



New Project Proposal: SFF-TA-1048

Compression Mount High-Speed Cable Interconnect

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New Project Proposal: SFF-TA-1048 Compression Mount High-Speed Cable Interconnect

- This specification defines the mechanical specifications and general performance requirements for a Compression Mount Cable Interconnect System that is designed for high-speed serial applications. Formfactors include vertical and right-angle receptacles and plugs for high speed (up to 256G) internal high-speed applications
- Editor(s): Raymond Law [LOTES]
- Supporters:
 1. HPE
 2. Dell
 3. IBM
 4. LOTES

New Project Proposal: SFF-TA-1048 Compression Mount High-Speed Cable Interconnect

- Key Features of Compression Mount Cable/Connector System
 - Right angle exit and straight exit cable
 - Low profile: 8.0mm mated height for right-angle
 - Pitch: 0.5mm within pair, 2.0mm x 1.8mm pair-to-pair
 - Support 29, 30, and 32 AWG twinax cables
 - Intent to support up to 256G data rate for PCIe and Ethernet applications
- IP Declaration (if applicable):
 - TBD

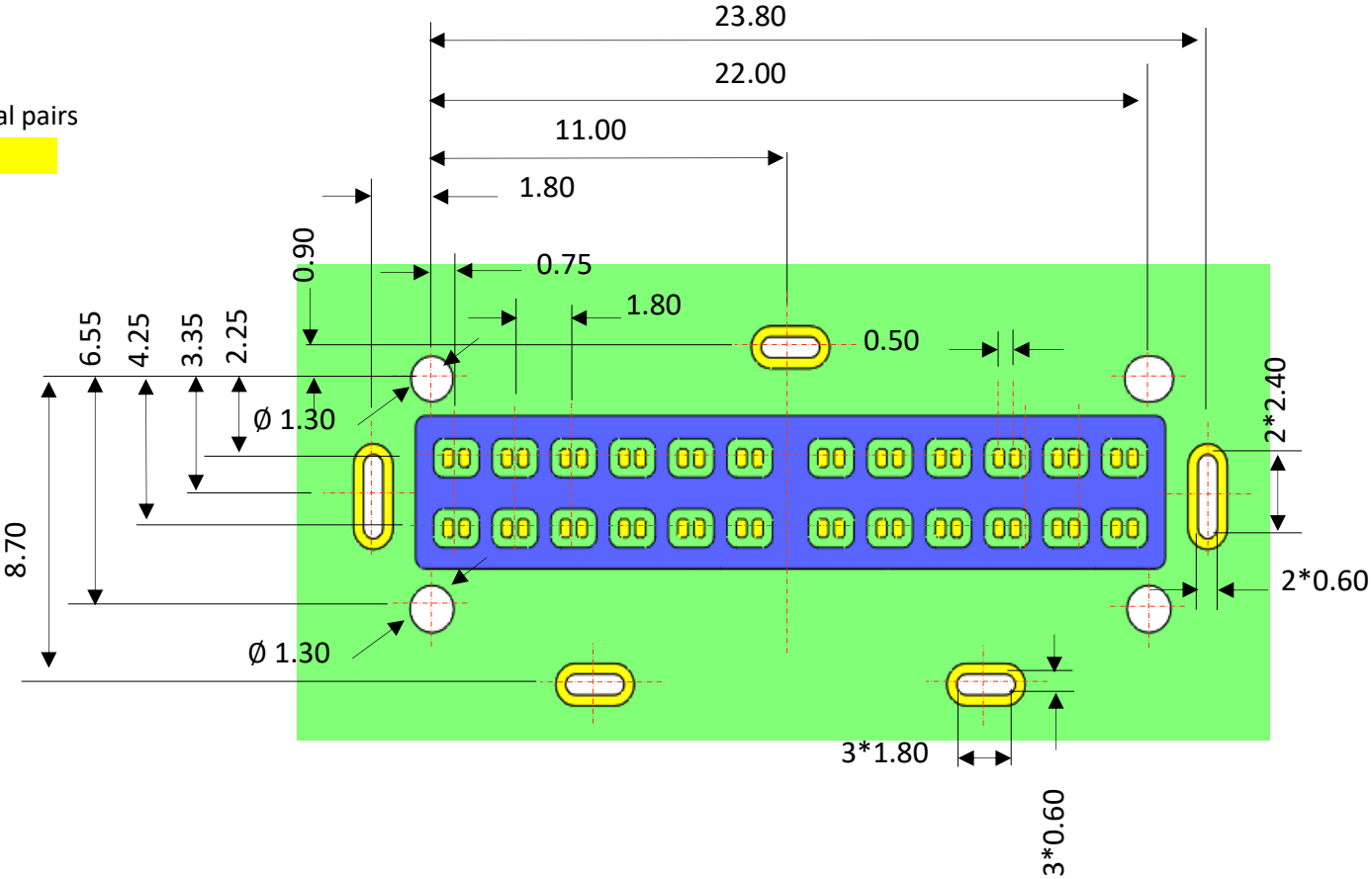
Compression Mount PrezLink Ultra

Example 2x12 Formfactor

GND shielding

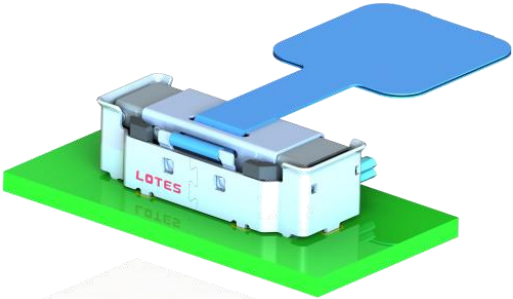
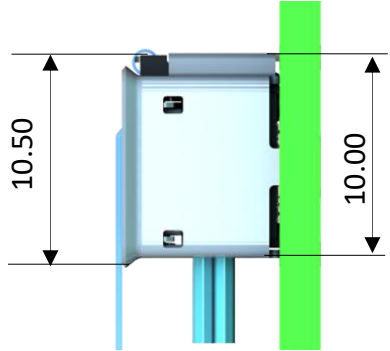
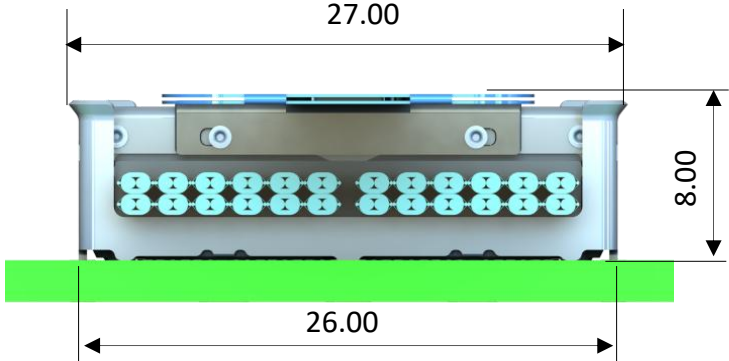
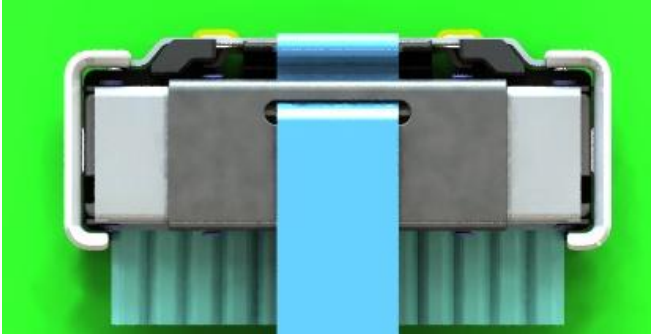
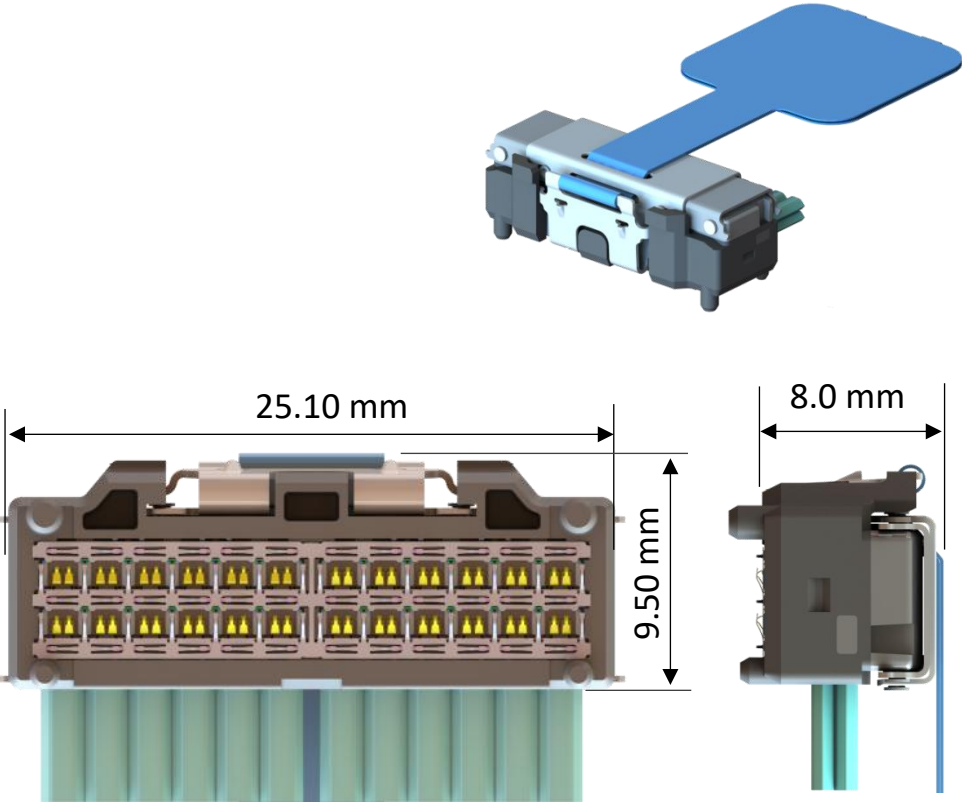


Signal pairs



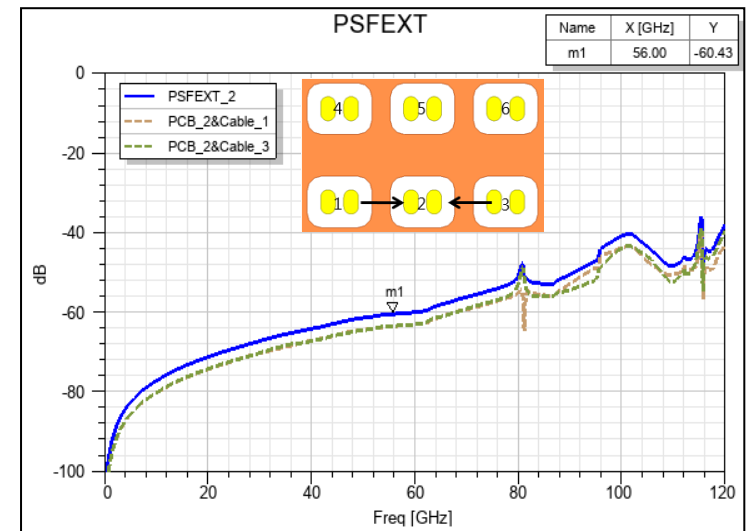
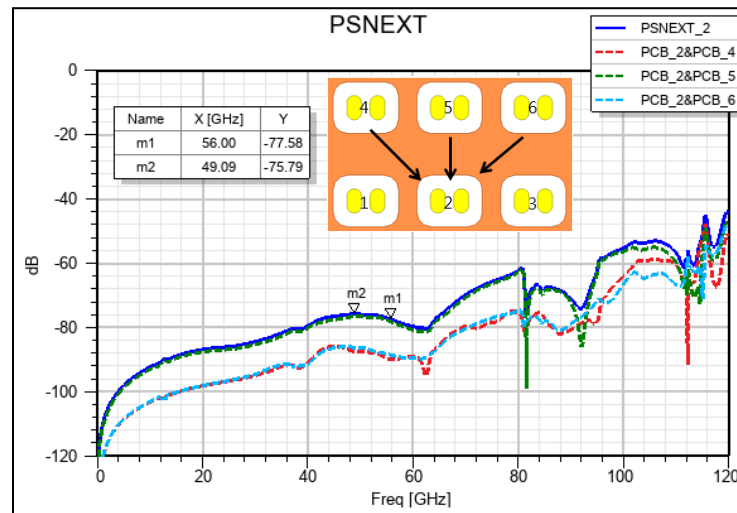
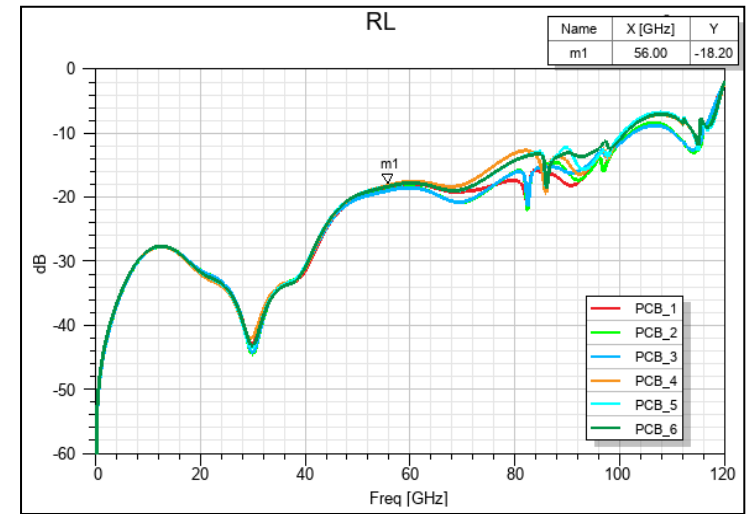
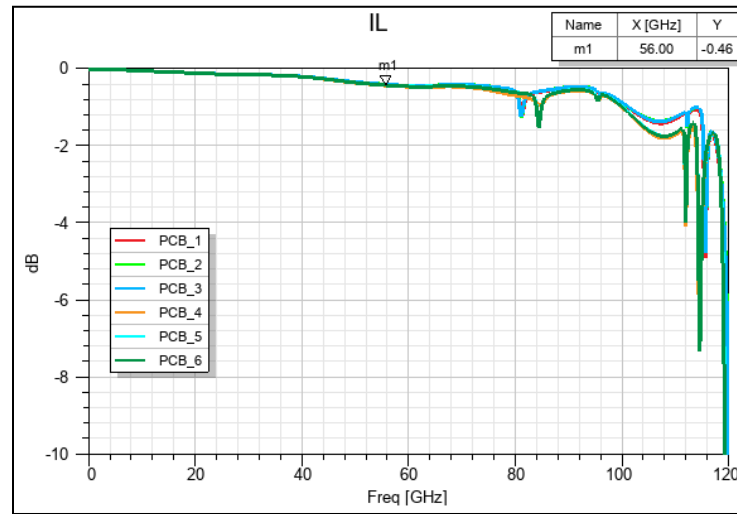
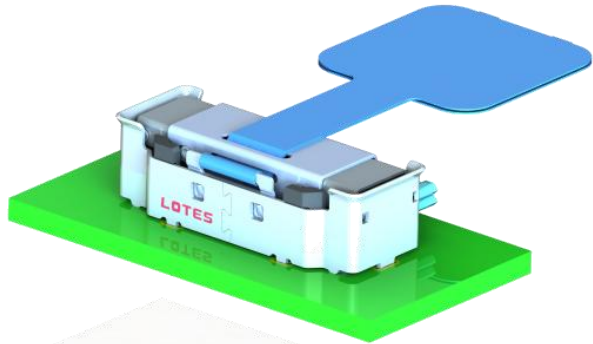
Compression Mount PrezLink Ultra – Right-Angle

Example 2x12 Formfactor



Compression Mount PrezLink Ultra – RA Mated Connector

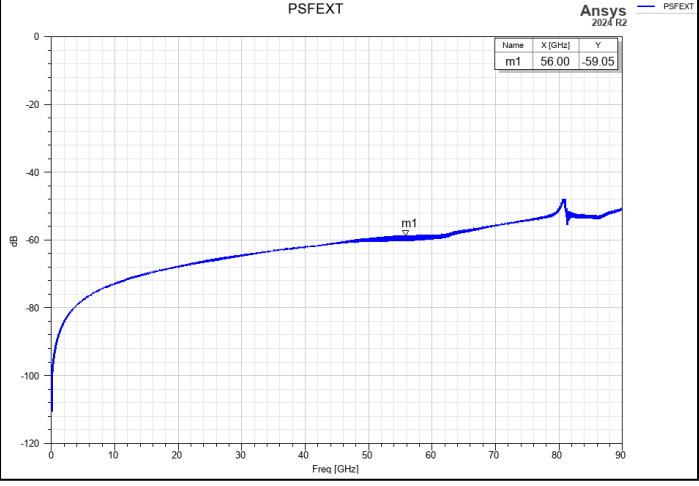
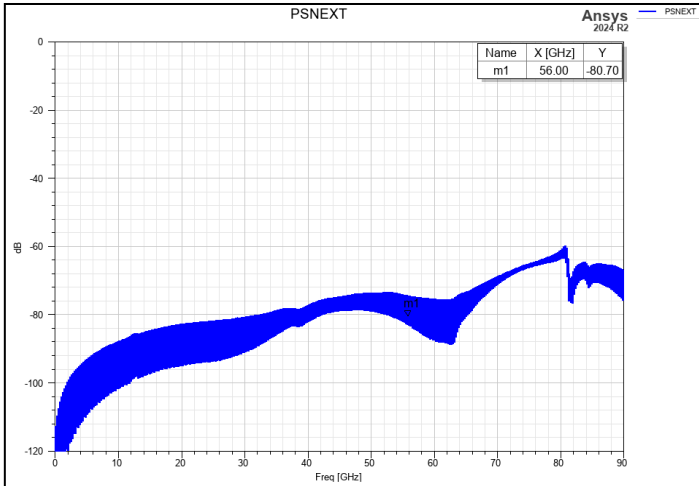
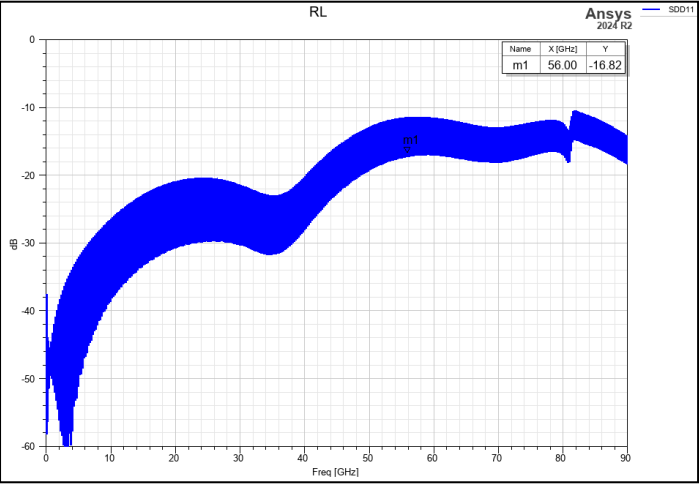
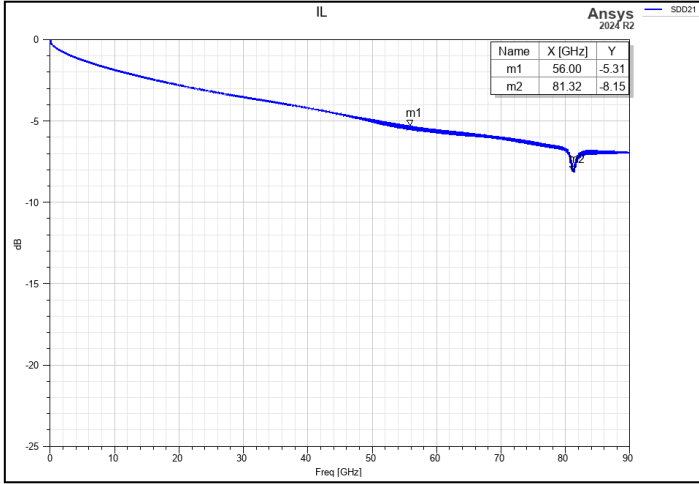
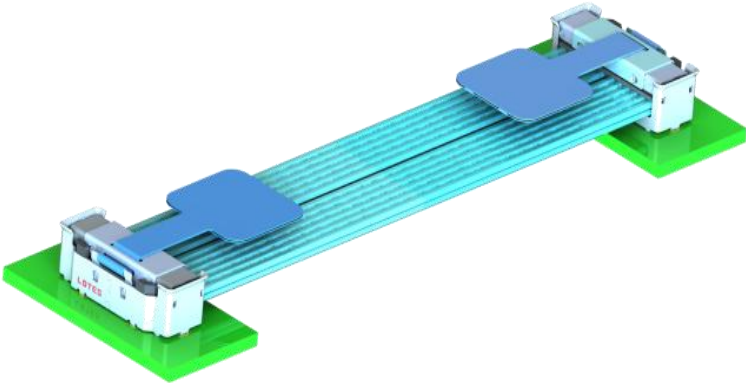
Example 2x12 Formfactor



Compression Mount PrezLink Ultra – RA Cable Assembly

Example 2x12 Formfactor

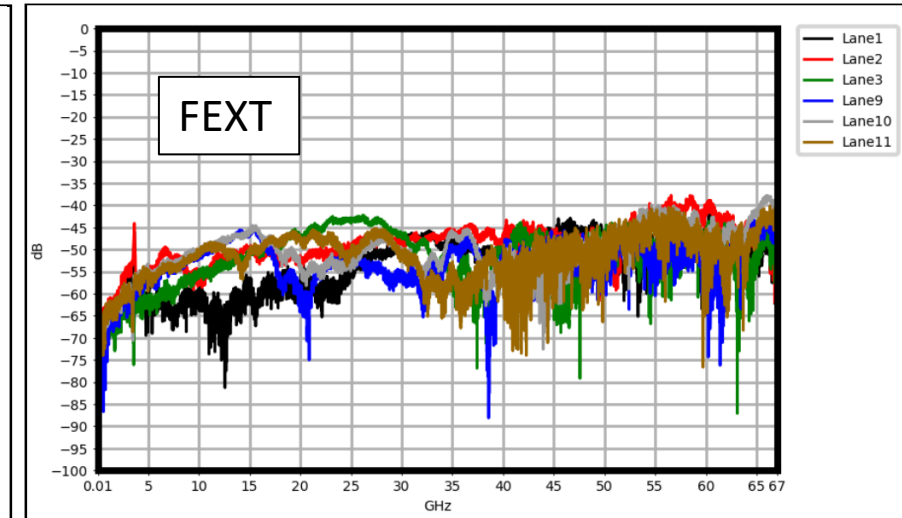
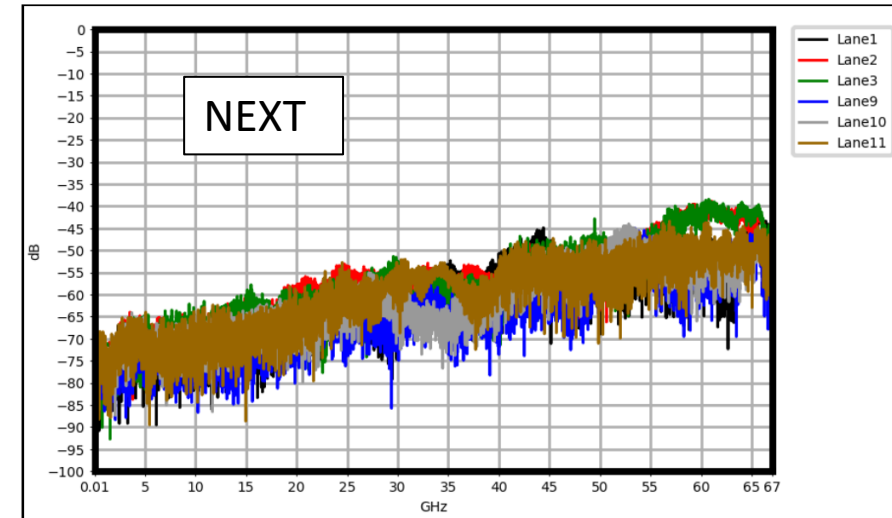
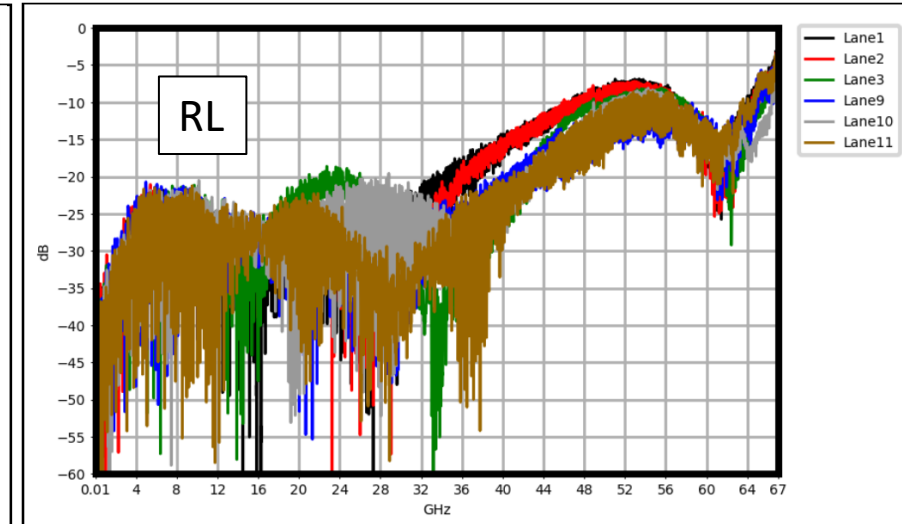
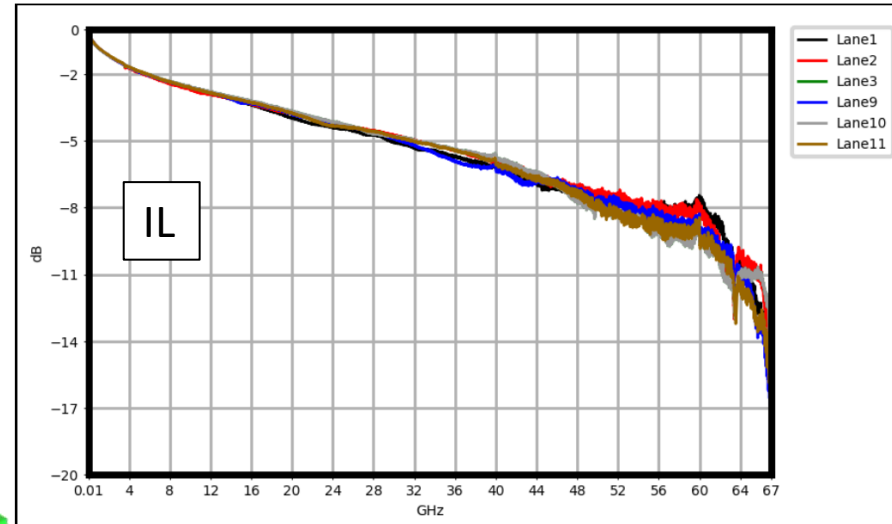
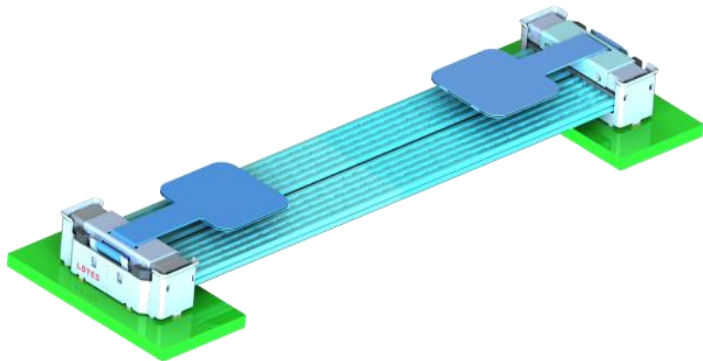
- 500mm 30 AWG cable



Compression Mount PrezLink Ultra – Measured RA Cable Assembly

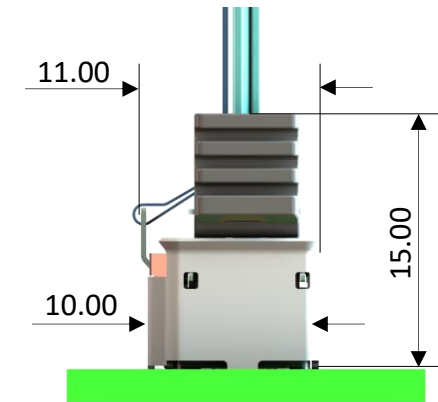
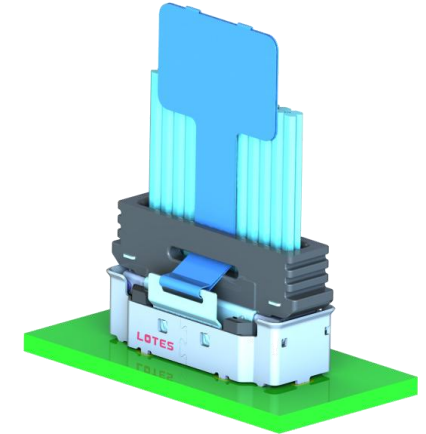
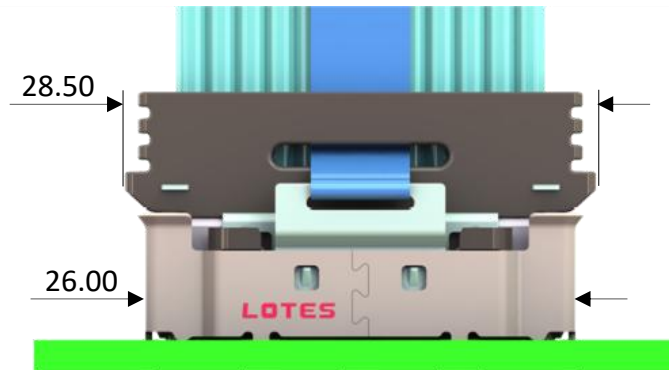
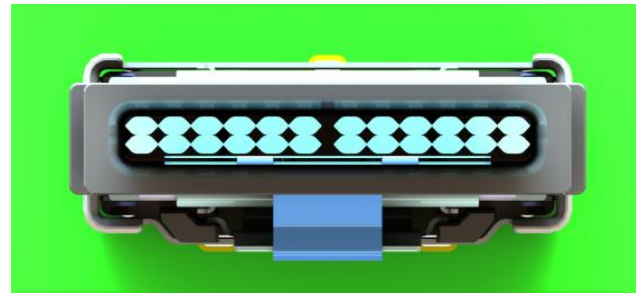
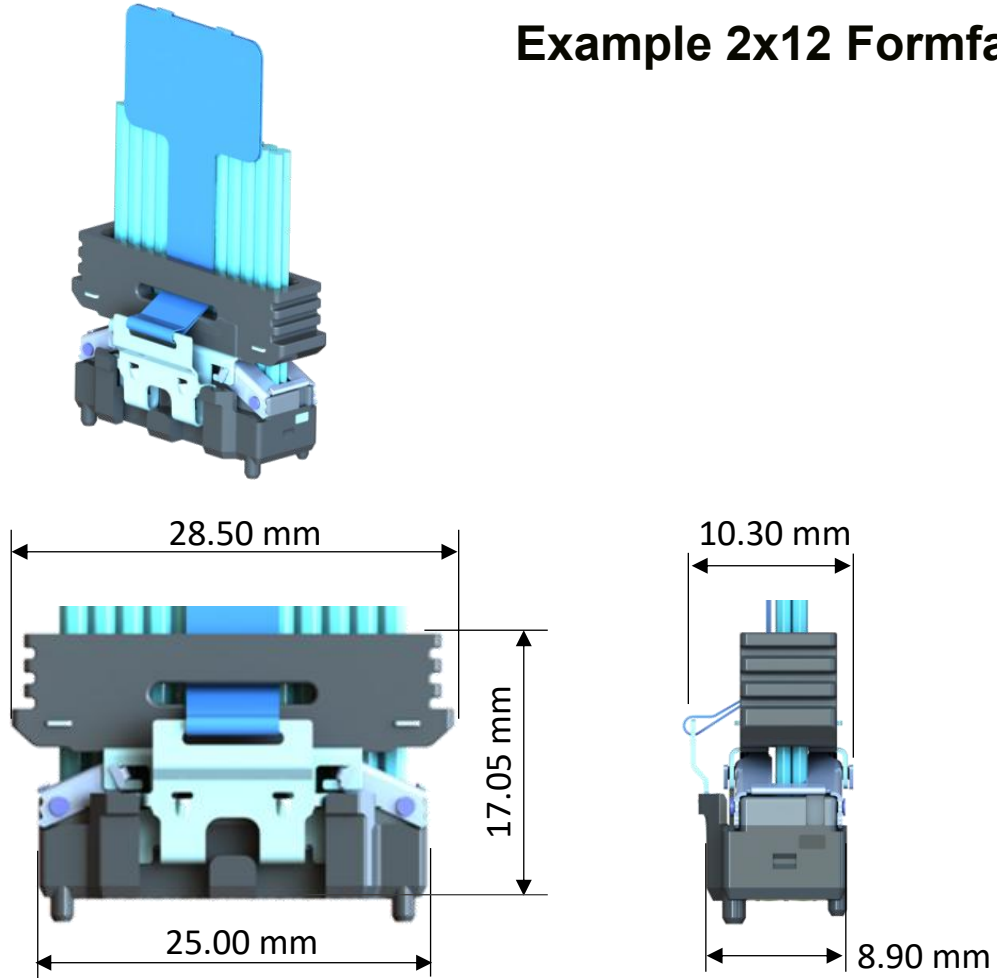
Example 2x12 Formfactor

- 500mm 30 AWG cable
- POC sample



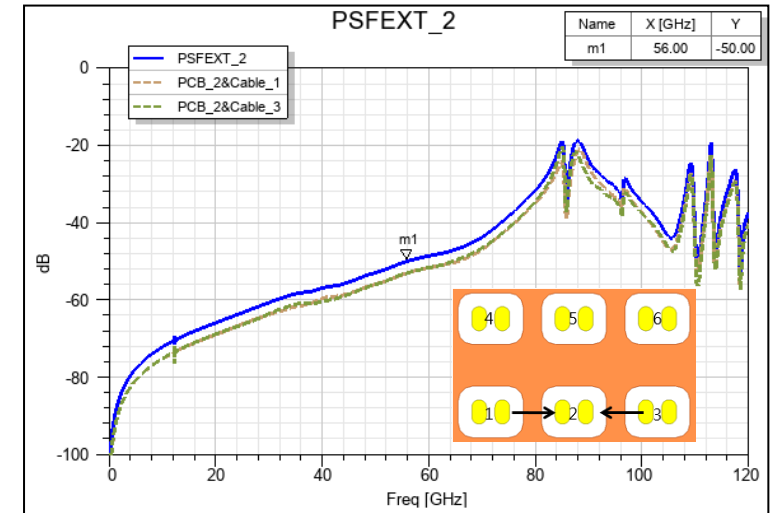
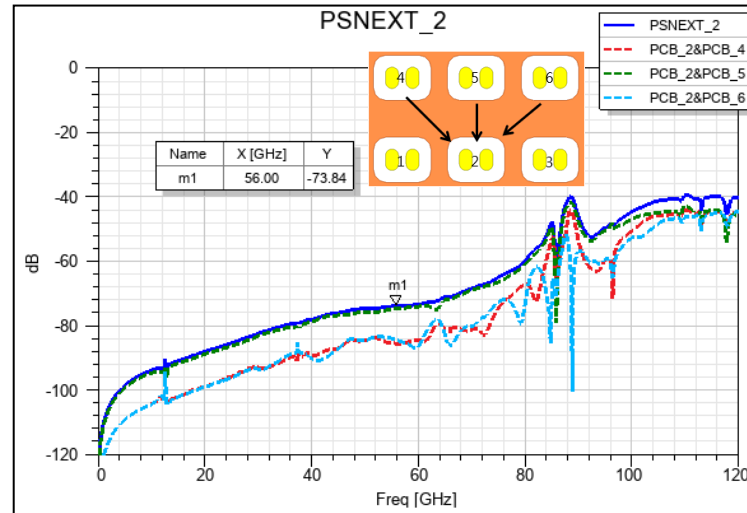
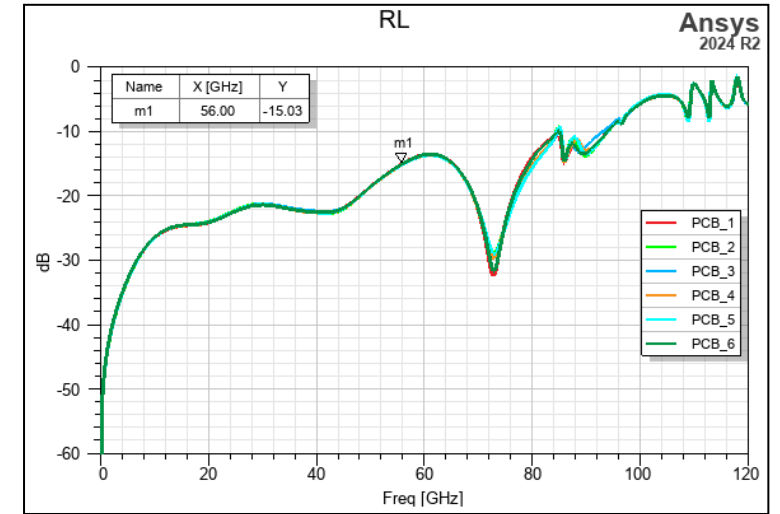
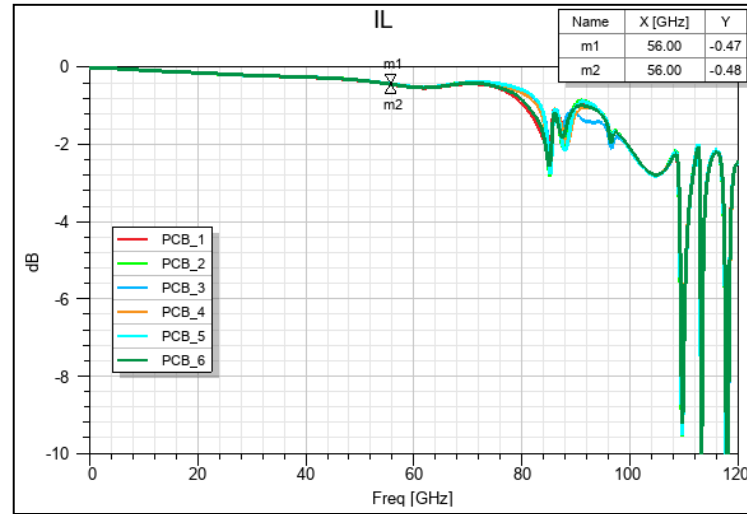
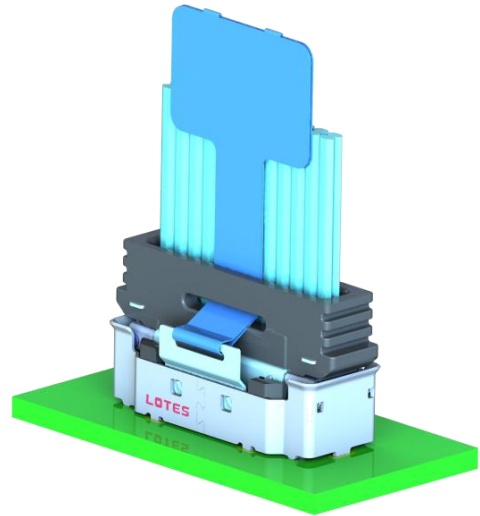
Compression Mount PrezLink Ultra – Vertical

Example 2x12 Formfactor



Compression Mount PrezLink Ultra – Vertical Mated Connector

Example 2x12 Formfactor





Thank You

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