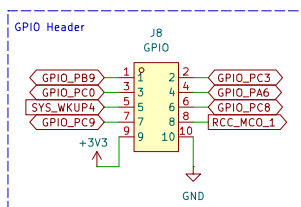
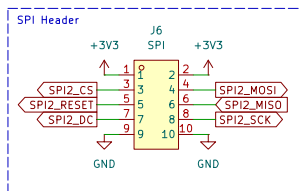


<https://www.showmecables.com/blog/post/making-and-mending-diy-3.5mm-cables>



#### Fiducial Markers

- FID3 Fiducial
- FID2 Fiducial
- FID1 Fiducial

R30 0Ω-2010 0Ω-1206 0Ω-0805  
Route 2 or 4 signals underneath 0805 = ? (R35)  
1206 = 3 (R31)  
2010 = 4+ (R30)  
TODO: Find a 0-ohm resistor network

#### Mounting Holes

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

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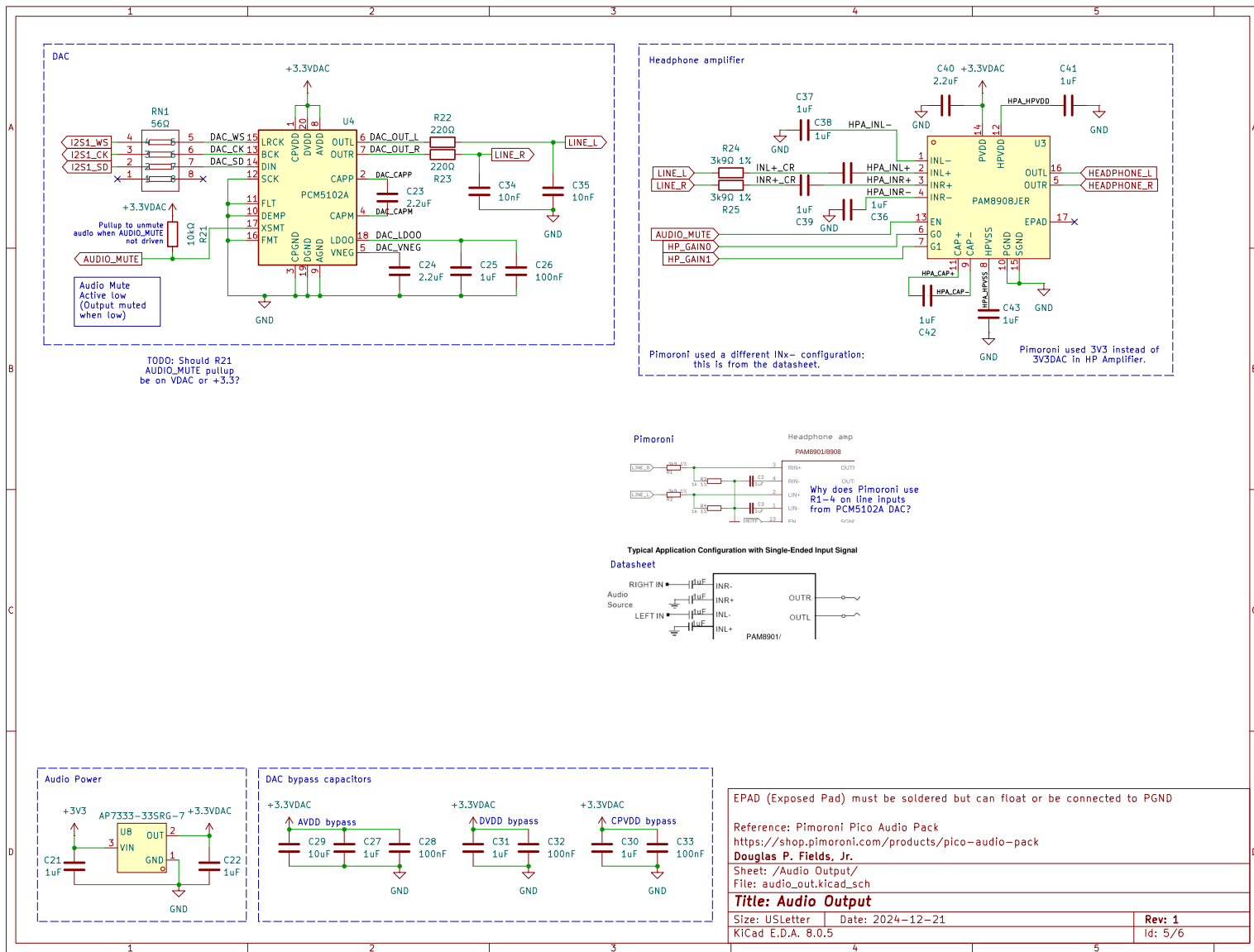
Sheet: /User Interface/  
File: user\_interface.kicad\_sch

Title: User Interface

Size: USLetter Date: 2024-12-21  
KiCad E.D.A. 8.0.5

Rev: 2  
Id: 3/6





	1	2	3	4	5	
A	<div>Revision 1: EVT #1</div> <div><ul style="list-style-type: none"><li>Initial version</li></ul></div>					A
B	<div>Revision 2: EVT #2</div> <div><ul style="list-style-type: none"><li>Fix connections for 3.5mm jacks (tip &amp; sleeve were reversed)</li><li>Revise MIDI in circuits with smaller opto-isolator</li><li>Add USB 5V pin header</li><li>Move Gain0/1 from switches to GPIO pins</li><li>Revise SPI header with pins for ILI9341 SPI screen</li><li>Consolidate SWD and Console USART2 to a single header</li></ul></div> <div>...</div> <div>Miscellaneous cleanups</div> <div>TODO</div> <div><ul style="list-style-type: none"><li>Revise DAC to HP Amp input with Pimoroni suggestion</li></ul></div> <div>Add test pins for:</div> <div><ul style="list-style-type: none"><li>Audio, MIDI</li><li>USB Gnd/5v/D+/D-</li><li>MIDI raw UART RX/TX</li></ul></div>					B
C						C
D	<div>Douglas P. Fields, Jr.</div> <div>Sheet: /Revision History/ File: revisions.kicad_sch</div> <div>Title: Revision History</div> <div><div>Size: USLetter</div><div>Date: 2024-12-21</div><div>Rev: 2</div></div> <div><div>KiCad E.D.A. 8.0.5</div><div>Id: 6/6</div></div>					D
	1	2	3	4	5	