QSFP+ PASSIVE COPPER CABLE ASSEMBLIES

OVERVIEW

ConnPro High Speed QSFP+ Direct Attach CopperCable Assemblies are designed for data centers, networking and HPC (High Performance Computing) applications. Conforming to SFF-8436, ConnPro High Speed provides high quality and cost effective solution to the high-density network switching cross-connections of your data centers.

FEATURES

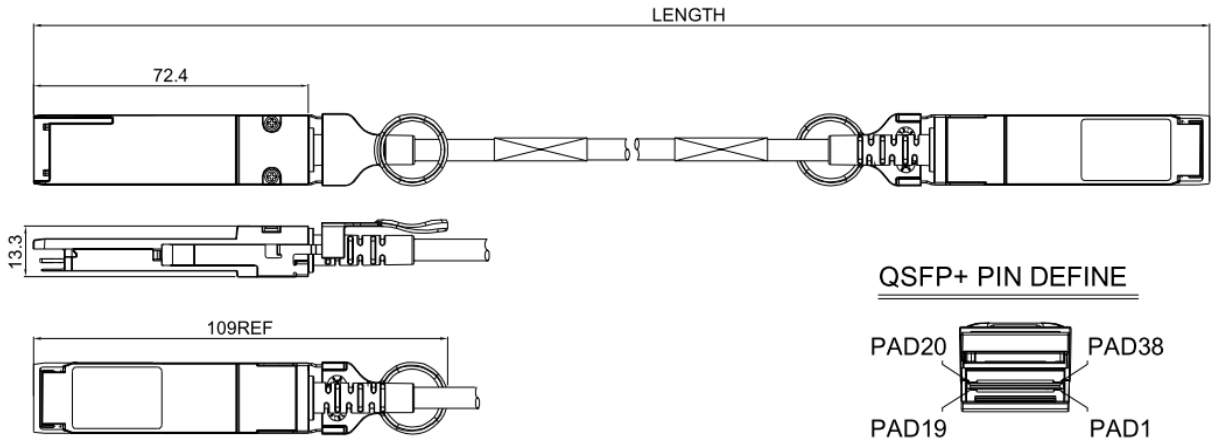
- SFF-8436 QSFP+ interface compliant product.
- IEEE 802.3 40G Base – CR4 Gigabit-Ethernet standard
- InfiniBand Architecture DDR & QDR
- Fully Compliant to INF 8074i MSA EEPROM for signature and system communications
- Broadband Twin coaxial pairs support serial data rate up to 10Gbps
- Low power consumption, Low transmission latency, Low cross-talk & Low skew
- Pull to release latch enable a easy cable installation and hot plug
- S/R design ensures a reliable performance when cable is bended
- RoHScompliant, 100% factory independently tested, anti-static package
- Highly cost-effective alternative to optical interface in short reach

APPLICATIONS

- Network data transmission: Severs, Switches, Routers &Hubs
- Network or External storage systems for data center
- Network interface cards (NIC's) & Telecommunication equipments
- 10 Gigabit Ethernet and Gigabit Ethernet
- Fiber Channel over Ethernet
- InfiniBand Standards SDR, DDR, QDR

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CABLE ASSEMBLY SPECIFICATIONS



* Unit: mm

DESCRIPTIONS

Cable	8 Pairs twin coaxial cable,100ohm , PVC Black , UL Approved
Shell	Zinc Diecast with Ni Plated
PCB	FR4, 30uinch Au platedcontact pads
EEPROM	2-wire serial I2C interface
Operating Temperature	0℃ ~ 70℃
Operating Voltage	3.3 V
Retention Force	90N Max
Durability	50 cycle Min
Available Length	1, 2, 3, 4, 5, Meter

PART NUMBERS

RE2F4TF4T1001	QSFP+ Passive cable assembly ,L = 1000 ±30 mm
RE2F4TF4T2001	QSFP+ Passive cable assembly ,L = 2000 ±40 mm
RE2F4TF4T3001	QSFP+ Passive cable assembly ,L = 3000 ±50 mm
RE2F4TF4T4001	QSFP+ Passive cable assembly ,L = 4000 ±60 mm
RE2F4TF4T5001	QSFP+ Passive cable assembly ,L = 5000 ±70 mm

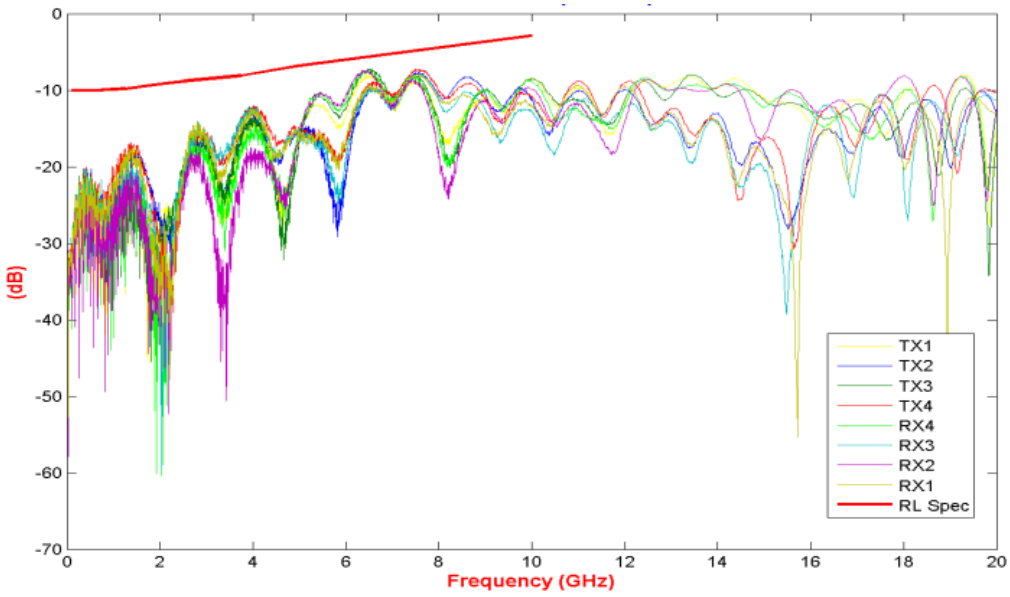
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ELECTRICAL SPECIFICATIONS

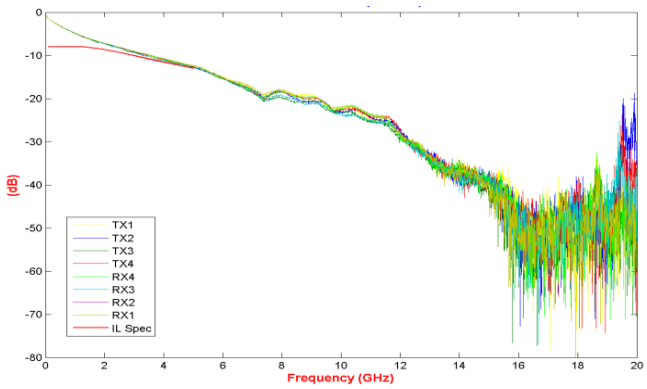
- Differential Impedance: 100 ohm

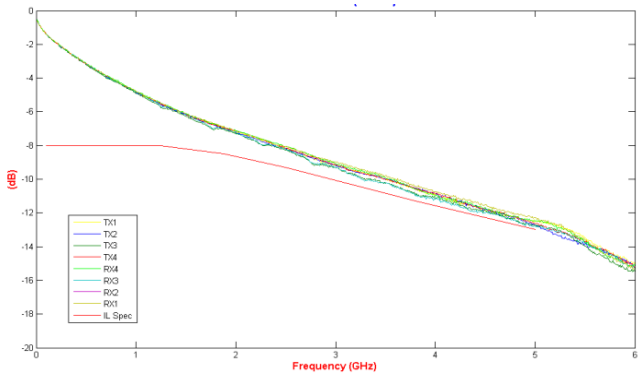
InfiniBand QDR Application

- Differential Mode Return Loss (SDD11) - 5 Meter – 26AWG

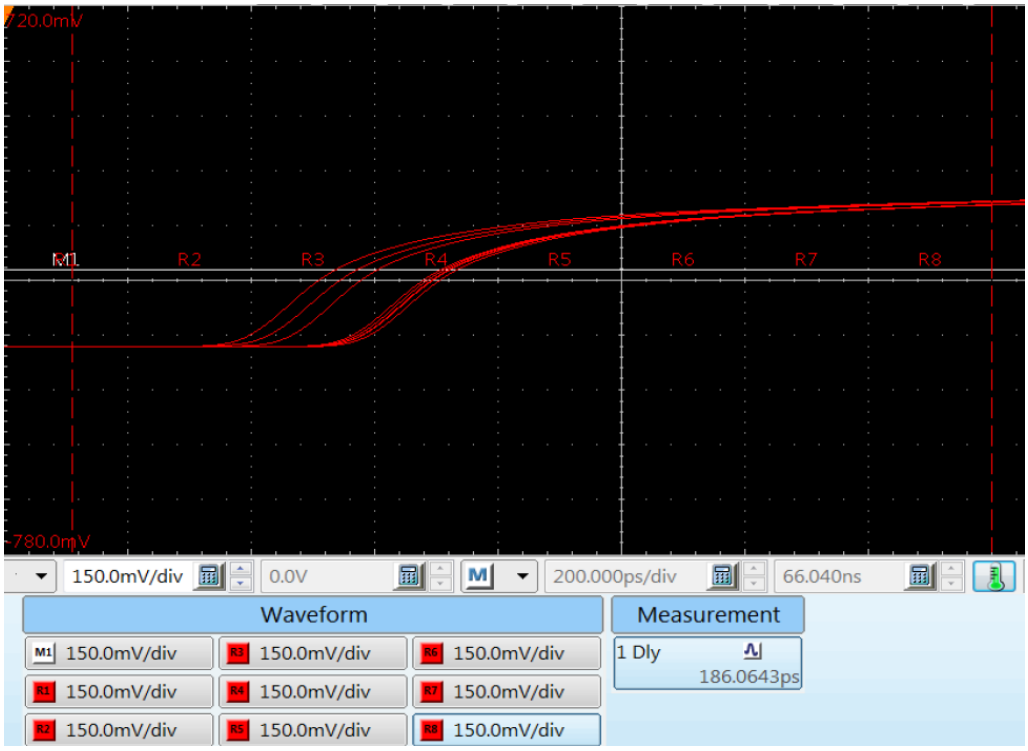


- Differential Mode Insertion Loss (SDD21) - 5 Meter – 26AWG



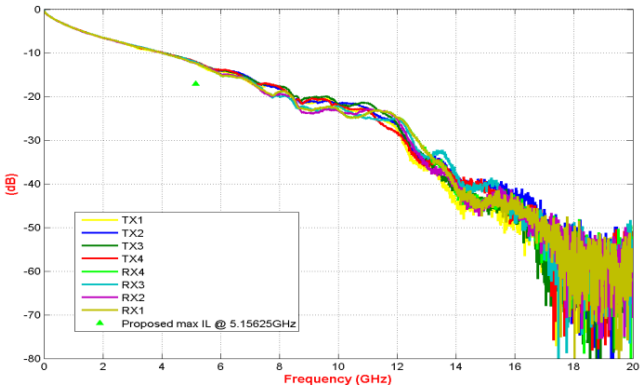


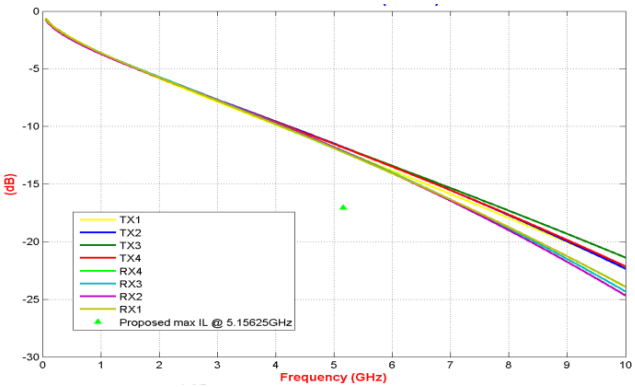
- Inter Pair Skew - 5 Meter – 26AWG



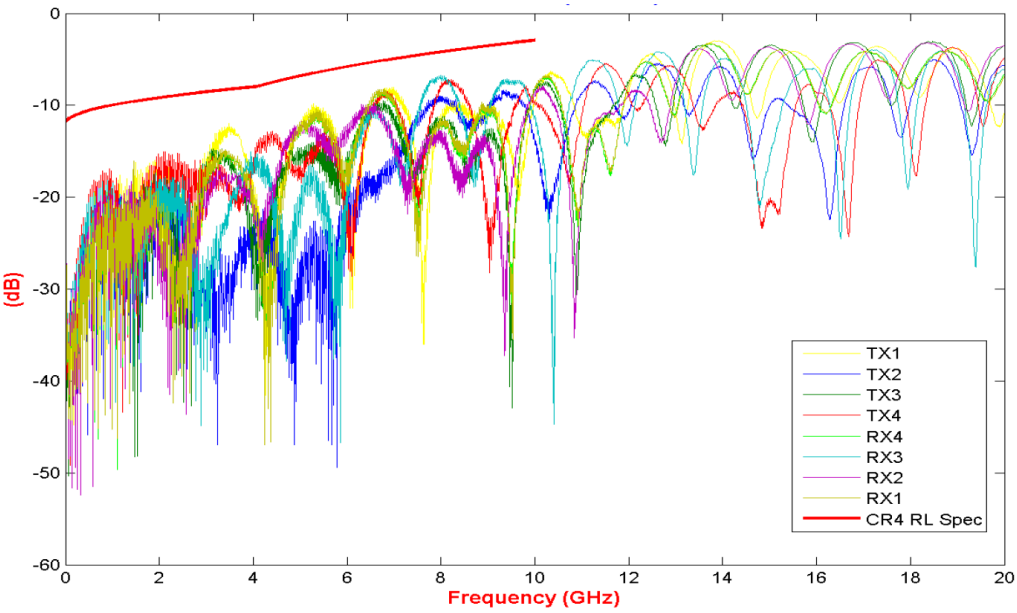
IEEE 802.3 40G Base – CR4 Application

- Differential Mode Insertion Loss (SDD21) - 3 Meter – 28AWG

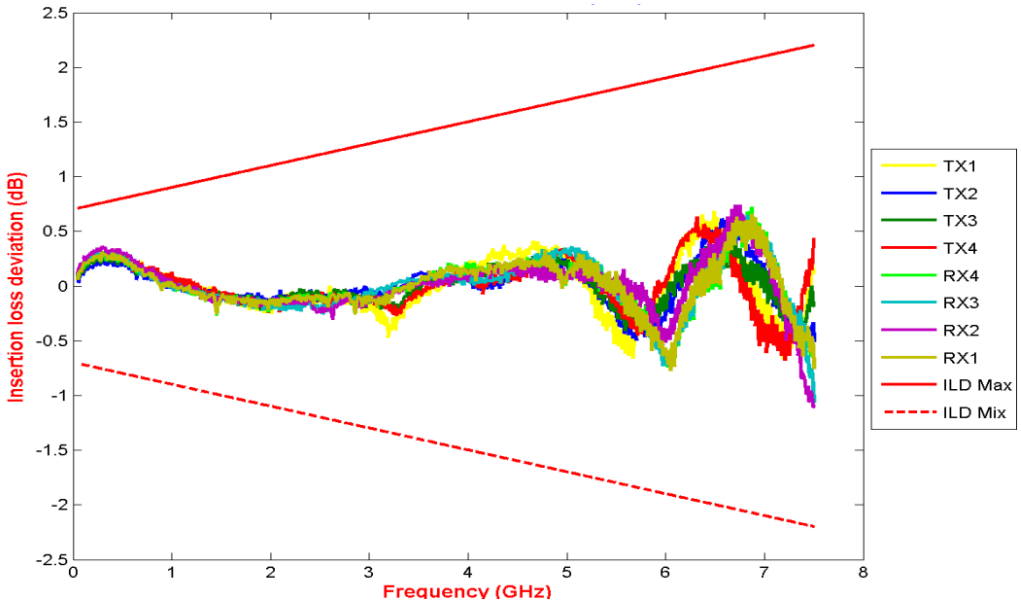




- Differential Mode Return Loss (SDD11) - 3 Meter – 28AWG



- Differential Mode Insertion Loss Deviation (ILD) - 3 Meter – 28AWG



- Differential Mode Integrated Crosstalk Noise (ICN) - 3 Meter – 28AWG

