

Original question:



[\[FAQ\] Audio ADCs/CODECs: What should I do with unused inputs on the TLV320ADC and TLV320AIC family of devices?](#)

Input and output on TLV320AIC and TLV320ADC, path to ground?



Online Jay Shoem...



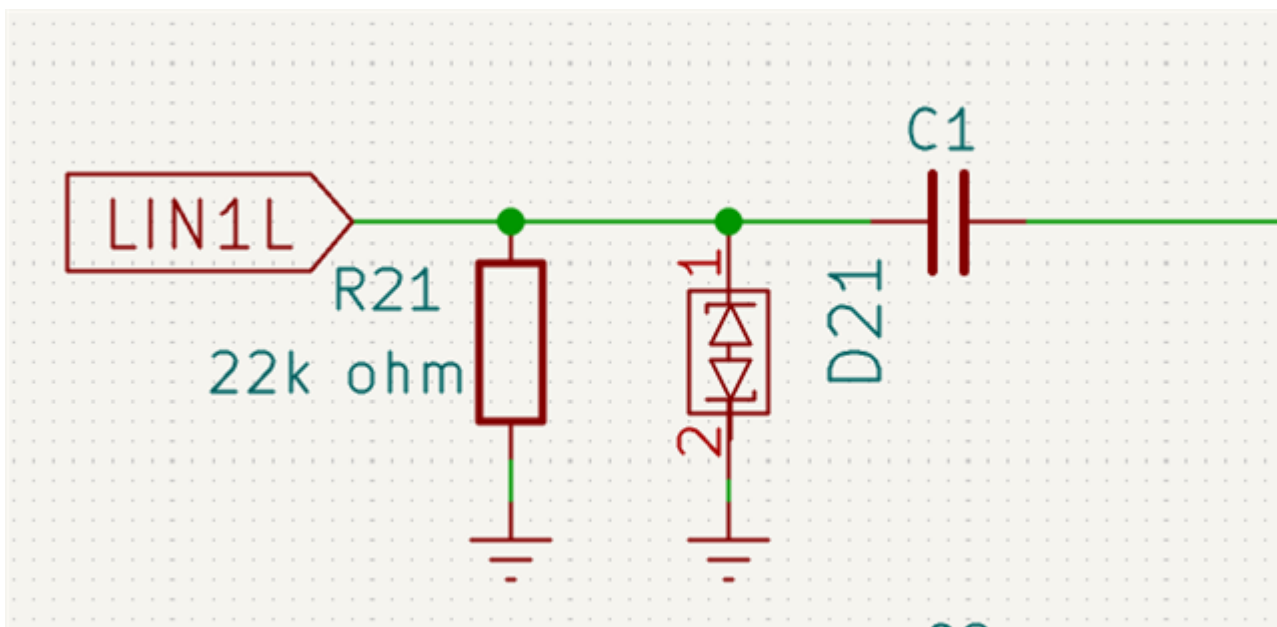
Intellectual 585 points



Community Member

Other Parts Discussed in Thread: [TLV320AIC3105](#)

This is related to the FAQ post on unused pins. For inputs that will have sources which will be connected and disconnected on these chips should we add a path to ground on the inputs? For example, on a device that will have inputs which are optional (RCA inputs) should we add a path to ground? Does this look OK for an input on a TLV320AIC3105?



[4 days ago](#)



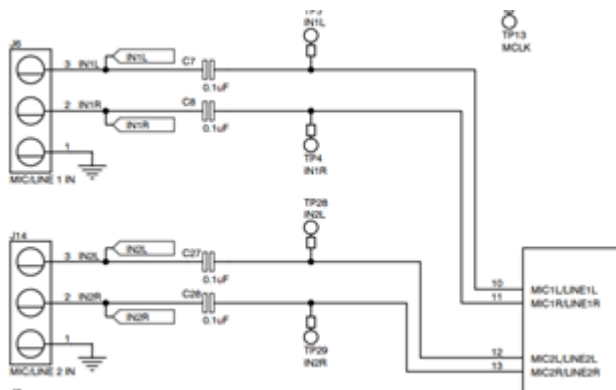
Offline **Daveon Douglas** 4 days ago



TI_Expert 6590 points

Hi,

Yes, we recommend AC-coupling unused analog inputs to ground so this connection is fine. An example of this is implemented on our EVM as well.



Online **Jay Shoemaker** 4 days ago in reply to [Daveon Douglas](#)



Intellectual 585 points

Hello,

Im sorry, but that schematic doesn't show anything connected to ground. Just the DC coupling capacitor c7/c8 which is not tied to ground. Can you please clarify what you meant by "An example of this is implemented on our EVM as well. "

Thank you,

Jay



Offline **Daveon Douglas** 3 days ago in reply to [Jay Shoemaker](#)



TI_Expert 6590 points



Hi Jay,

Apologies for the confusion. J6 and J14 are jumpers showing that you can configure the input as single-ended or differential. We recommend if unused AC couple to ground. You can insert a jumper in place of R21 node, one pathway leading to analog input or otherwise shorted to ground.

Regards,

[Previewing Staged Changes](#)