
**Title Solid Connections**

Size	Number	Top Level.SchDoc	Revision
A4			1 6
Date:	6/09/2025	Sheet_of	Author Name
File:	C:\Users\..\Top Level.SchDoc	Drawn By:	

D

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C

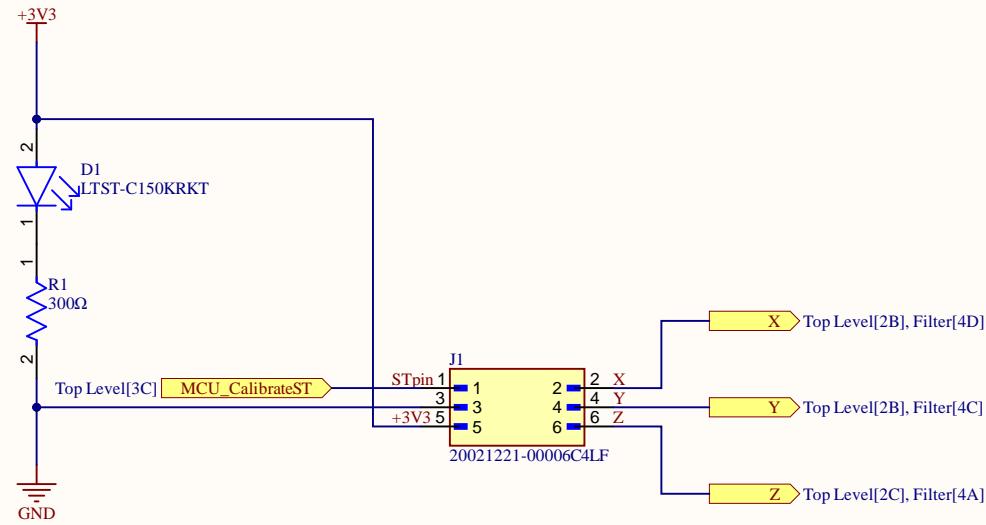
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B

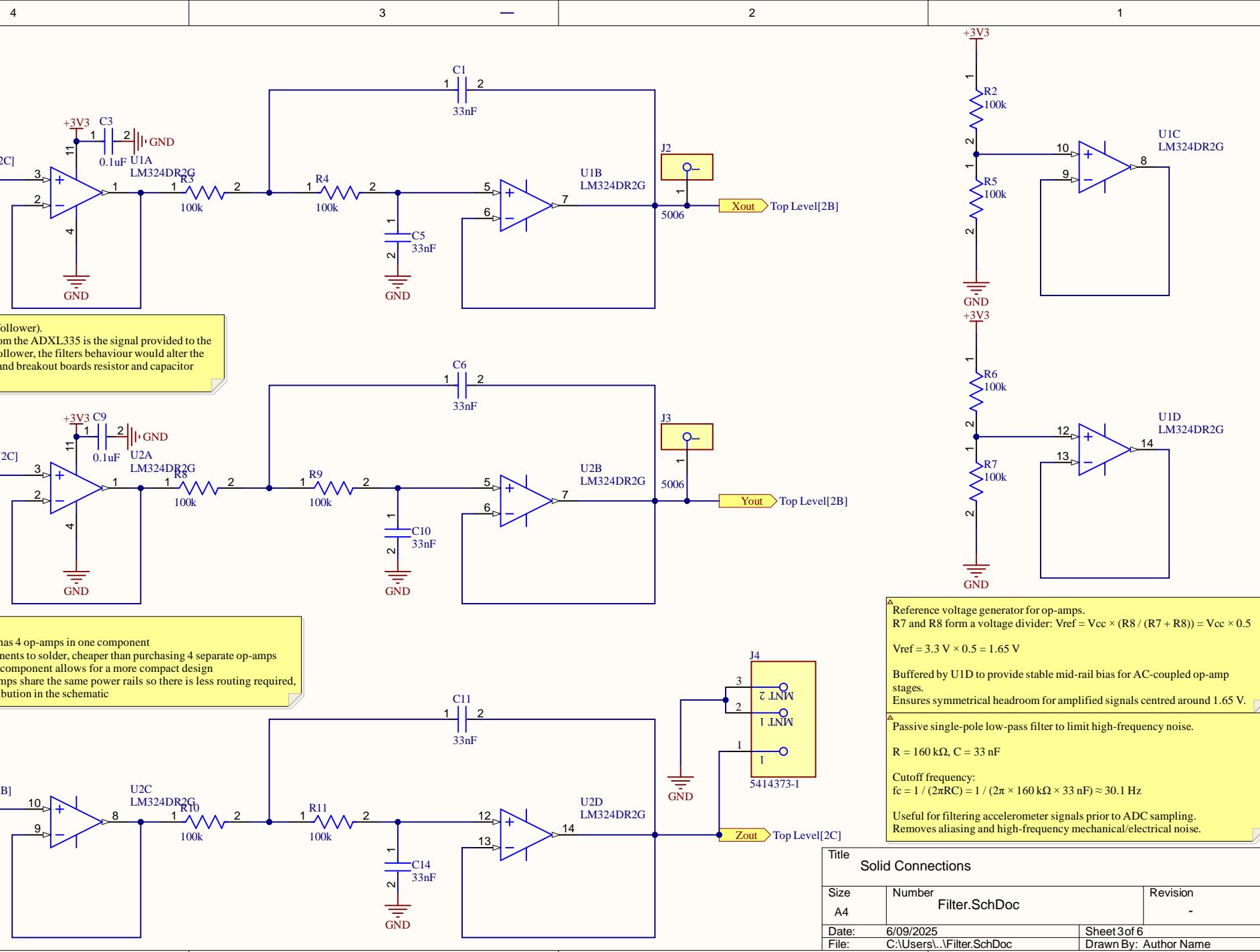
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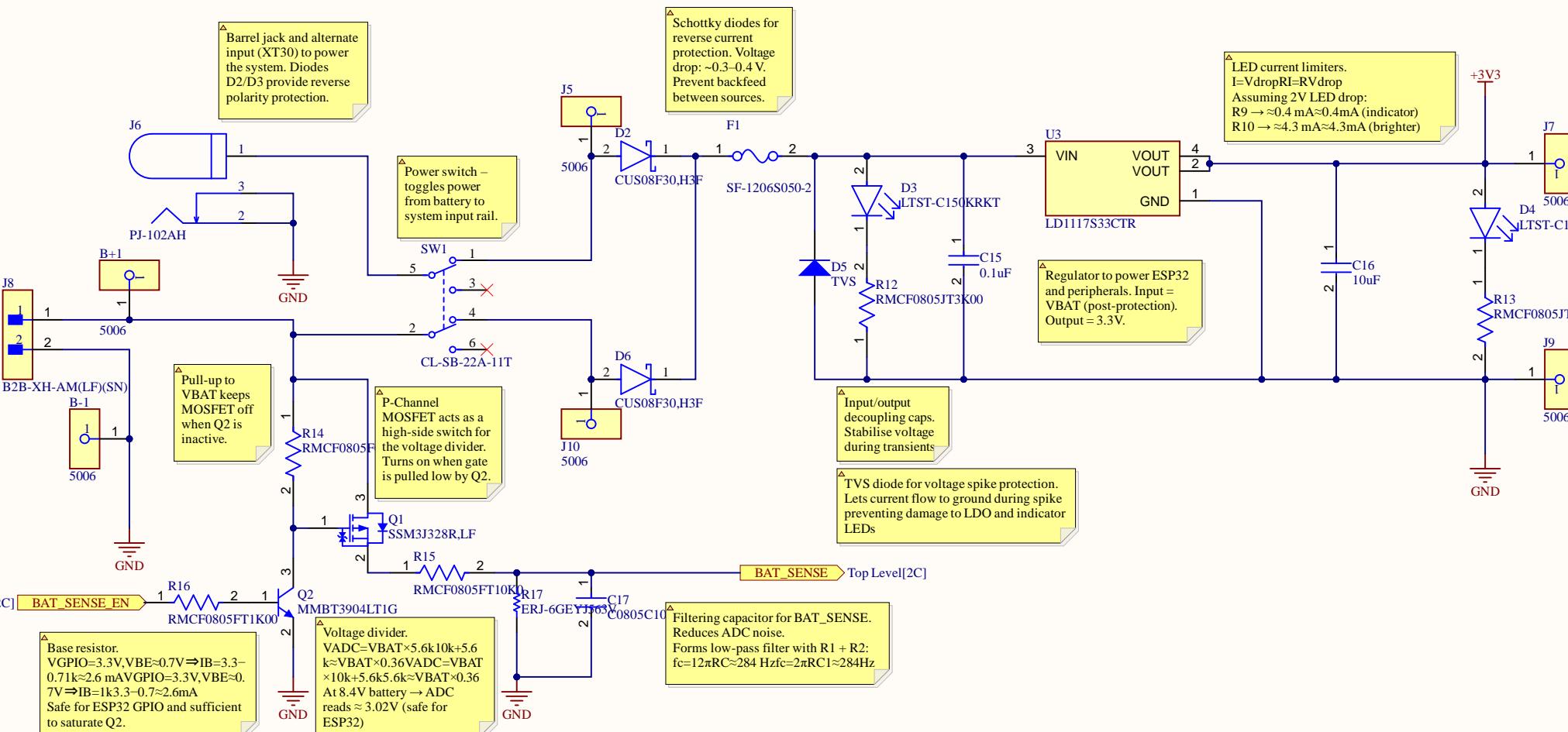
△ 6-pin connector for external 3-axis analog accelerometer module (e.g., ADXL335). Pinout:  
 1 - +3.3 V  
 2 - Z-axis output  
 3 - ST (self-test or config pin)  
 4 - Y-axis output  
 5 - GND  
 6 - X-axis output  
 Signal lines (X, Y, Z) routed to analog filter & buffer stage (see Filter.SchDoc). STpin can be left floating or connected depending on sensor needs.

Title Solid Connections		
Size A4	Number Accelerometer.SchDoc	Revision -
Date: 6/09/2025		Sheet 2 of 6
File: C:\Users\..\Accelerometer.SchDoc		Drawn By: Author Name

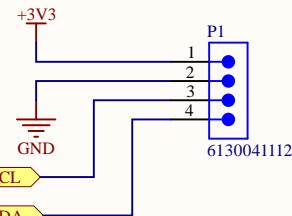


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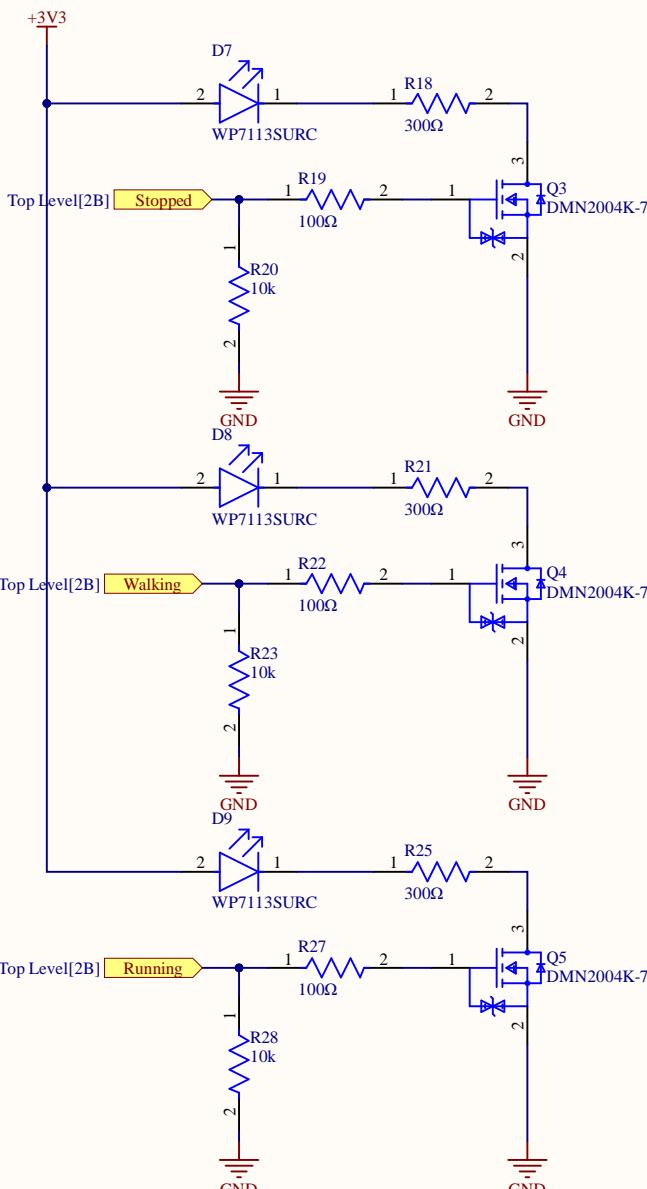
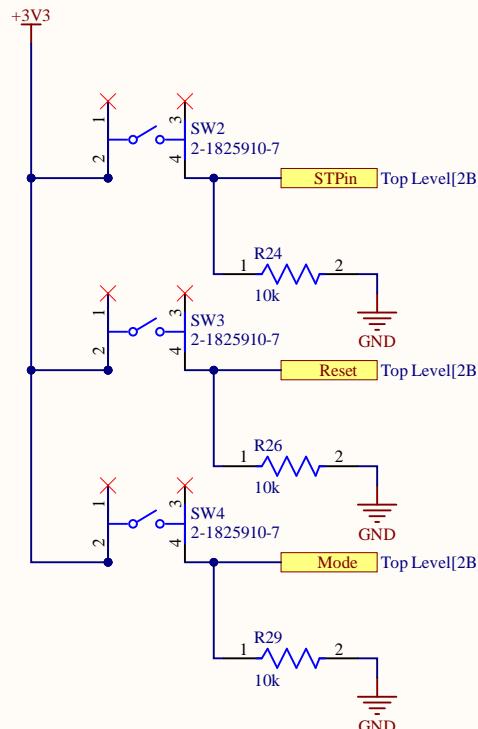
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Title Solid Connections		
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▲ OLED display connected via I<sub>2</sub>C interface. Powered from 3.3 V rail. Pinout: VCC, GND, SCL, SDA.  
[SSD1306]



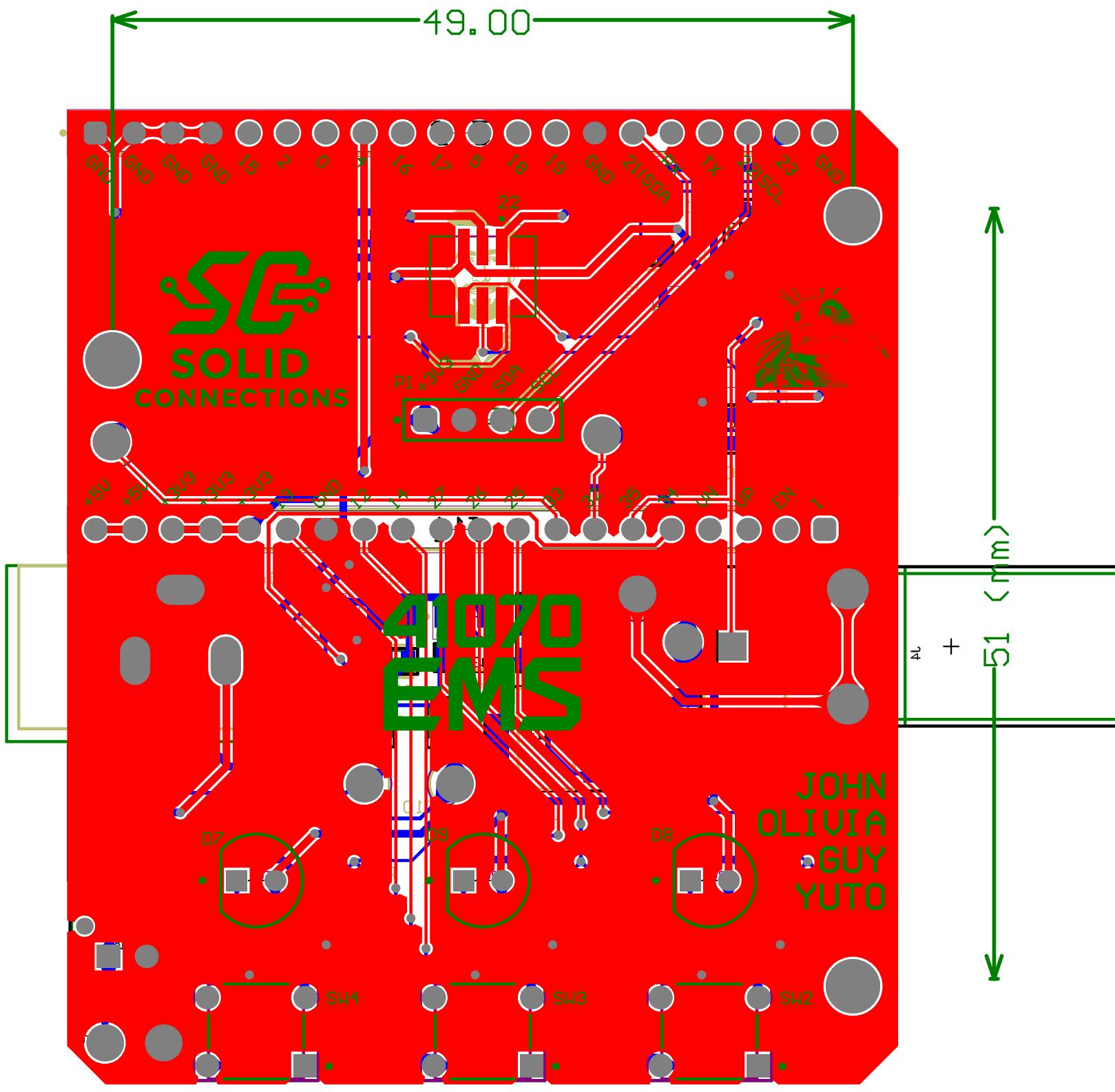
▲ SSD1306 OLED module includes onboard 4.7 kΩ pull-ups on SDA and SCL (R5/R6 = 472). No external pull-ups required.

Indicator LED controlled via logic-level N-MOSFET (Qx). GPIO pulls gate HIGH to turn ON LED.  
 $300\Omega$  sets current to  $\approx 4\text{ mA}$  (based on 3.3 V and ~2 V LED drop).

Change group name in project options: parameters  
Change other fields in sheet properties: parameters

Title  
Solid Connections

Size	Number	Revision
A4	UI_Interface.SchDoc	*
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# Board Stack Report