

Series: BSH/BTH

Description: Parallel Board-to-Board, 0.5mm Pitch, 16mm (0.630") Stack Height

## Frequency Domain Data Summary

| Table 1 - Single-Ended Connector System Performance |                  |                       |
|---|------------------|-----------------------|
| Test Parameter                                      | Configuration    |                       |
| Insertion Loss                                      | GSG              | <b>-3dB @ 4.52GHz</b> |
| Return Loss   | GSG              | < -5dB to 4.52 GHz    |
| Near-End Crosstalk                                  | GAQG             | < -5dB to 4.52 GHz    |
|   | GAGQG            | < -20dB to 4.52 GHz   |
|   | Xrow, GAG to GQG | < -40dB to 4.52 GHz   |
| Far-End Crosstalk                                   | GAQG             | < -25dB to 4.52 GHz   |
|   | GAGQG            | < -25dB to 4.52 GHz   |
|   | Xrow, GAG to GQG | < -45dB to 4.52 GHz   |

| Table 2 - Differential Connector System Bandwidth |                    |                        |
|---|--------------------|------------------------|
| Test Parameter                                    | Configuration      |                        |
| Insertion Loss                                    | GSSG               | <b>-3dB @ 4.90 GHz</b> |
| Return Loss                                       | GSSG               | < -5dB to 4.90 GHz     |
| Near-End Crosstalk                                | GAAQQG             | < -12dB to 4.90 GHz    |
|   | GAAGQQG            | < -22dB to 4.90 GHz    |
|   | Xrow, GAAG to GQQG | < -40dB to 4.90 GHz    |
| Far-End Crosstalk                                 | GAAQQG             | < -12dB to 4.90 GHz    |
|   | GAAGQQG            | < -28dB to 4.90 GHz    |
|   | Xrow, GAAG to GQQG | < -35dB to 4.90 GHz    |

**PCB/Connector Test System  
Single Ended & Differential Signal Response  
BSH-01 / BTH-04**

