



Eye-Opener®

GbX® ASSEMBLIES

Technical Summary

GORE™ EYE-OPENER® GbX® Cable Assemblies allow high data rate signals to be transmitted over greater distances with exceptional fidelity and reliability. As an extension to GORE's well established 2mm product family, this cable assembly has been optimized to transmit signals up to ten Gigabits per second. GORE™ EYE-OPENER® GbX® Cable Assembly product was developed in conjunction with Teradyne Connection Systems and is plug compatible with all licensed suppliers of GbX connectors.

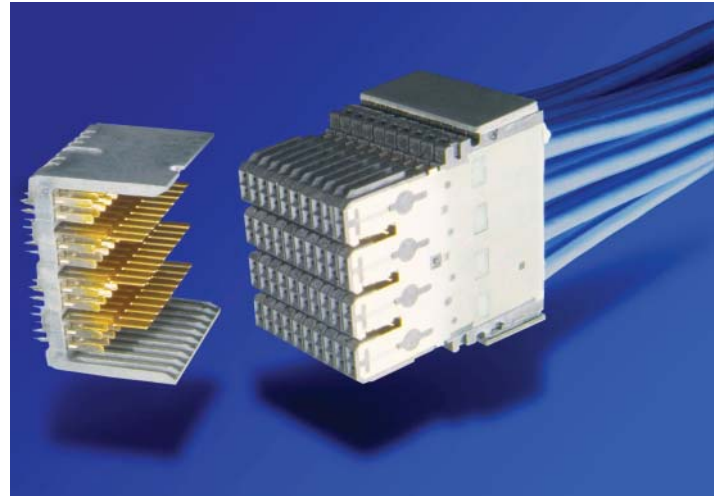
The GbX connector technology provides high performance in both vertical and horizontal routing patterns making it an ideal solution for star or mesh backplane topography. Impedance control and cross-talk protection is achieved by careful control of shielding geometry and material selection. The result is a high density cable assembly that delivers excellent signal integrity.

GORE™ EYE-OPENER® GbX® Cable Assemblies will come in a variety of configurations to support the different versions of GbX backplane connectors, as they become available. These assemblies can be further customized for pin out, cable type, and latching features to suit the application.

CABLE CONNECTOR SPECIFICATION

| Differential Performance | |
|-------------------------------|-----------|
| Impedance | 100Ω ±5Ω* |
| Near End Multi line crosstalk | <2.5%* |
| Far End Multi line crosstalk | <3%* |
| Data Rate | 3-10 Gb/s |

*rise time of 55ps (20-80%)



Features and Benefits

- Plug compatible with Teradyne GbX connector system
- Controlled Impedance through the interface to provide minimal reflections
- Low-loss, low cross-talk and low skew to provide the widest eye openings
- Available in high density optimized differential configurations
- Can use GORE™ EYE-OPENER® + Self Equalizing Cable Technology to achieve longer use lengths
- Signal density of up to 55 signals per linear inch (four pair version) of connector

GORE CABLE

GORE cable assemblies incorporate automated manufacturing, innovative designs and unique materials to provide the most consistently high performing interconnects. By manufacturing our own bulk cable, GORE can tailor solutions for maximum bandwidth or longest use length. GORE™ EYE-OPENER® GbX® Cable Assemblies utilize cable manufactured with expanded PTFE dielectric to achieve the lowest loss or smallest sized constructions. For the most demanding applications, assemblies can be provided with GORE™ EYE-OPENER® + Self-Equalizing Cable to extend the reach length by up to 70% compared to standard cables.

W. L. Gore & Associates, Inc.

North America
1 (800) 445-GORE (4673)

Europe
+49 9144 6010
+44 1382 561511

International
1 (302) 292-5100

China: Beijing
+86 10 6510 2980

China: Shanghai
+86 21 6247 1999

China: Shenzhen
+86 755 8359 8262

gore.com

More international phone numbers can be found at gore.com/phone

Japan
+81 33 570 8712

Korea
+82 2 393-3411

Taiwan
+886 2 8771 7799

Singapore
+65 6 733 2882



GORE and designs are trademarks of W. L. Gore & Associates, Inc. ©2006 W. L. Gore & Associates, Inc.