The issue description of OPEN and SHORT Detection
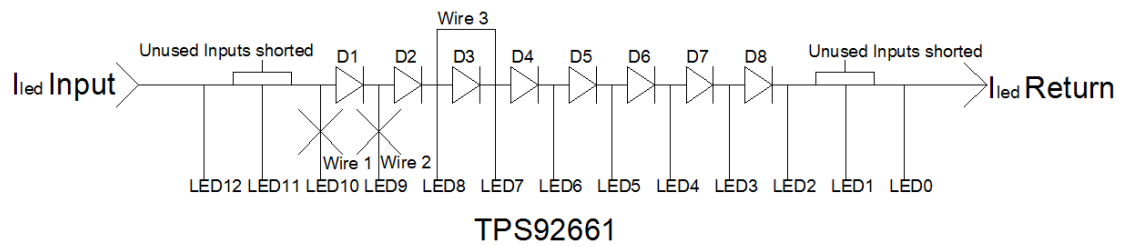
Use the TPS92661 to control the 8 LEDs string with below diagram and unused Pins are shorted.

TPS92661

We want to use the TPS92661 OPEN and SHORT detection function

1. Simulated the LED D1 OPEN via disconnecting wire 1 and wire 2.
2. Simulated the LED D3 SHORT via connecting Pin LED 8 and LED 7 with wire 3.

Maintain the OPEN and SHORT existing and read the FAULT register, but corresponding bits were still 0.

We did not find the reasons and could you provide some ideas for us?

Thanks!