High Speed Over Copper Data Transfer

SFP, XFP, and X2

- High Speed Over Copper Expertise
- 1.25 GB/s and 10 GB/s
- Transceivers
- EMI Cages
- Connectors
- Loopbacks
- Patchcords
- SFP, XFP, X2
- Infiniband and SFP Cable Assemblies
SFP Small Form Factor Pluggable

**Active and Passive Patch Cord Assembly**

The SFP Patch Cord Assembly is designed for use on high performance duplex data links and over copper (both 100Ω and 150Ω) with data rates up to 2.5 Gbps. It provides a cost-effective alternative to optical interface (transceiver and cable) over short cable runs.

**SFP to HSSDC-2 Converter**

- **Housing**
  - Material: Zinc Die Cast
  - Plating: Nickel
- **Grounding Tabs**
  - Material: Copper Alloy
  - Plating: Bright Tin
- **HSSDC-2 Insulator**
  - Material: PBT Rated 94V-0
- **HSSDC-2 Contacts**
  - Material: Copper Alloy
  - Plating: Selective Gold in Mating Area
- **PCB**
  - Material: .039” Thick FR4
  - Plating: Selective Gold in Mating Area

**SFP Copper Loopback**

- **Housing**
  - Material: Zinc Die Cast
  - Plating: Nickel
- **Grounding Tabs**
  - Material: Copper Alloy
  - Plating: Bright Tin
- **PCB**
  - Material: .039” Thick FR4
  - Plating: Selective Gold in Mating Area

**Copper Interconnects for High Speed Serial Applications Up to 10Gbps**

- Lower Cost Solution, Compared to Fiber
- Attaches Copper Interconnects to Host Equipment, Networks, Switches, Routers, and Storage Devices
- Doubles Systems Port Density
- Provides Easy Access for Maintenance
- Hot Pluggable
- Interchangeable

**EMI Cage**

- Compliant with Small Form-Factor Pluggable (SFP) Transceiver Multisource Agreement (MSA)
- Robust 1-Piece Construction
- Press-Fit Pins
- Accommodates Copper and SFP Transceivers for: Fibre Channel, Gigabit Ethernet, and Infiniband
- Allows for Mounting in Belly-to-Belly Applications
- SMT Connector Available

**Gigabit Ethernet RJ45 Transceiver (DM7041)**