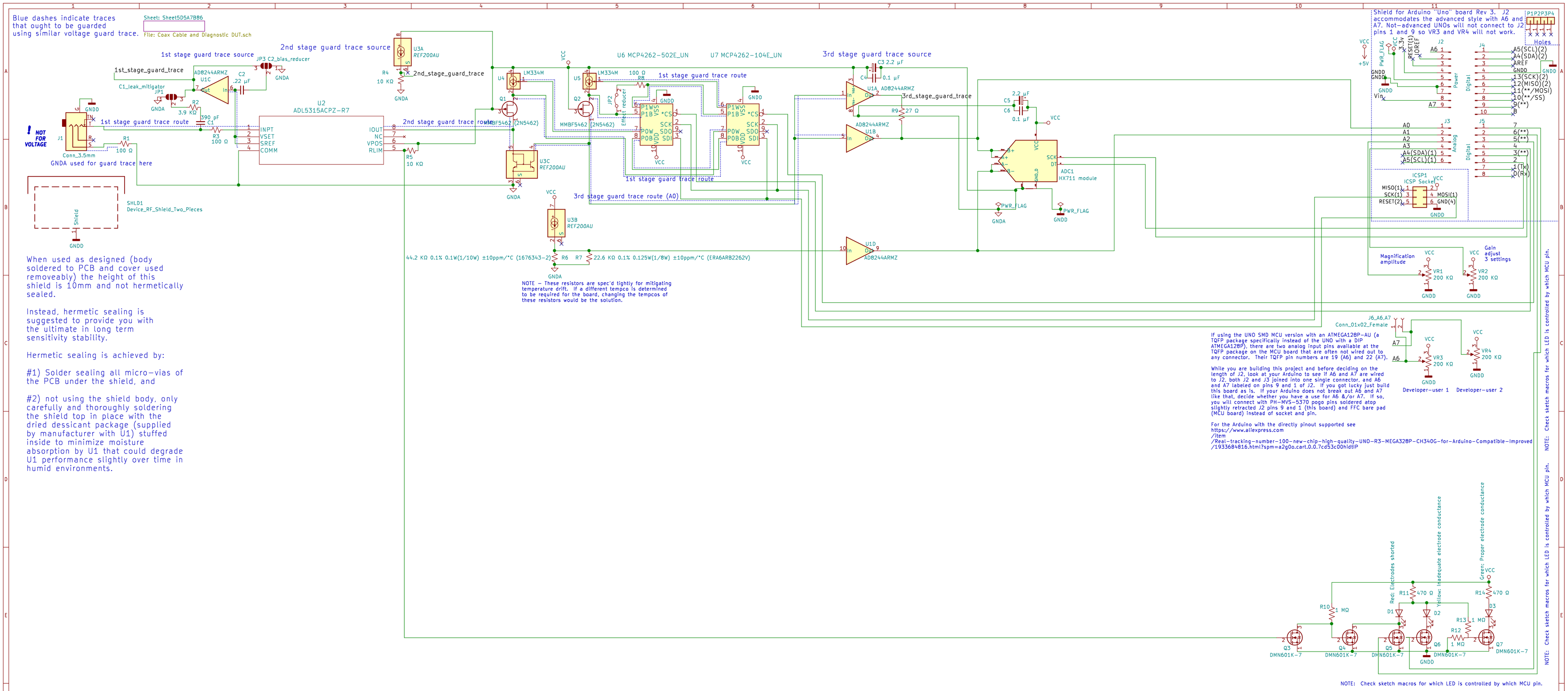


When used as designed (body soldered to PCB and cover used removeably) the height of this shield is 10mm and not hermetically sealed.

Instead, hermetic sealing is suggested to provide you with the ultimate in long term sensitivity stability.

Hermetic sealing is achieved by:

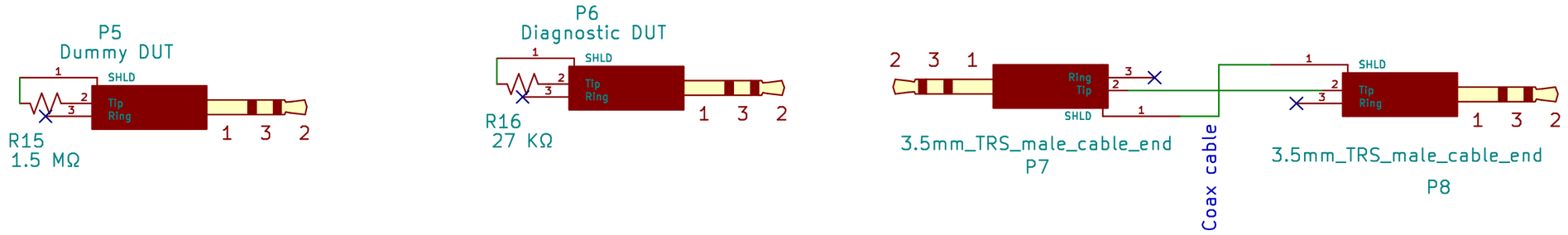
#1) Solder sealing all micro-vias of the PCB under the shield, and

#2) not using the shield body, only carefully and thoroughly soldering the shield top in place with the dried dessicant package (supplied by manufacturer with U1) stuffed inside to minimize moisture absorption by U1 that could degrade U1 performance slightly over time in humid environments.

NOTE: Except where indicated otherwise, component part numbers and vendors are suggested based on likely imperfect research of pricing and availability for the USA in the spring of 2019.

Sheet: 1/2	
File: uno shield.sch	
Title: GWAAMC Training Aid Main Board for UNO with MCP4262 HX711 LM334 REF200 MMBF5462 (2N5462)	
Size: A2	Date: 05-09-2019 (C) Copyright Kenneth L. Anderson 2018-2019	Rev:
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu16.04.1	Id: 1/2

NOTE: These symbols are required to generate an accurate BOM. To use them in that way, copy them and paste them anywhere into the main page.
They do not have to show within any sheet boundary.
Generate the new BOM and delete the symbol copies from the main page, and main page only, when finished, always leaving the original symbols in this sheet.
If the copies are left in the main page when later updating the PCB, they will interfere with the generation of the PCB Gerber files because these have no residencies on the PCB.



Sheet: /Sheet5D5A7B86/
File: Coax Cable and Diagnostic DUT.sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. kicad 5.1.2-f72e74a84ubuntu16.04.1		Id: 2/2