

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?



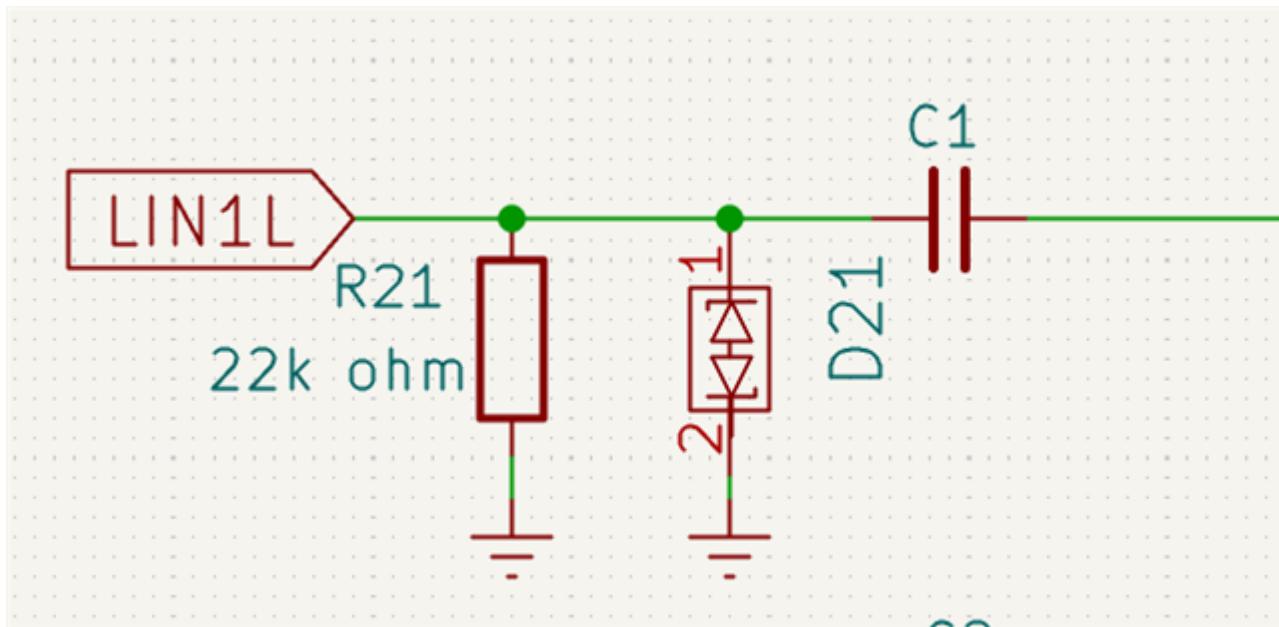
Online Jay Shoem...

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

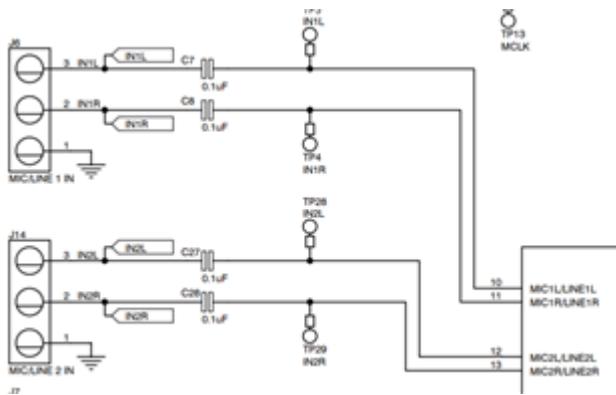


Offline **Daveon Douglas** 4 days ago

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,'

I'm 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](#)