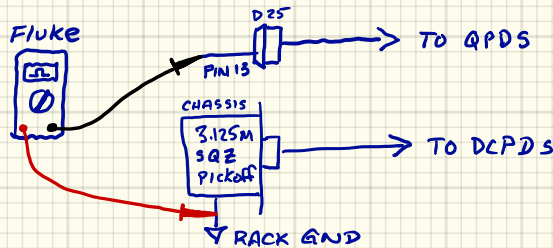


Measurement
Results

Connection	CHECKED IF OPEN CIRCUIT
DCPD SHIELD → PZT SHIELD	☒
DCPD SHIELD → QPD SHIELD	☒
QPD SHIELD → PZT SHIELD	☒
DCPD SHIELD → RACK GROUND	☒
QPD SHIELD → RACK GROUND	☒
PZT SHIELD → RACK GROUND	☒

Measured QPD PIN 13 is connected to rack ground IF AND ONLY IF DCPD CABLE is plugged into SQZ passthru to split whitening

Measurement
Results

Measured QPD PIN 13 is connected to QPD SHIELD

As it is established that the QPD shield is tied to rack ground when the DCPD cable is plugged into the split whitening via the squeezer 3.125 MHz pickoff chassis, there must be some connection between the QPD shield and a "Ground" wire in the DCPD wiring chain. Remember, the QPD shield is NOT connected to the DCPD shield or the PZT shield.

Next
Steps

DCPD PIN #*	FUNCTION	CONNECTED TO QPD SHIELD	CONNECTED TO PIEZO SHIELD
PIN 13	CABLE SHIELD	NO	NO
PIN 15	DCPD HEAD 2 PWR GND		
PIN 16	DCPD HEAD 2 PWR GND		
PIN 19	DCPD HEAD 1 PWR GND		
PIN 20	DCPD HEAD 1 PWR GND		

* Pinout information from D1300502