



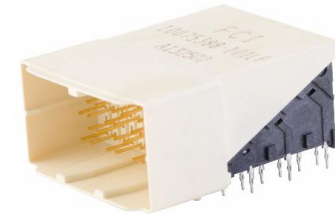
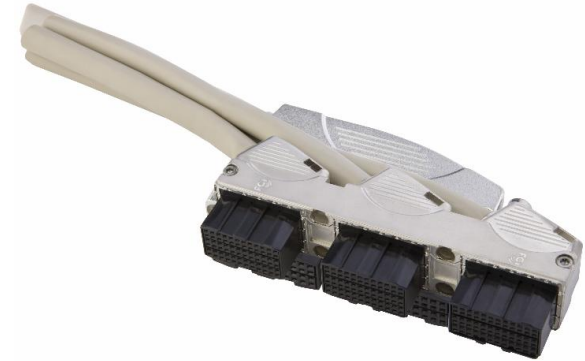
Metral® HDXS

Product Presentation

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Metral® HDXS Product Overview

- Metral® HDXS is a Cable to Board Connector designed for high end Telecom Applications including Telecom Access Equipments (ADSL/VDSL), Base Stations
- Provides inter-connection for differential pairs with very low cross-talk
- Cable connector is mounted on the front conductive panel of the board using conductive screws
- Product specification based on Standard Metral® Connectors
- Qualified for lightning application



HDXS Evolution

- VDSL is an access technology that exploits the existing infrastructure of copper wires that were originally deployed for POTS and designed to support deployment of “triple play” services of voice, internet and video
- HDXS connector is designed to address all the requirement of VDSL including high contact density with 2mm pitch, low cross talk, improved SI Performance, minimizing complexity of backplane.

Product Range

Rows	Board Header		Cable Connector	
	Part Number	Number of Pairs	Part Number	Number of Pairs
6	10075388-101LF	24 pair	10078794-101LF	24 pair
			10090081-101LF	48 pair
			10076192-101LF	72 pair

Header

- IMLA based design
- Mini Press Fit Pins for Header connector
- Flat Rock Housing Design for Headers
- Enhanced Header Connector Footprint
- Staggered Pinning with 2mm pitch

Cable Connector

- Die cast shells for cable connector
- Polarized design
- Integrated screw with cable connector
- Dual IDC termination, Dual Lip Contact and individual wire retention

HDXS Benefits

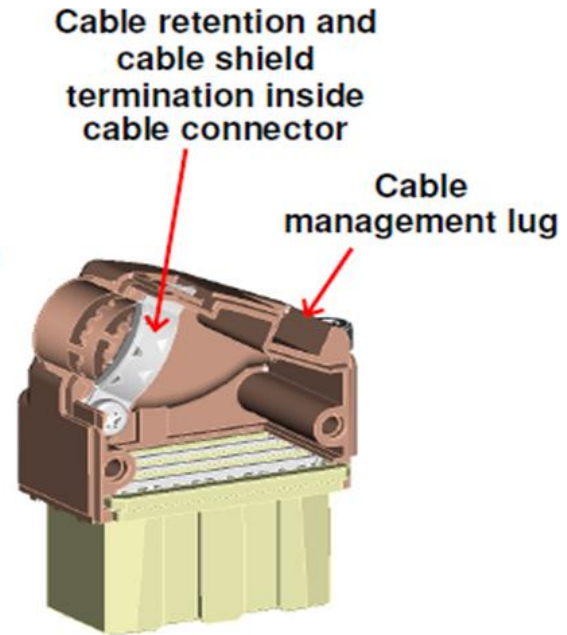
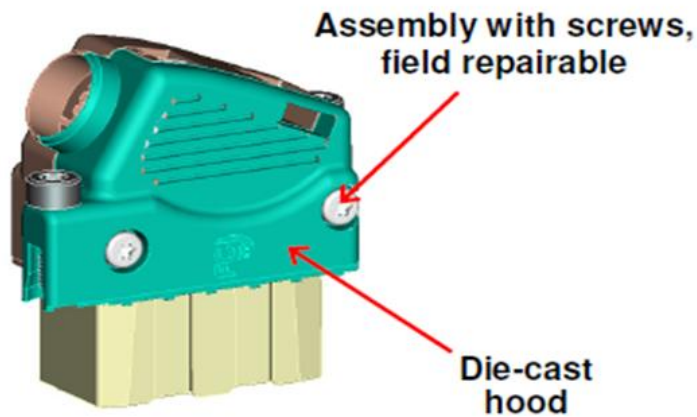
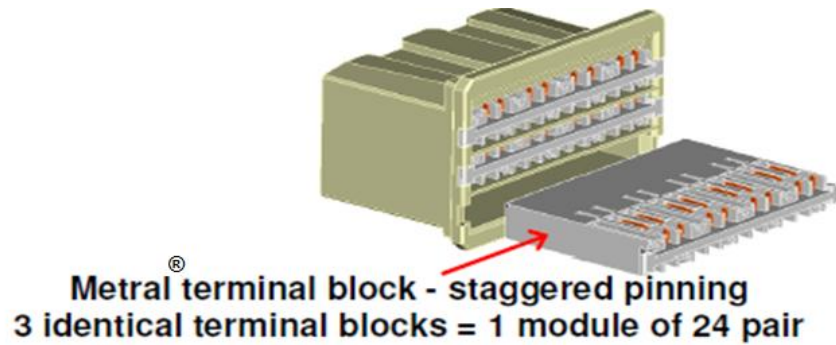
Header

- Connector Size Flexibility
- Guarantees true position of contacts
- Improved Board Routing
- Simplified Press-Fitting Process
- Allows Horizontal and vertical routing and minimizes layer count
- Clearance and Creepage distances complies to ANSI requirements of resistibility to over-voltages of up to 2500V
- Reduced crosstalk

Cable Connector

- EMC shielding
- Prevents wrong mating
- Prevents accidental un mating and fastens cable connector to the panel
- High reliability

24 Pair Cable Connector



Applications

- Board to Cable output – Telecom Line Cards





THANK YOU

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