USB-IF Fixture Connector Care
Relevant Connectors

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

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

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.

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.

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.