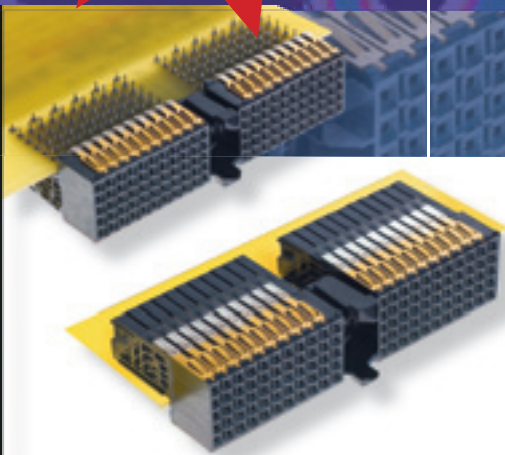


NEW

Open Your Eyes

B Type: 55, 95, 110 & 125
Signal Contacts

3M™ MetPak™ Ultra Hard Metric (UHM) Backplane Connector



A Type: 110 Signal Contacts

3M presents:

UHM Connector – Compatible and High Speed
(Jim Vana)
March 4 th, 2009
10:20 am
Session 2.4 CompactPCI Plus

The UHM Right Angle Socket Connector features coaxial type shielding for each signal line and is designed to provide a low crosstalk and a matched impedance environment, resulting in as much as 5Gbps performance.

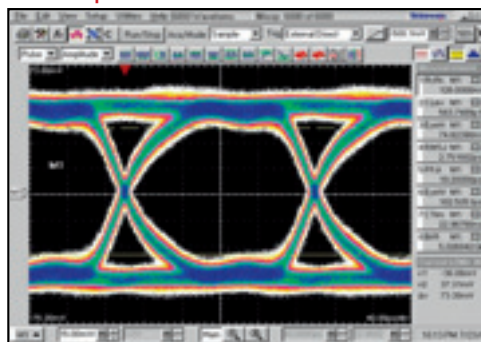
UHM Right Angle Socket Connector has been designed to be compatible with the IEC 2 mm Hard Metric Standard (61076-4-101). It mates into any 2 mm Hard Metric Vertical Male Pin Header, requiring no modifications to the typically expensive backplane, even when the backplane has not been designed with 3M's connectors.

3Ms UHM Connectors are footprint compatible to Hart Metric Connectors. Modifications of PCBs are not necessary.

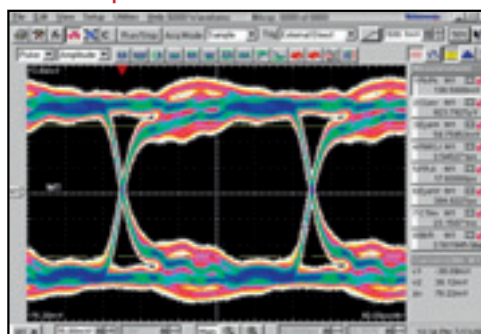
Features

- Low crosstalk at high frequencies
- Modular/scalable format IEC 61076-4-101
- 63 mated lines per linear inch
- Dual beam contact construction for high reliability
- ...
- ...

UHM 5 Gbps* EYE = 54 % with FEXT



CPCI 2.5 Gbps EYE = 53 % with FEXT



* Key Factor for improving UHM data rate is over 45 % reduction of crosstalk at typical rise times. This level of crosstalk reduction is also seen in the case of multiple aggressors.

Your technical contact: Roland Nuiten, 3M Deutschland GmbH, Electro & Telecom Laboratory Neuss
Tel: 02131 / 14-2846, E-Mail: rnuiten@mmm.com

