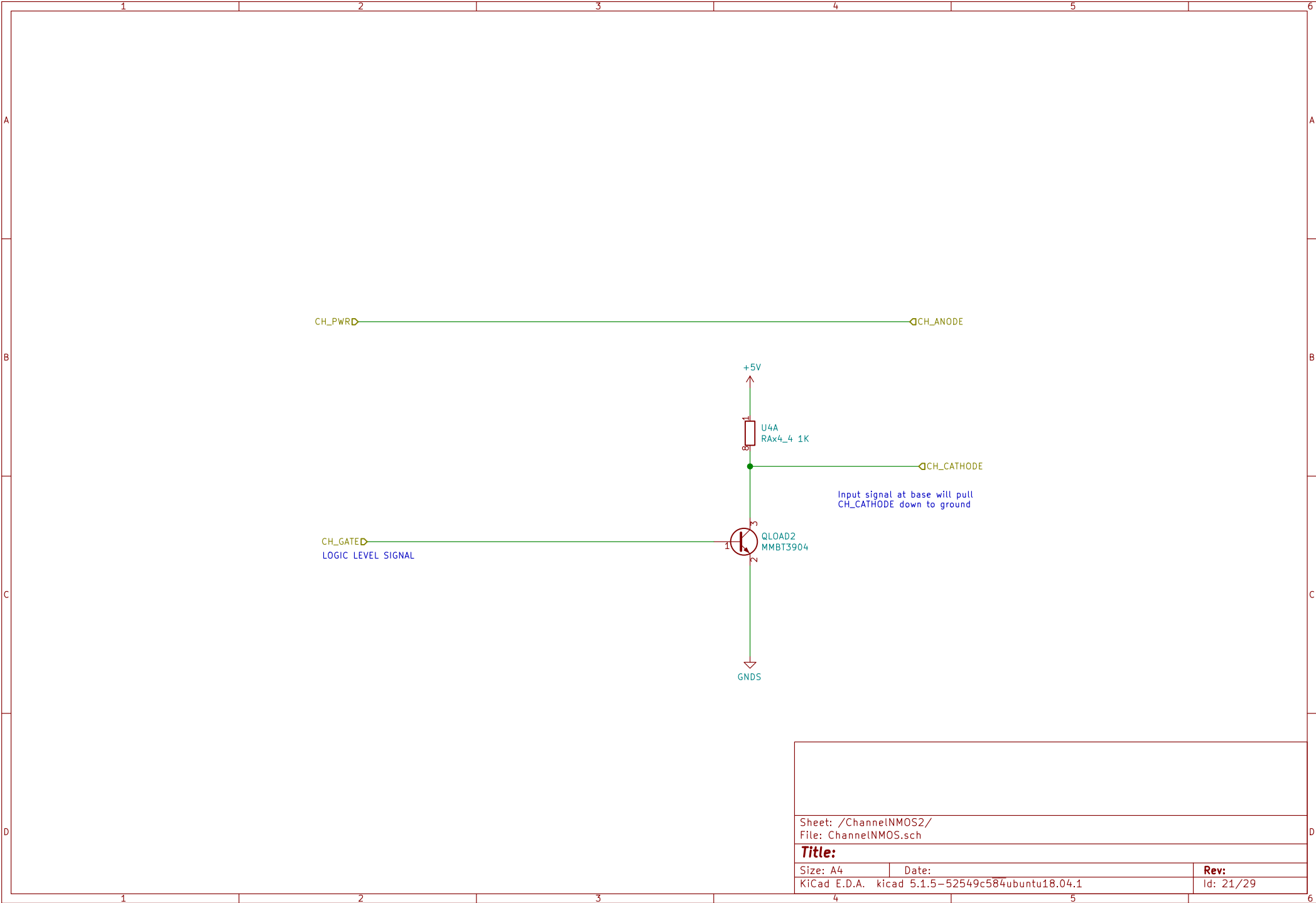
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<b>Title:</b>		
Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 18/29

FAULT PROTECTIONS

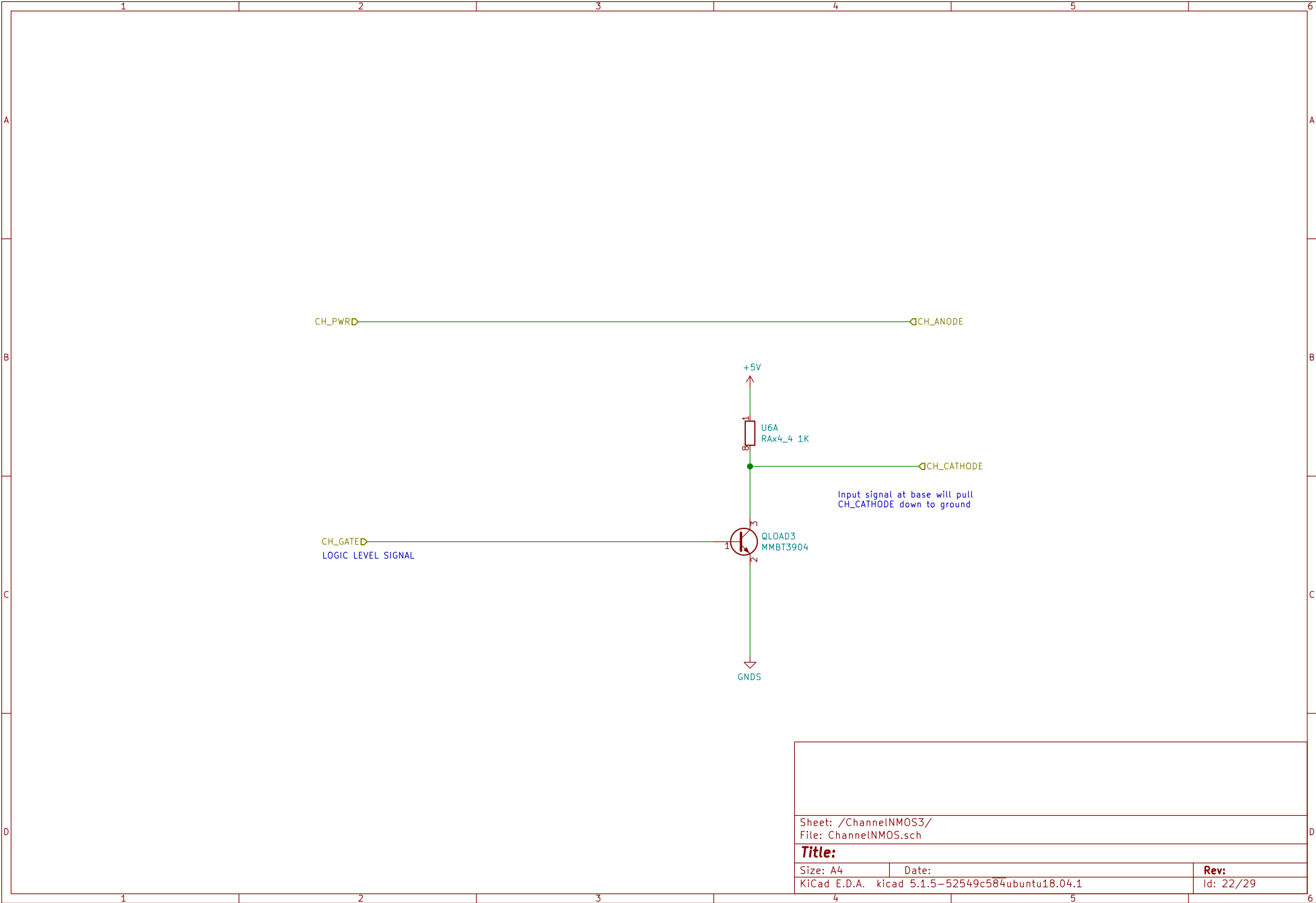


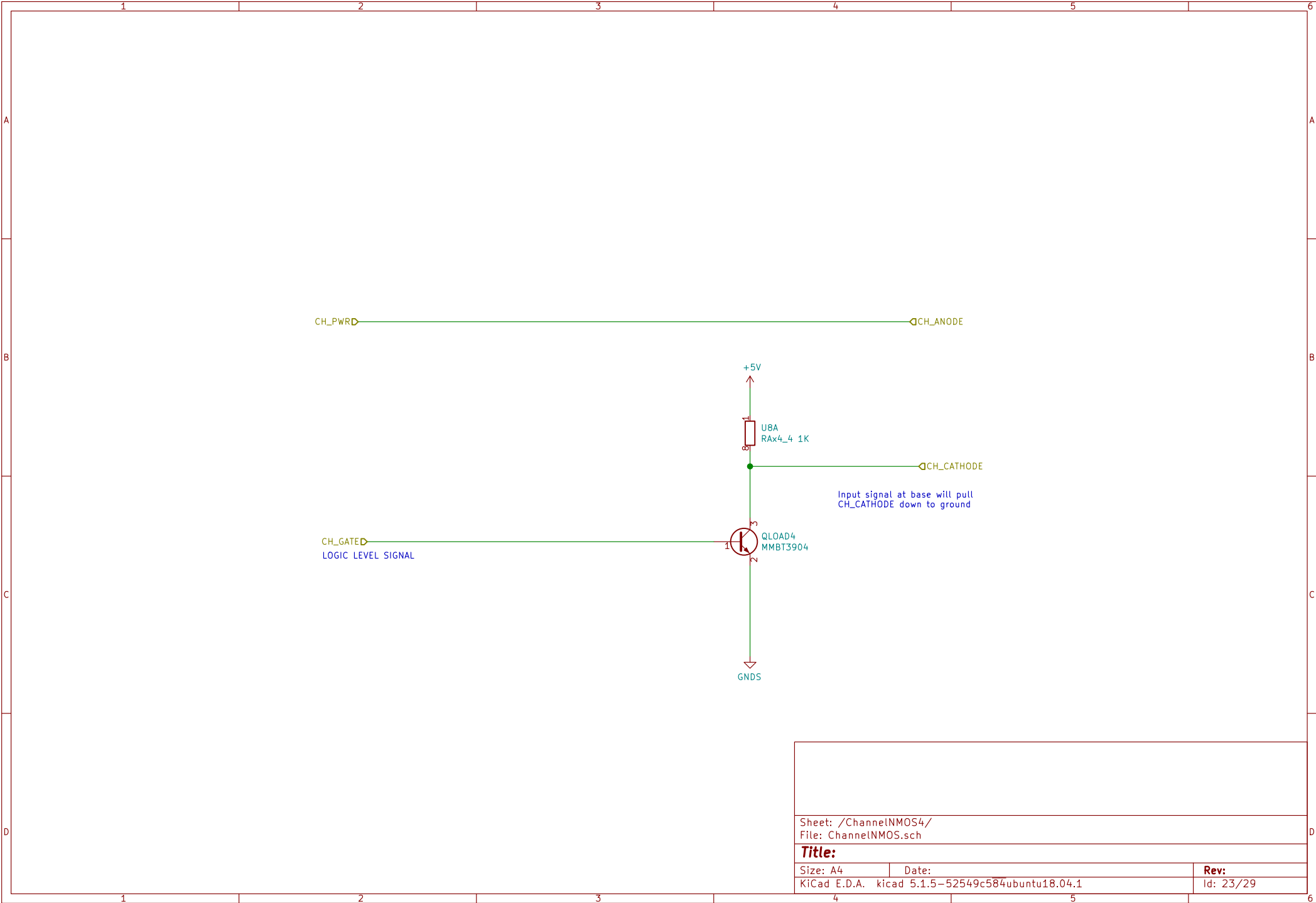
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KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 19/29

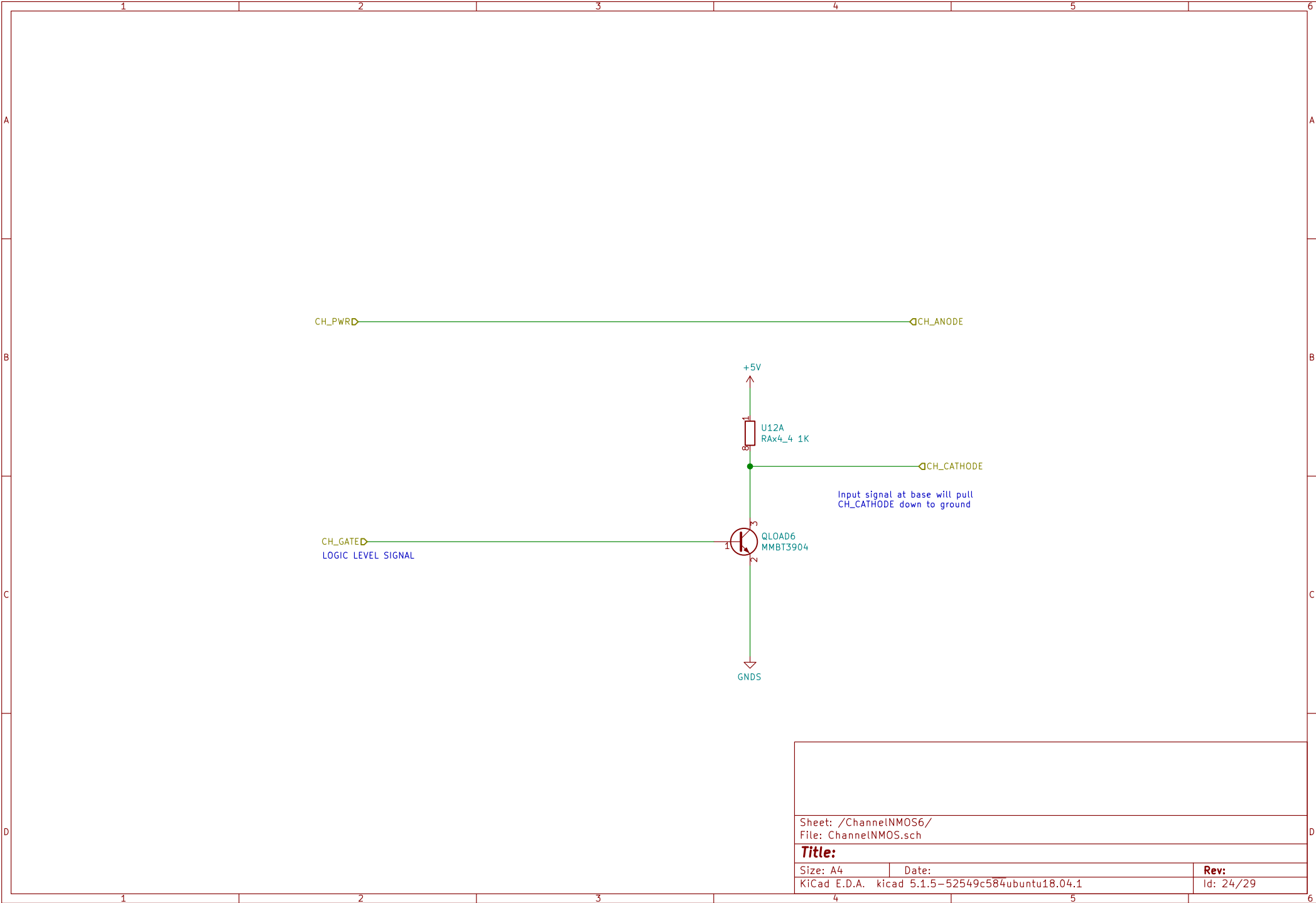




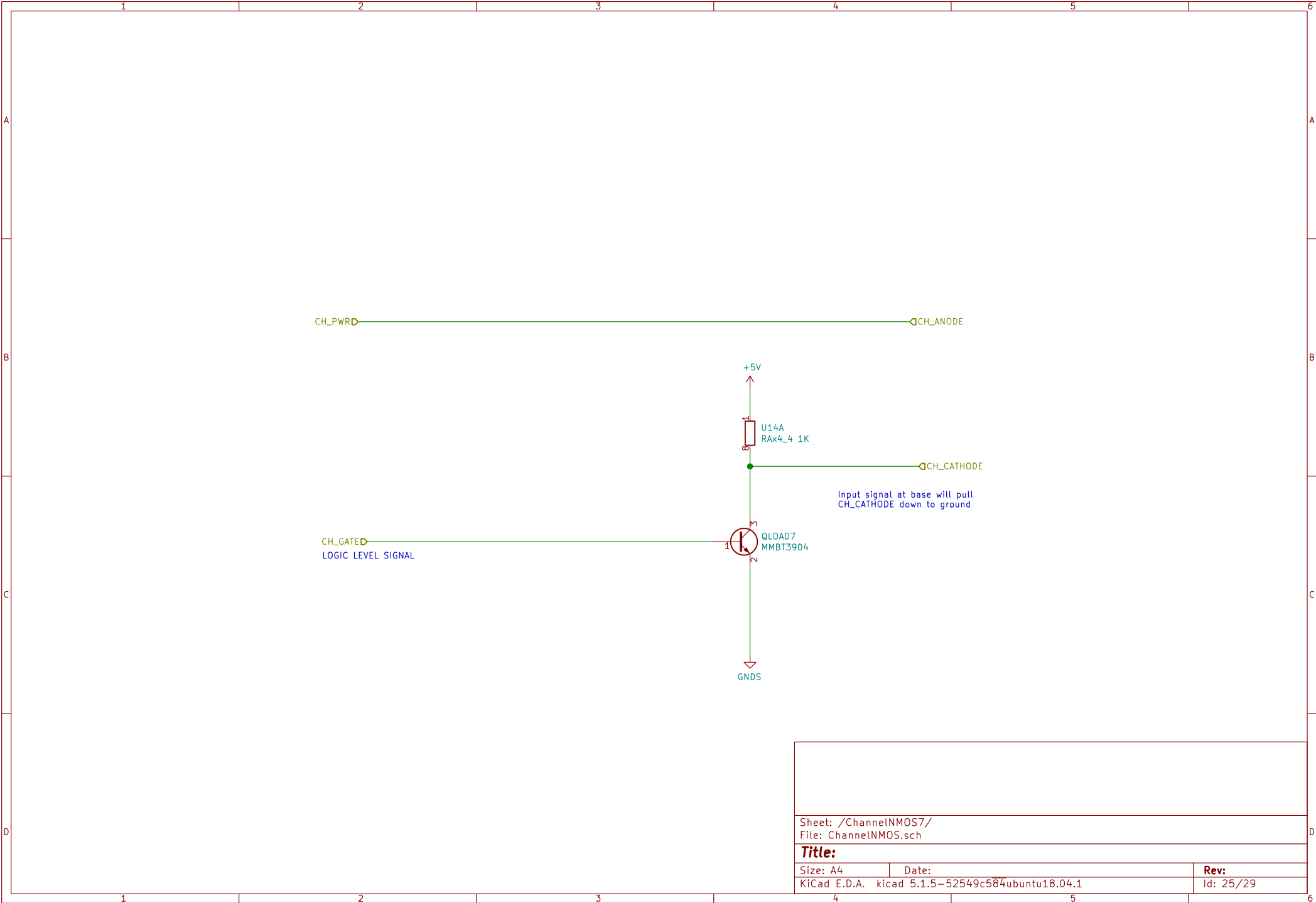
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Size: A4	Date:	Rev:
KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 21/29

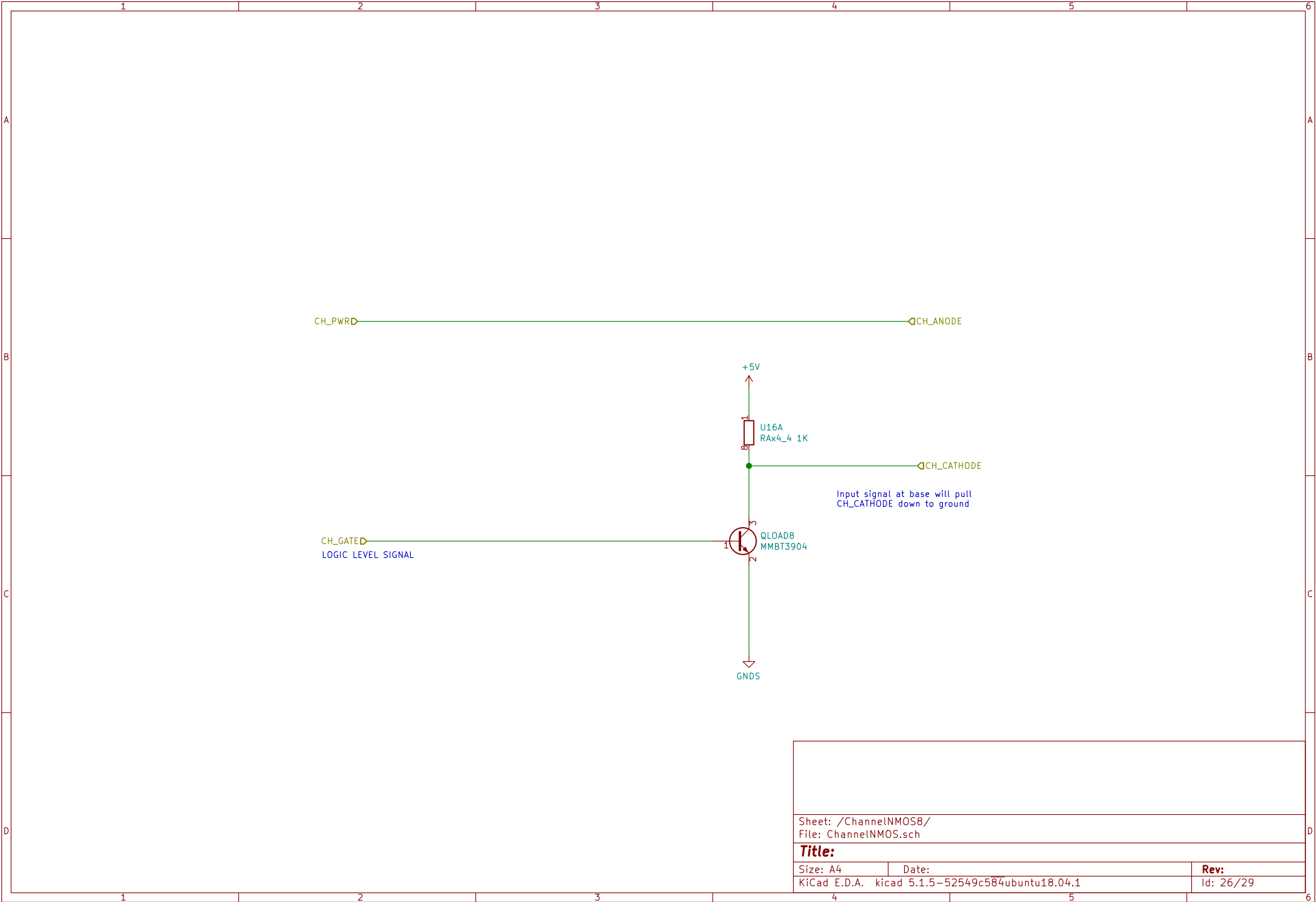




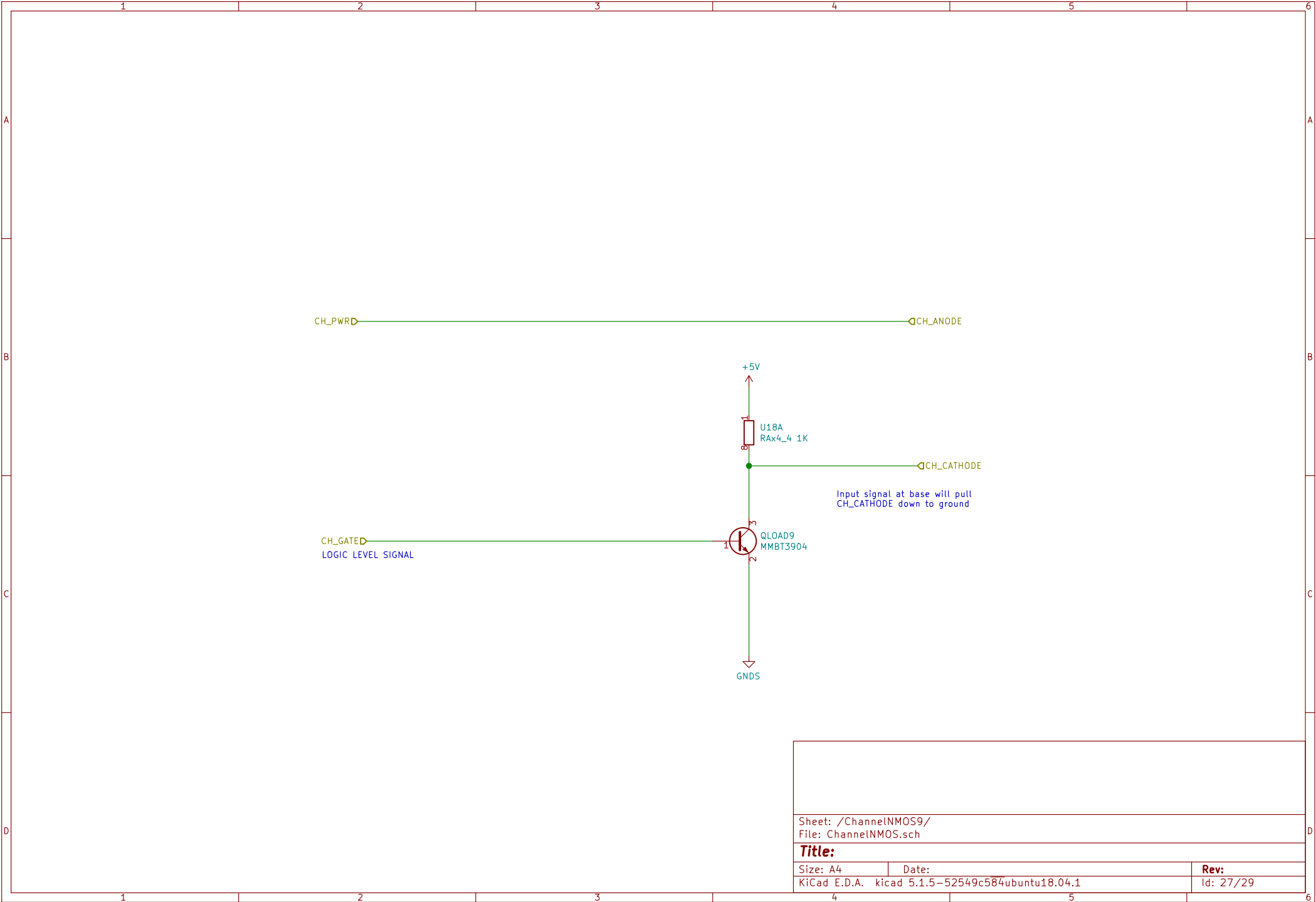


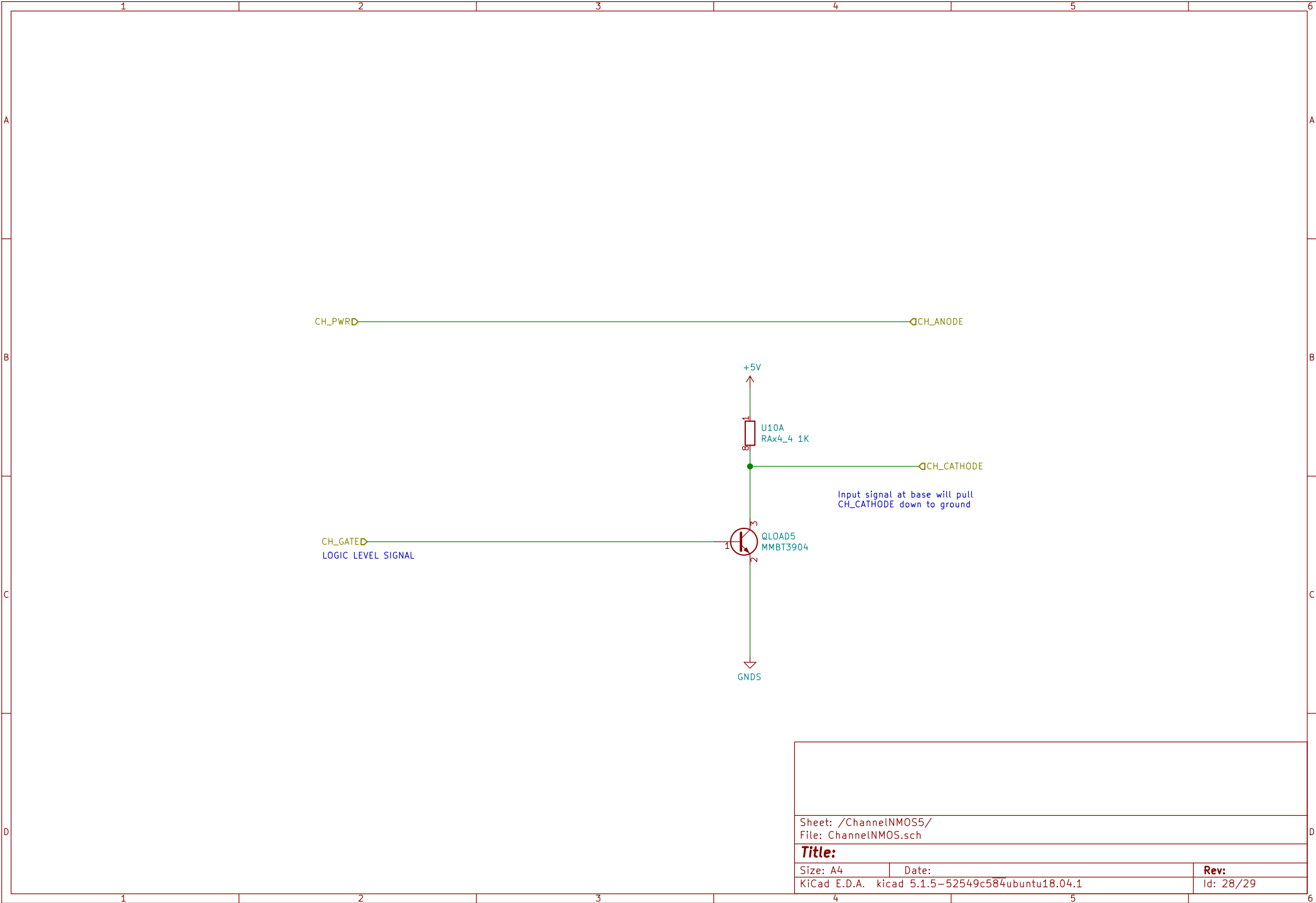




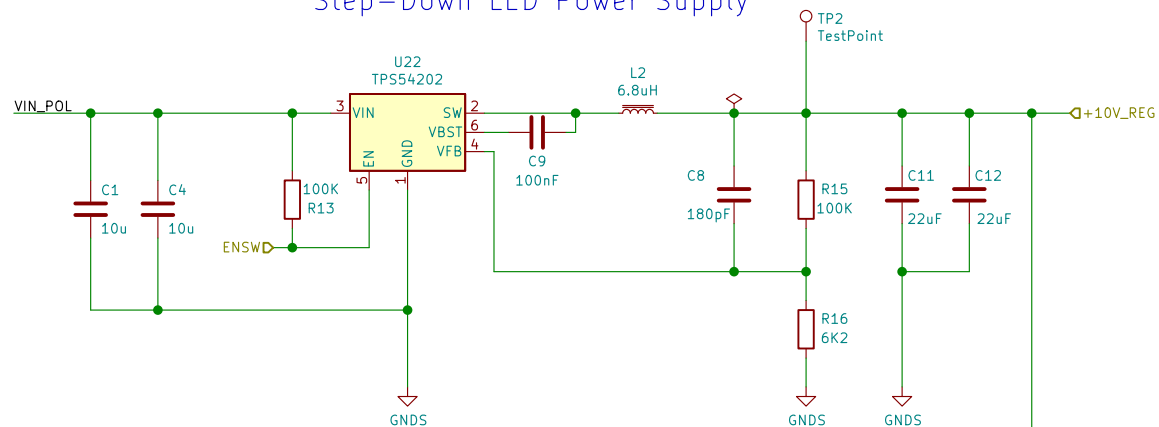


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KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1		Id: 26/29

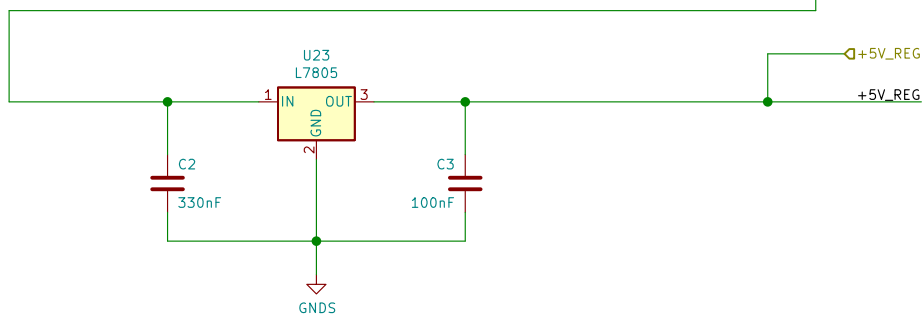




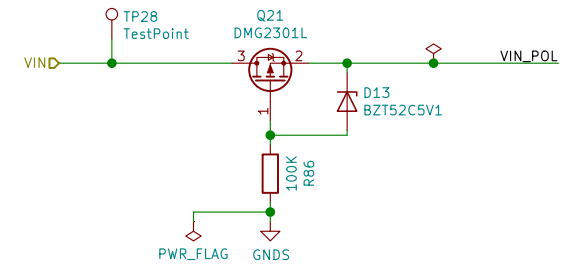
## Step-Down LED Power Supply



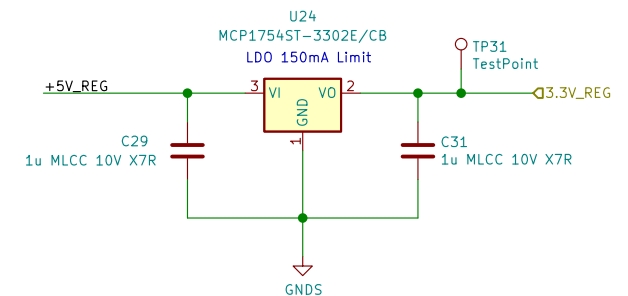
## Step-Down Logic Power Supply



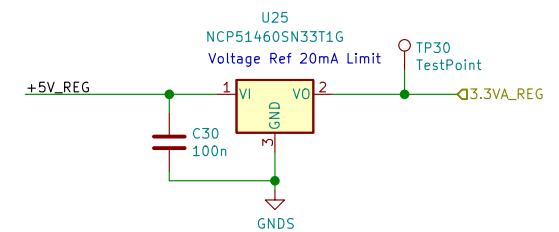
## Power Input and Reverse Polarity Protection



## MicroController VDD Regulation



## MicroController VDDA Regulation



Sheet: /PowerSupply/  
File: PowerSupply.sch

### Title:

Size: A4

Date:

KiCad E.D.A. kicad 5.1.5-52549c584ubuntu18.04.1

Rev:

Id: 29/29