

Description

The 96-Position Cable Connector is a Front Plug Up or Rear Plug Up for X-DSL I/O application.

This cable connector is mated with two pieces of 48-Position right angle header on the daughter card side and is a standard 2mm offering in the I/O application which meets EMC Class B requirement.

Features & Benefits

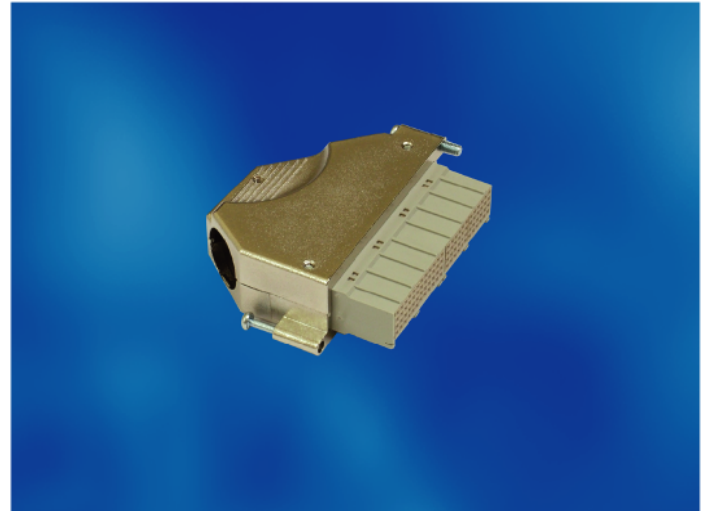
- New I/O high density platform for 2mm product signal transmission in Telecom and Data Communication markets
- This connector consists of a 8-terminal block (each terminal block supports 12 positions), a shroud, and two pieces of die-casting covers

Target Markets

- Telecom
- Datacom

Target Applications

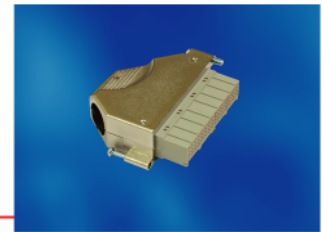
- Synchronous Digital Hierarchy (SDH) transmission systems; the international equivalent of SONET
- Synchronous Optical Network (SONET) transmission systems
- Wide Area Networks (WANs)
- Digital Subscriber Lines (DSLs)
- DSL access concentrators
- High-Data-Rate DSLs (HDSLs)



Technical Data

Materials

- Housing
 - 30% Glass Fiber Filled PBT, Brown
 - Flammability: UL94V-0
- Terminal
 - Phosphor Bronze CuSn8
- Shroud
 - 30% Glass Fiber Filled PBT, UL94V-0, Light Grey
- Cover
 - Zinc Alloy
 - Die-Casting
- Screw
 - Stainless Steel



Mechanical Performance

- Contact Withdrawal Force
 - 0.15N minimum per pin
- Number of Operations (mating and unmating)
 - 200 minimum
- Insertion Force
 - 0.5N maximum per pin
- Product Safety
 - In accordance with IEC 950 and UL 1950

Electrical Performance

- Contact Resistance
 - Row A: 25 $\mu\Omega$ maximum
 - Row B: 35 $\mu\Omega$ maximum
 - Row C: 40 $\mu\Omega$ maximum
 - Row D: 45 $\mu\Omega$ maximum
- Voltage Proof
 - 1000V r.m.s sinus minimum
- Insulation Resistance
 - Initial 5000M Ω minimum
 - 1000M Ω minimum after damp heat steady state test
- Current Carrying Capacity
 - 0.3A at ambient temperature of 70°C

Specifications

- FCI Product Specification GS-12-277

Packaging

- FCI Packaging Specification GS-14-898

Ordering Information

- Part Number
 - 10024234-002