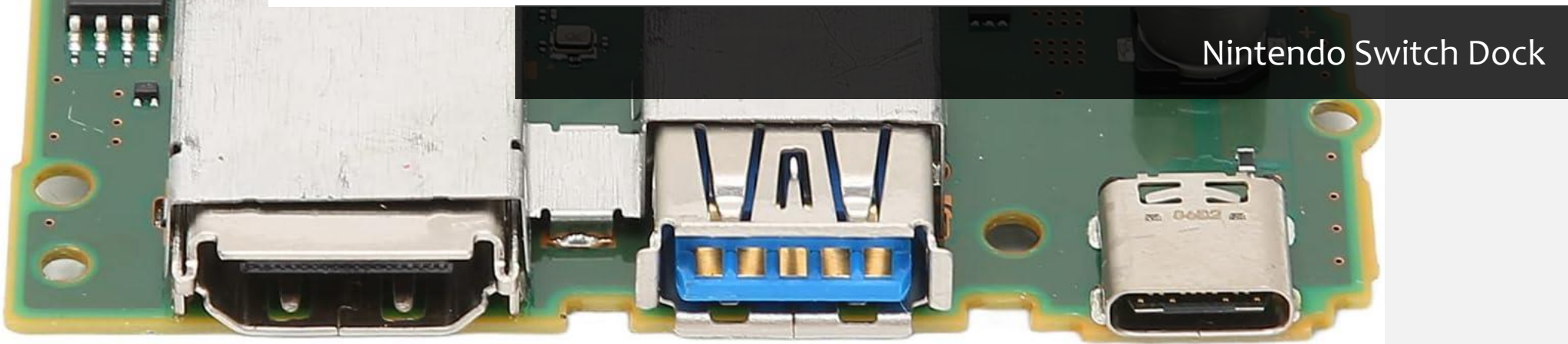


Diode Measurements



<https://www.youtube.com/@fixmyappjim>

fixmyapp
Research

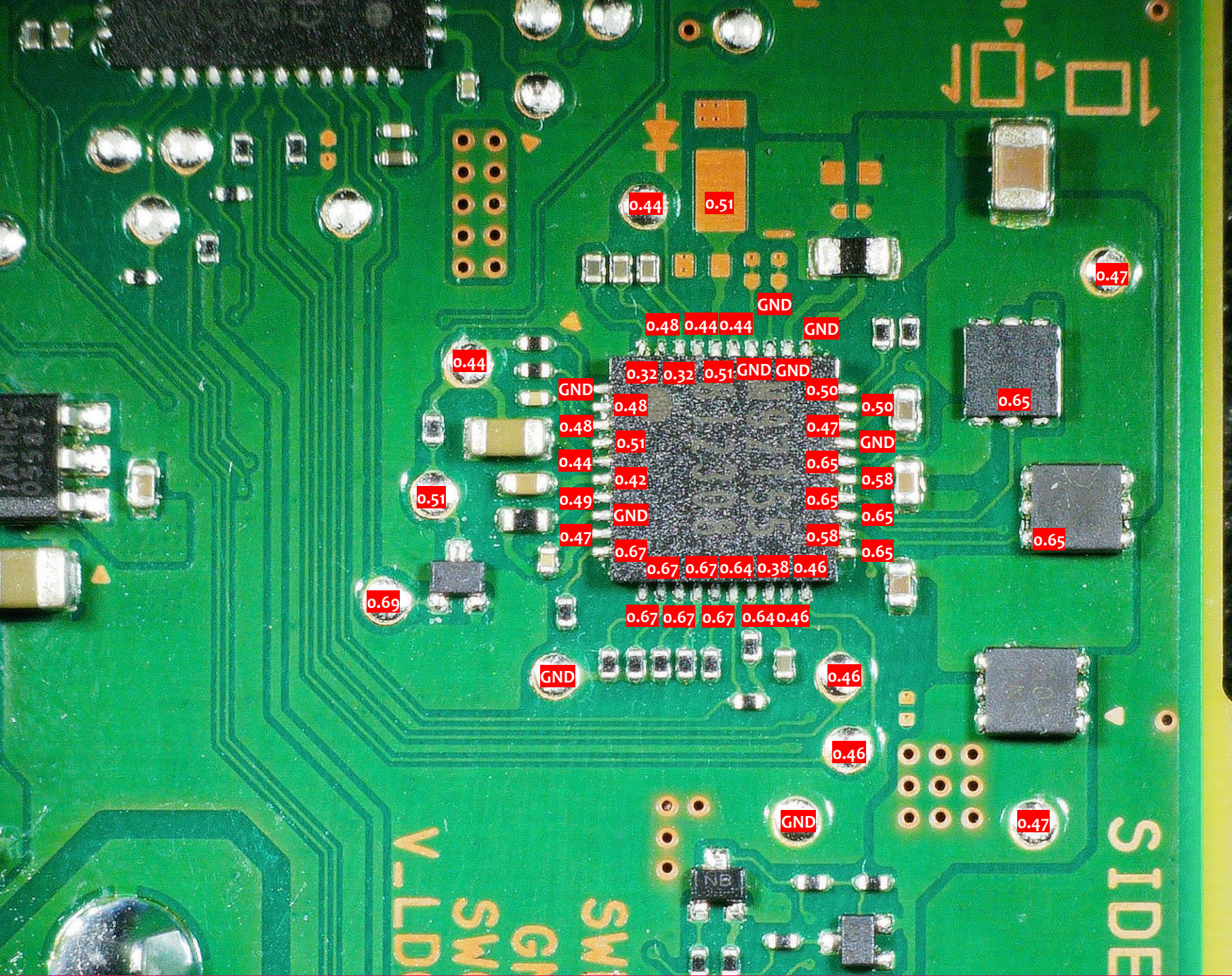
How to measure in diode mode



How to measure in diode mode

- Set multimeter in diode mode
- Set red probe to GROUND
- Set black probe to the component
- Compare the component with the correct values in this video
- If value is different then you can investigate or replace component

DIODE MEASUREMENT



Rohm BM92T55 USB-C power delivery controller

- No Green LED
- Not Charging
- Nintendo Switch does not recognize the Dock

DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

Megachips STDP2550 Mobility DisplayPort (MyDP) to HDMI Converter

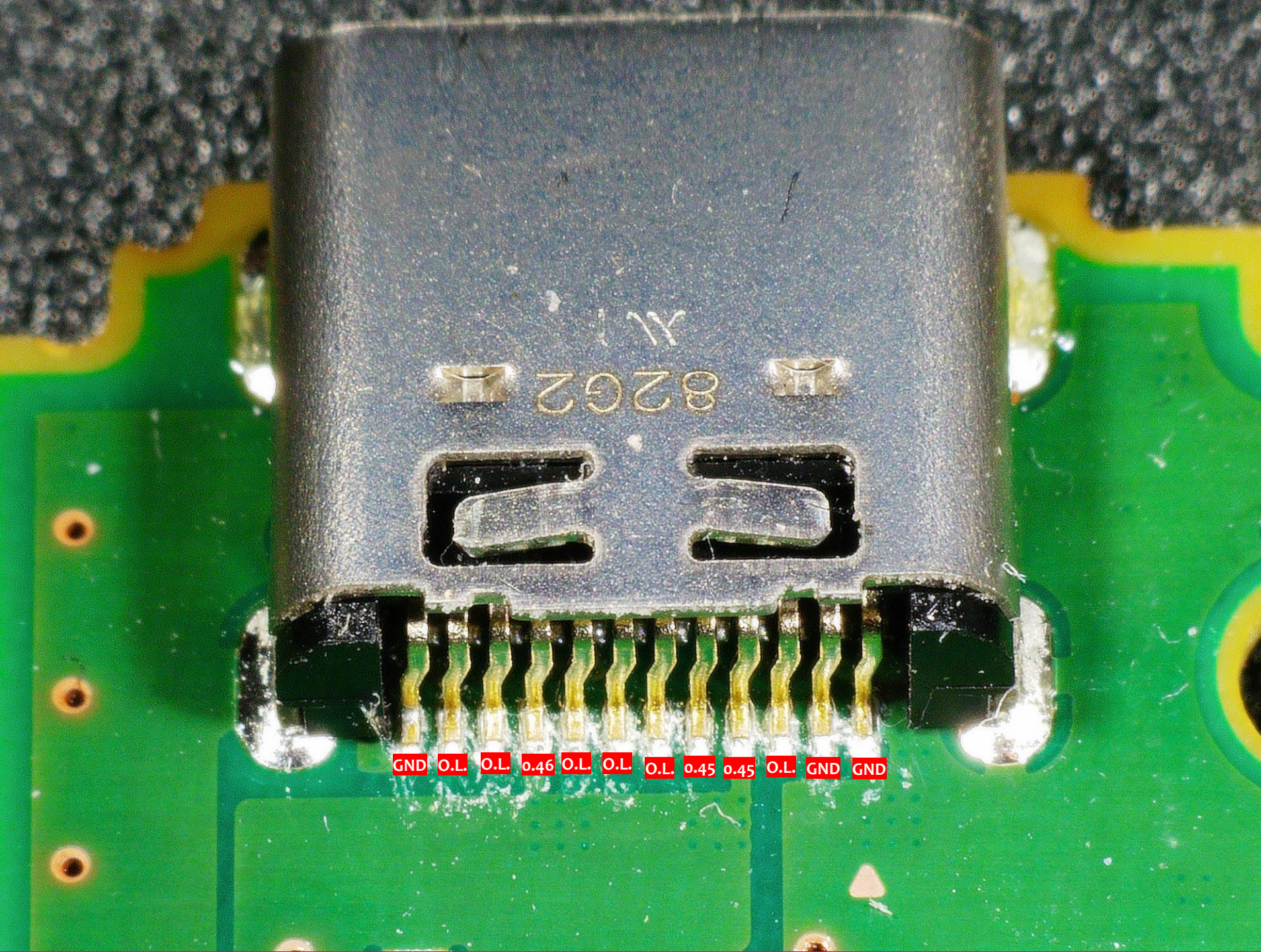
- Green LED is ON
- Switch recognize the Dock
- No HDMI output to screen / no picture

The IC cost \$20,-

DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

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Research



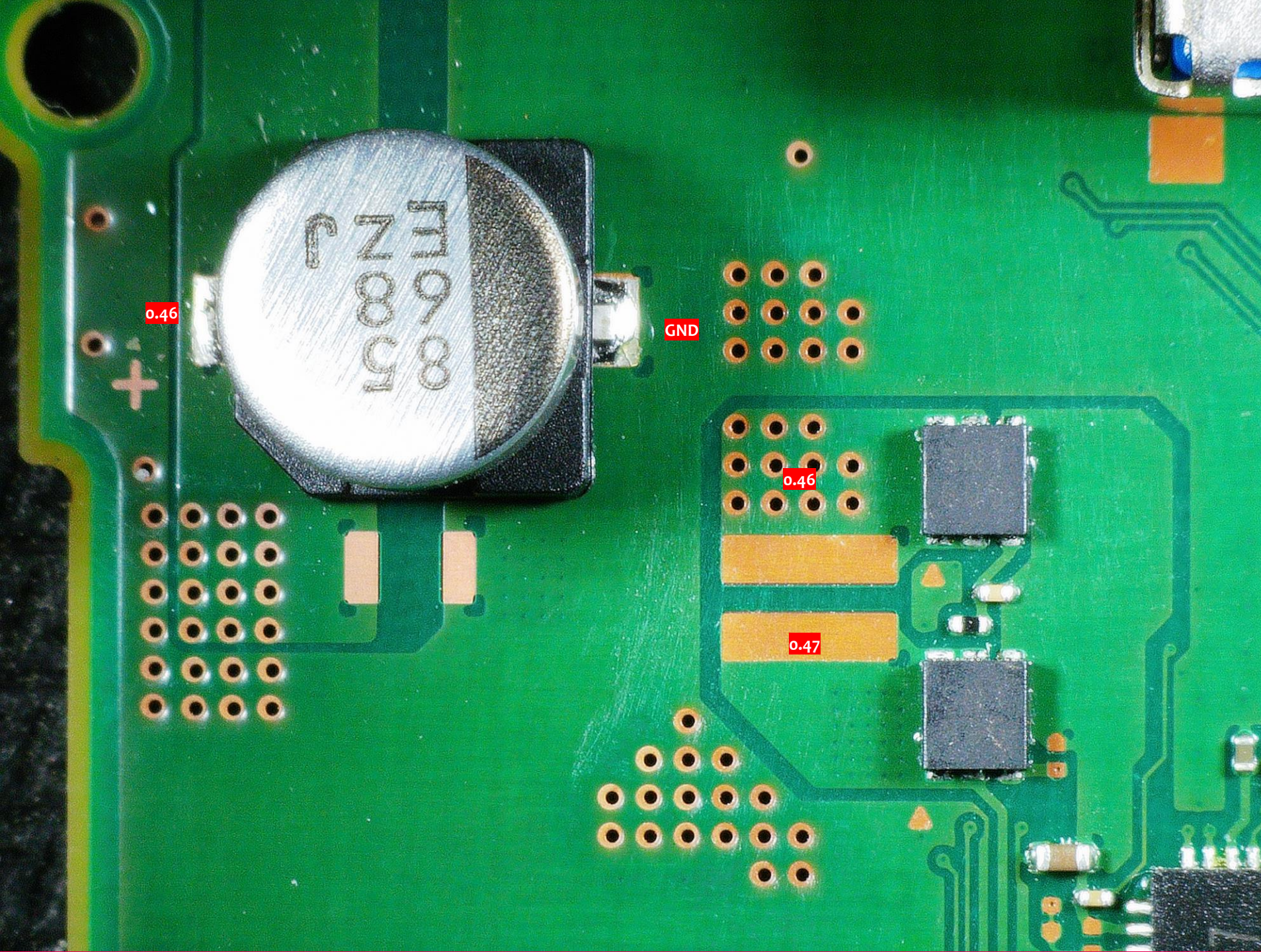
USB-C connector

DIODE MEASUREMENT

GND O.L. O.L. 0.46 O.L. O.L. O.L. 0.45 0.45 O.L. GND GND

<https://www.youtube.com/@fixmyappjim>

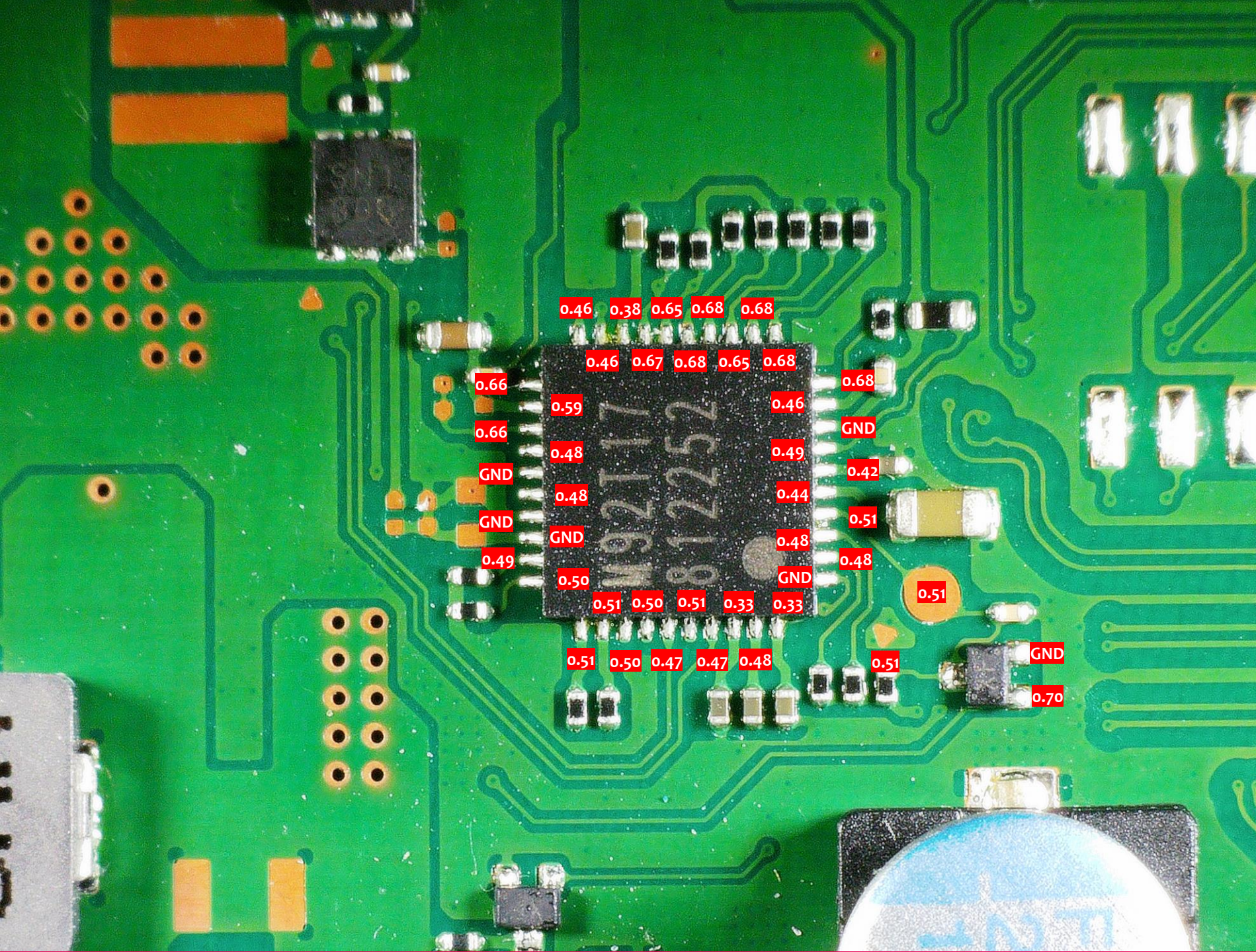
fixmyapp
Research



DIODE MEASUREMENT

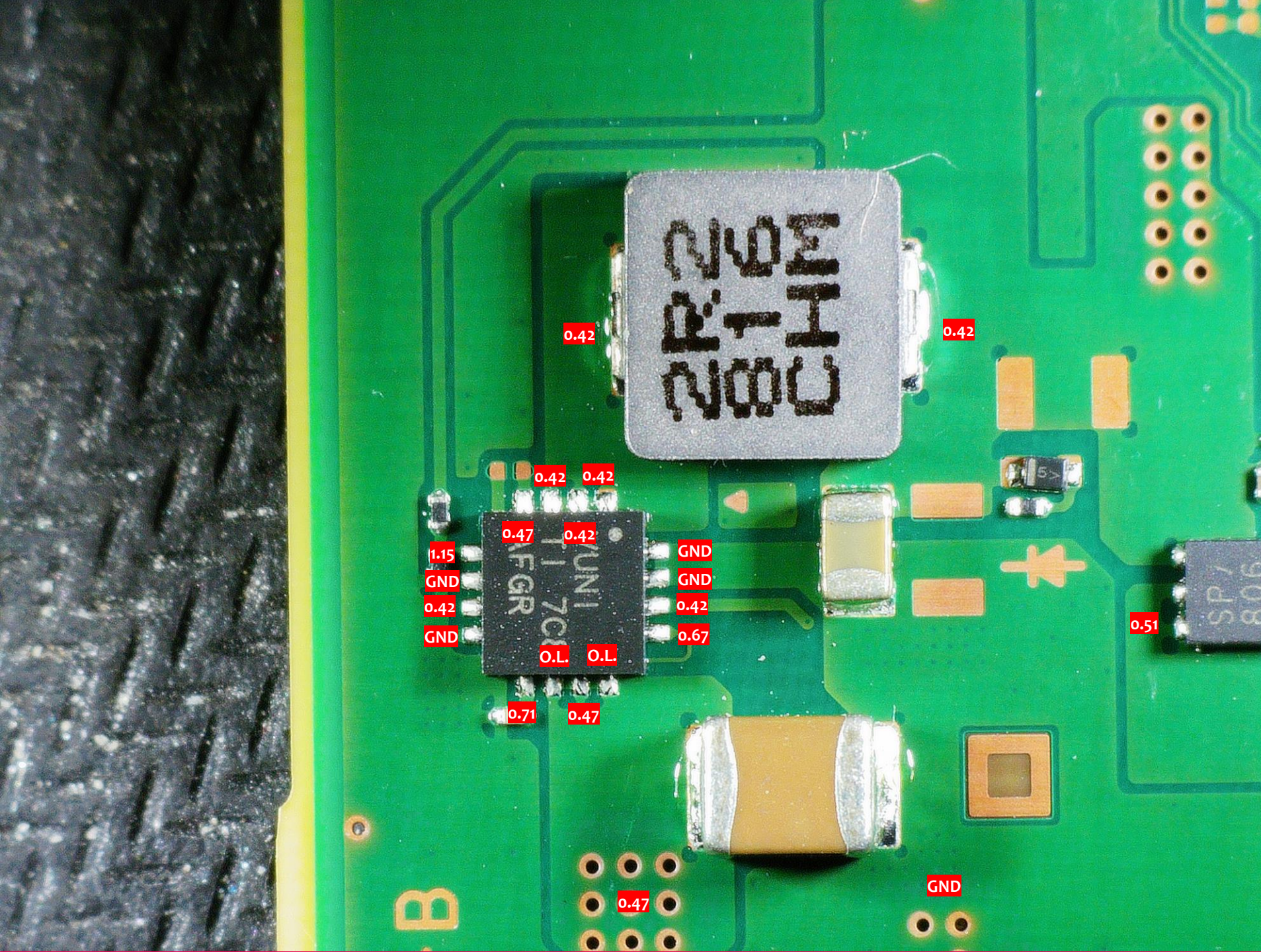
<https://www.youtube.com/@fixmyappjim>

Rohm BM92T17 USB-C power delivery controller



DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>



DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

Megachips STDP2550 Mobility DisplayPort (MyDP) to HDMI Converter

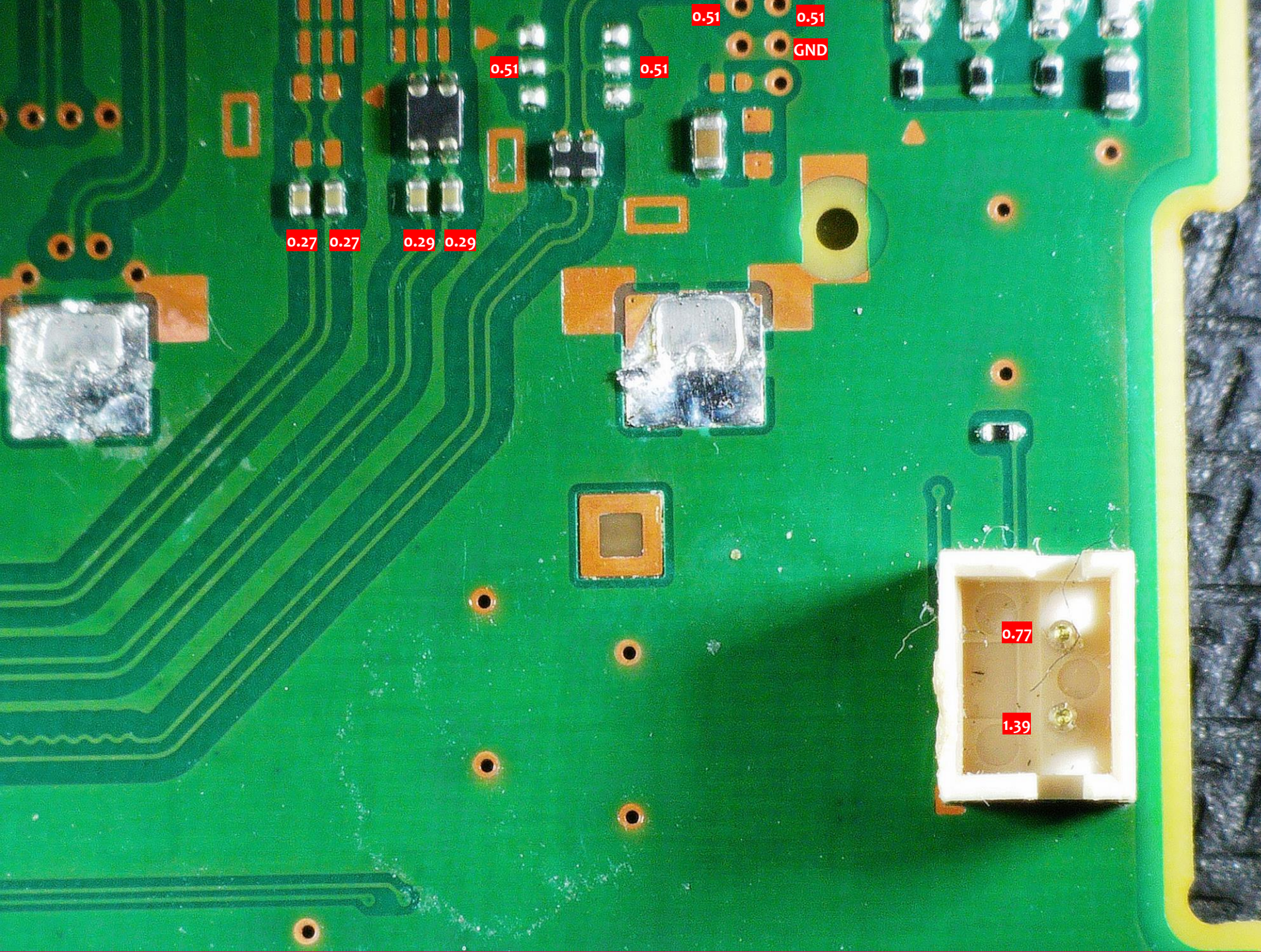
- Green LED is ON
- Switch recognize the Dock
- No HDMI output to screen / no picture

The IC cost \$20,-

DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

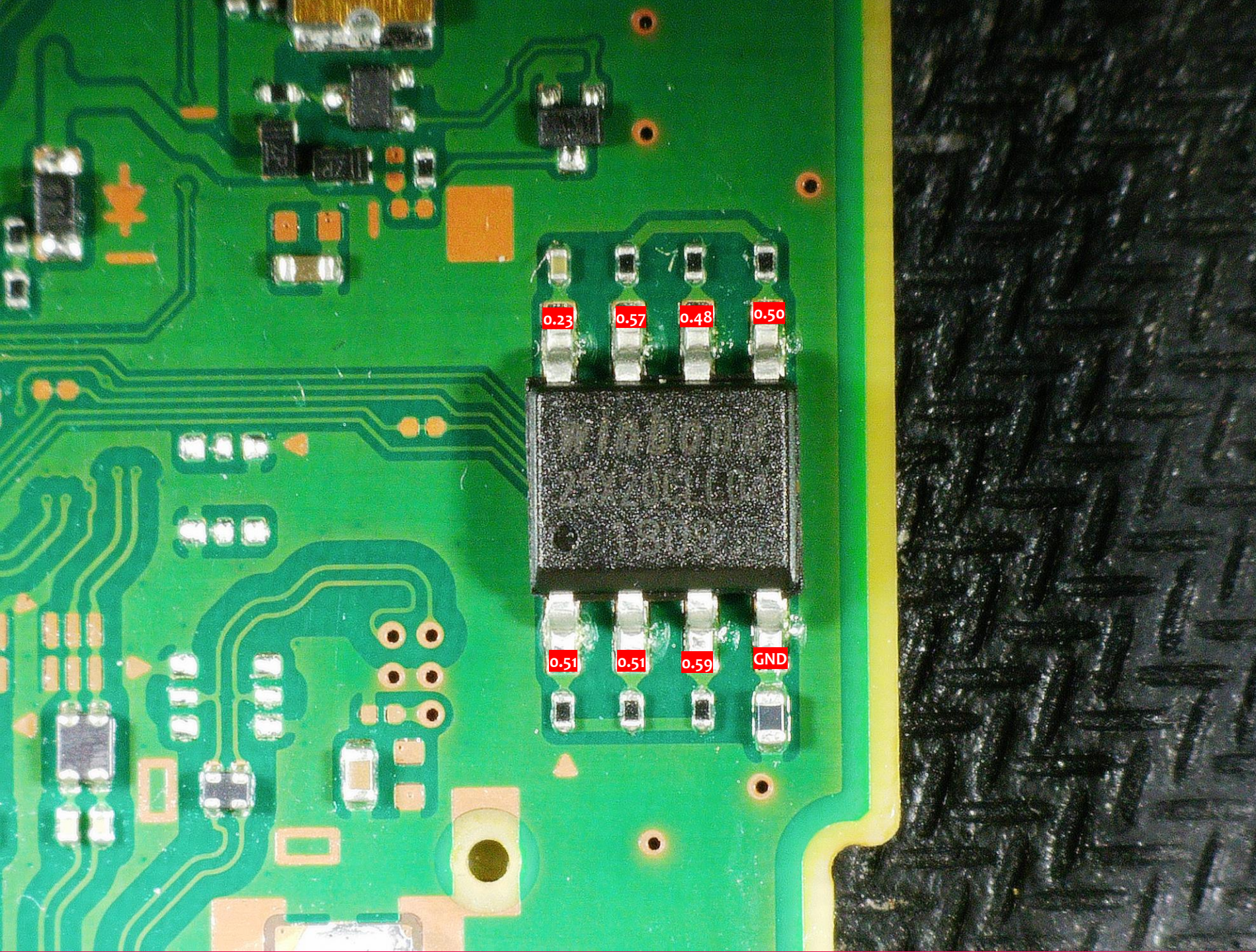
fixmyapp
Research



DIODE MEASUREMENT

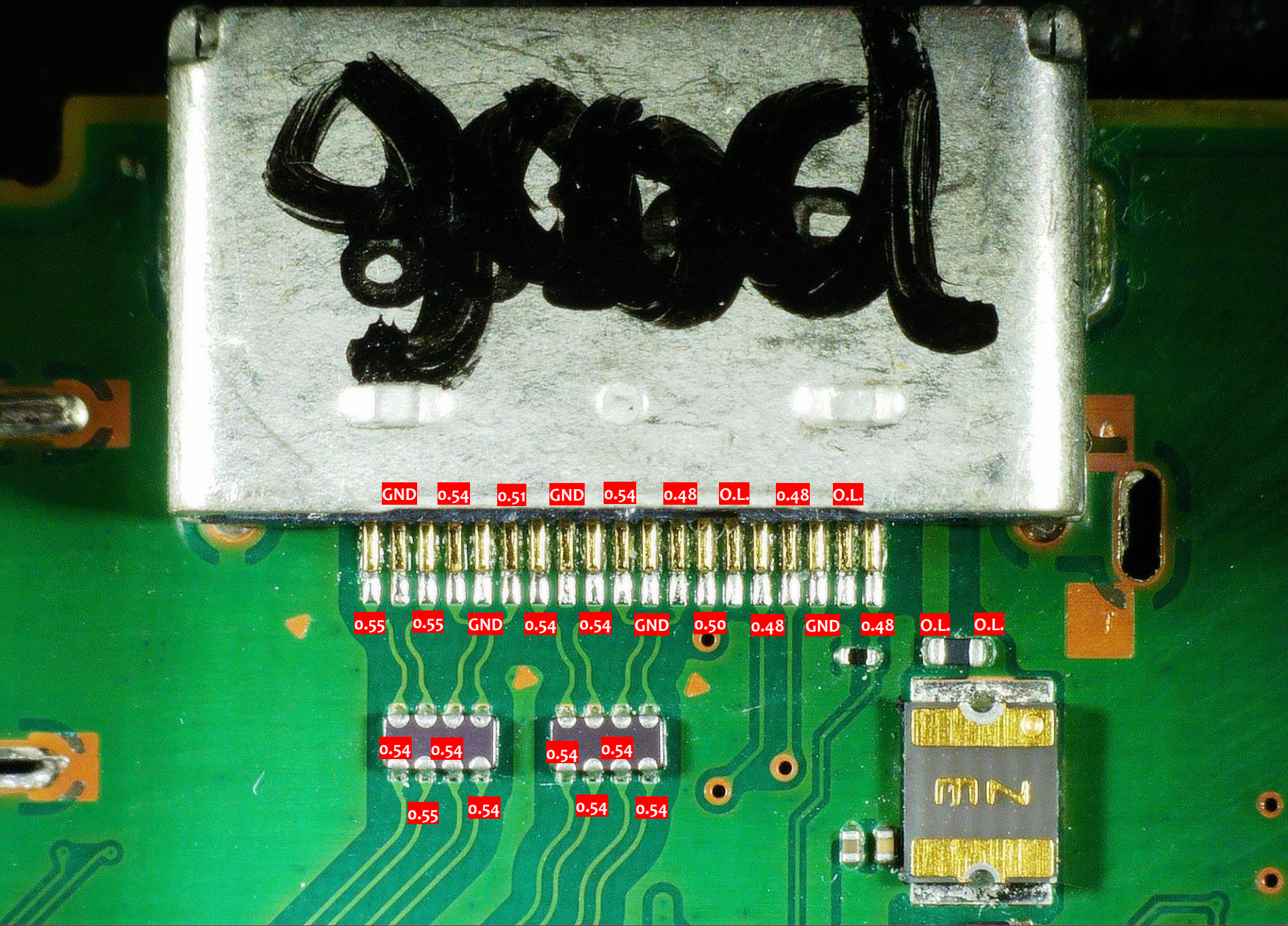
<https://www.youtube.com/@fixmyappjim>

fixmyapp
Research



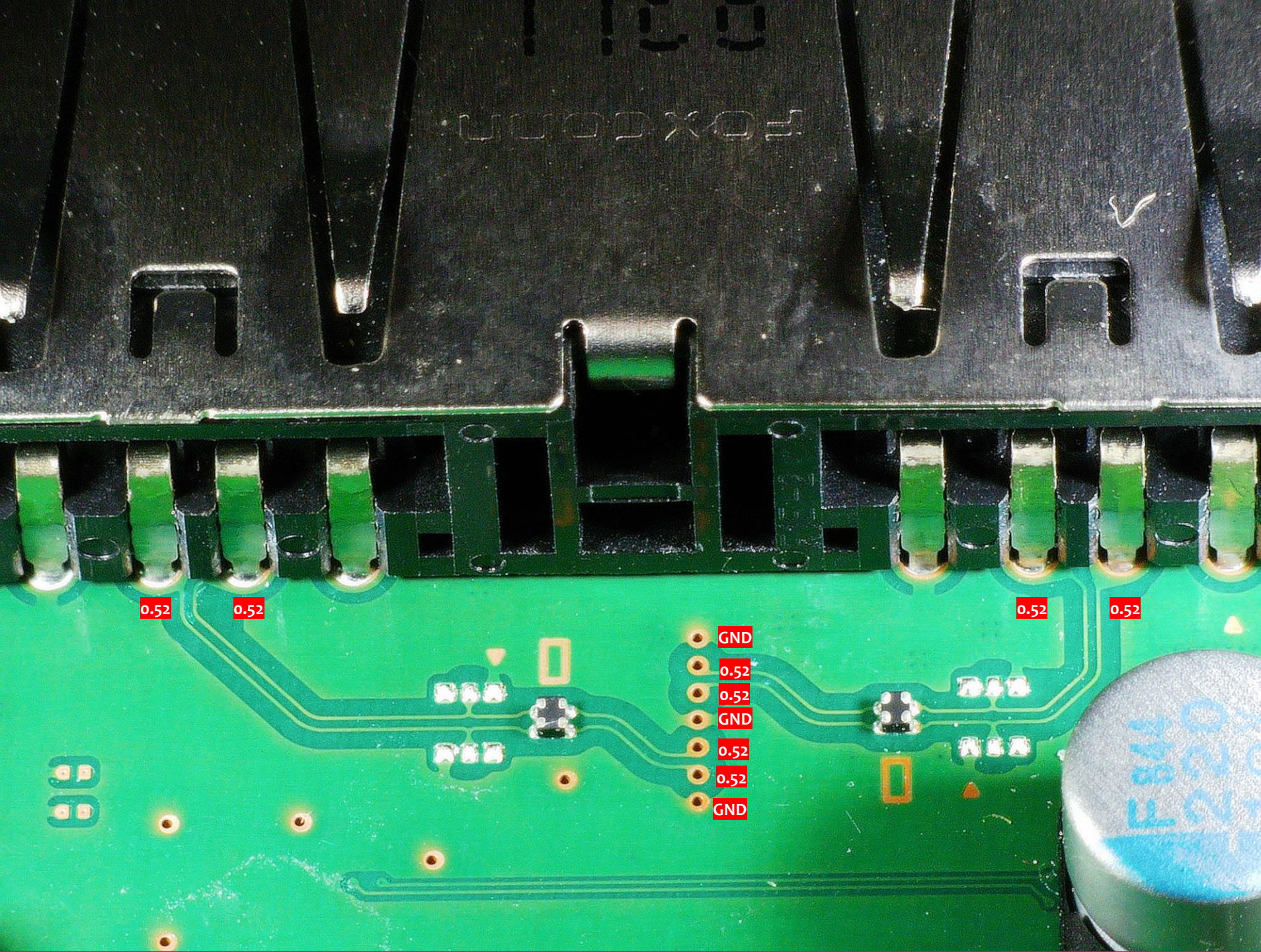
DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>



DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

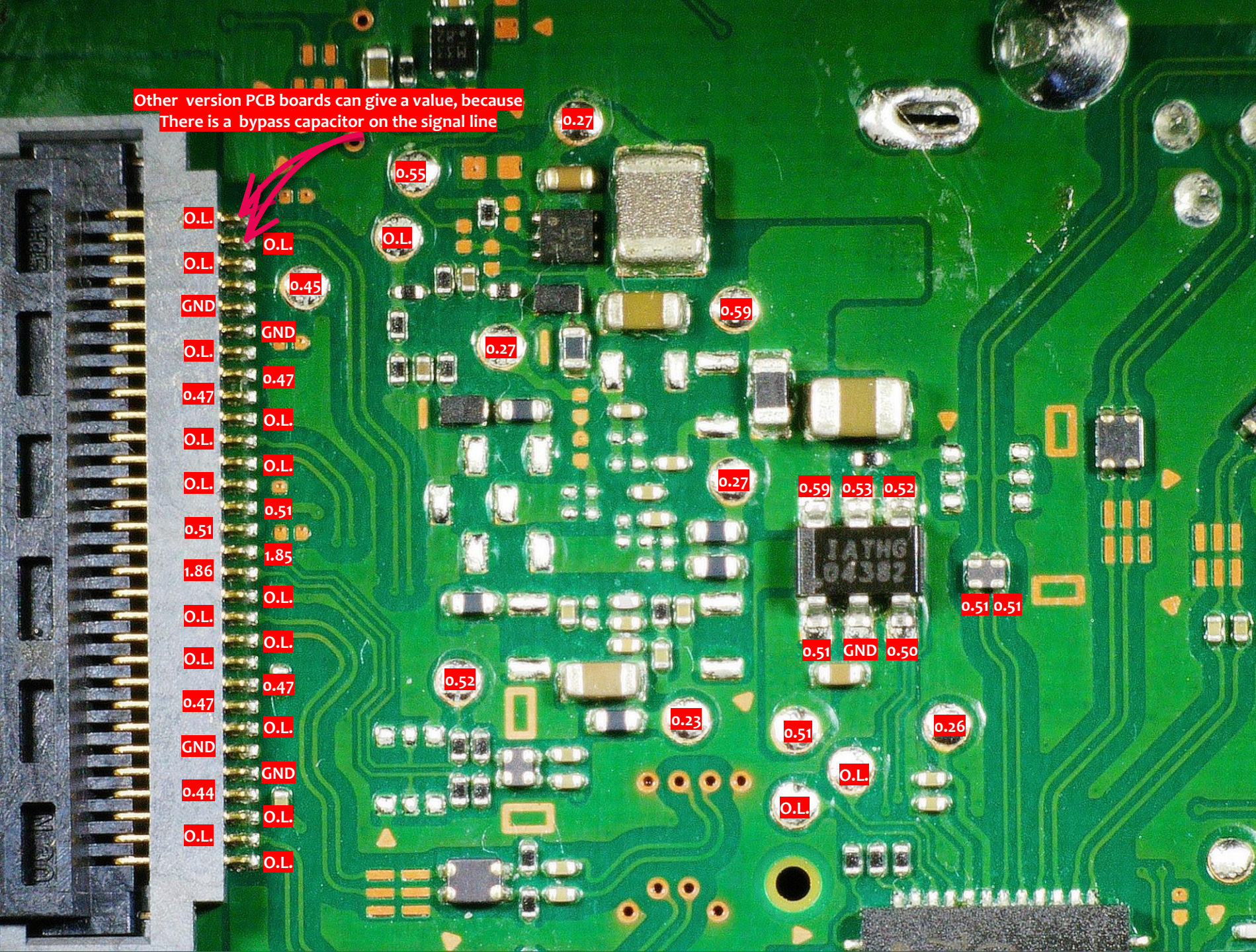


USB 2.0 Ports

DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

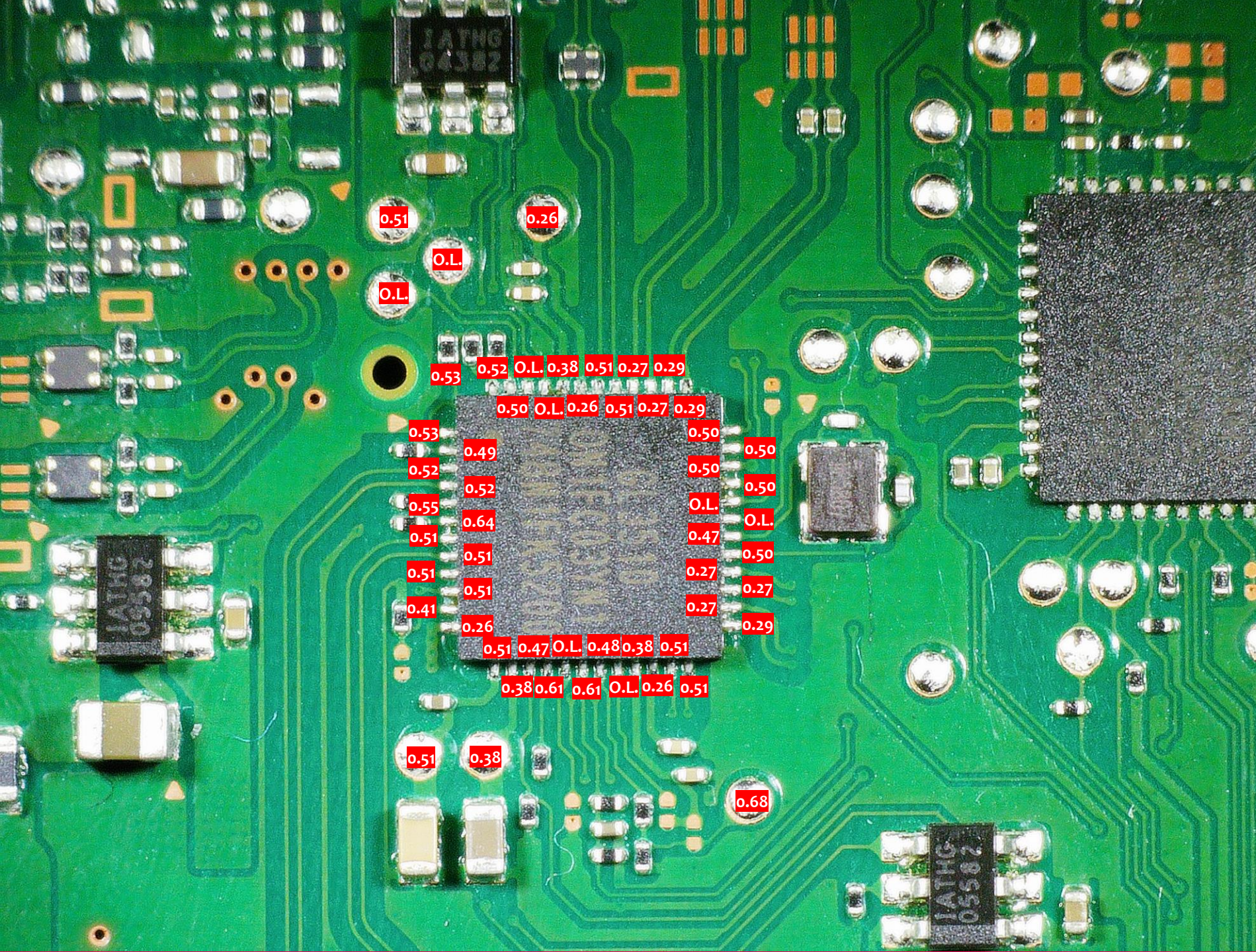
USB-C ribbon cable connector



DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

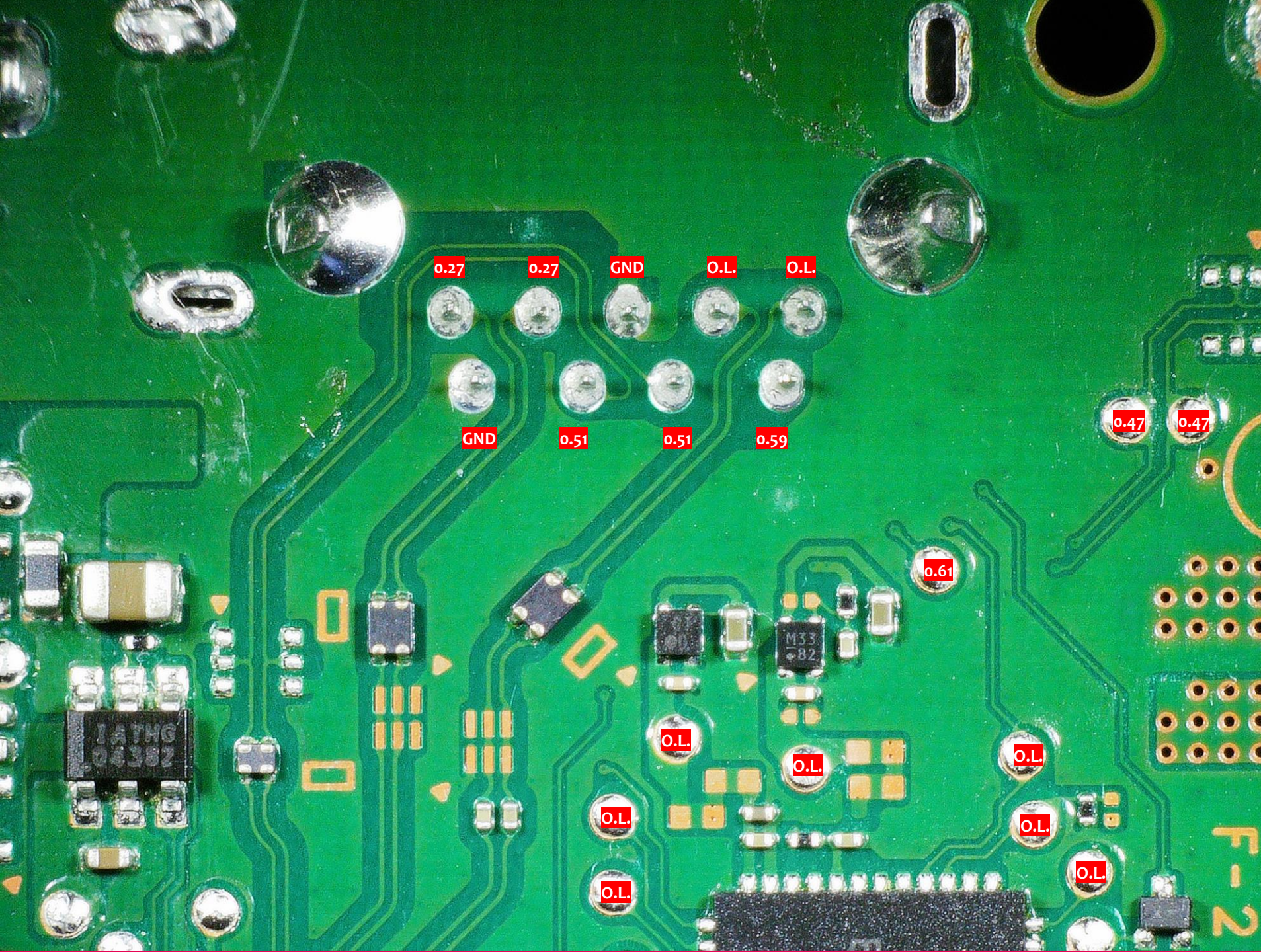
VIA Labs VL210 USB 3.0 Hub Controller



DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

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Research



USB 3.0 Port

DIODE MEASUREMENT

<https://www.youtube.com/@fixmyappjim>

