

## USB-IF Fixture Connector Care

## Relevant Connectors

- Standard A
- Micro-B
- Type-C
- SMA

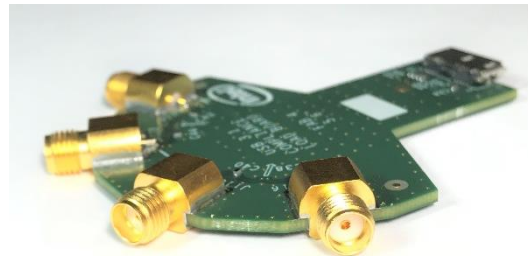


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## Inspection

Verify the following:

- Connectors are clear of aggregates
- Pin is not bent
- Threads are not stripped
- Connectors do not have scratches or dents
- Connectors are not loose



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## Cleaning Connectors

If aggregate accumulates in a connector, carefully remove with one of the following techniques:

- Apply pressurized air
- Wipe contents with a cotton swab doused with isopropyl alcohol

**WARNING:** Wait until alcohol is completely evaporated before making connections.

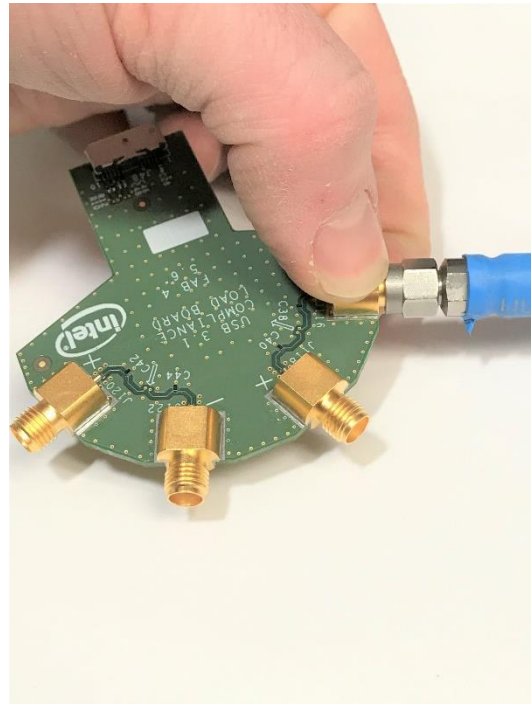


## Connecting and Torqueing SMAs

With one hand, pinch the receptacle SMA connector on the USB-IF fixture. With the other hand, guide the pin connector into the receptacle connector, then tighten the SMA fastener. Use a torque wrench to complete tightening until the wrench collapses.

Use similar handling when removing connections.

**WARNING:** Handling PCB during torqueing may stress solder joint between PCB and SMA connector. Separation may occur, requiring repair or replacement prior to further use.



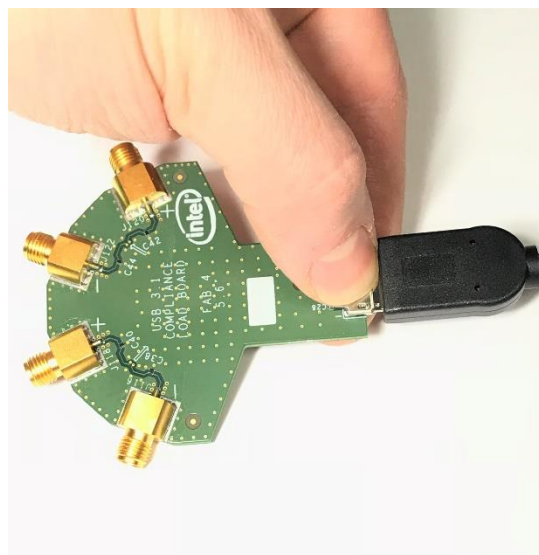
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## Connecting USB Ports and Cables

With one hand, pinch the USB receptacle on the USB-IF fixture. With the other hand, guide the USB plug on the cable into the receptacle. Apply just enough pressure for a secure seating.

Use similar handling when removing connections.

**WARNING:** Handling PCB during connections may induce stress on solder joints between PCB and USB receptacle. Separation may occur, requiring repair or replacement prior to further use.



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## Caution During Use

**BE AWARE** when connecting fixtures to a system under test. Stress caused by the weight of connected cables and additional fixtures may cause wear on connectors.