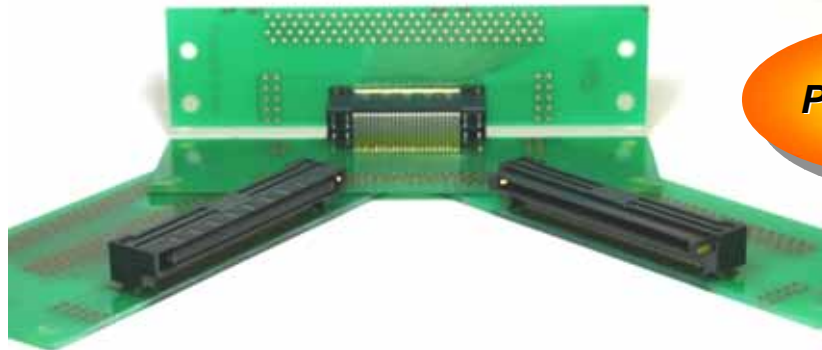




FX18 Series

High-Speed Transmission Board to Board Connector

ITS-P-09004H

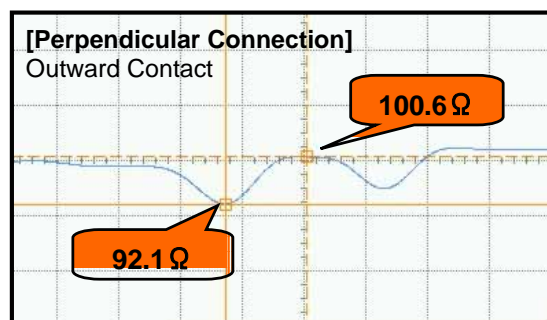
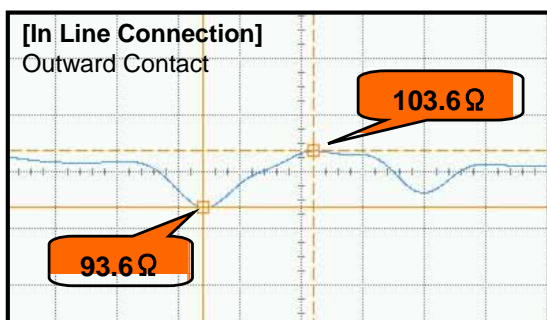


**Supports
PCI-Express
Ver. 2.0**

◆ Features

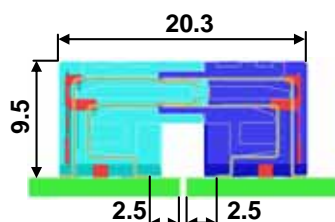
1. High-speed transmission capability up to 5 Gbps
2. In line and perpendicular mating styles are available.
3. MF contact (multi functional contact) as;
 - ground contact to enhance grounding
 - power supply contacts up to 12 A to reduce required pin counts
 - 3-step sequential contacts for grounding and detection
4. Effective mating length of signal contact: 2.0 mm
5. Pin through hole mounting MF contacts increase strength against wrenching
6. Large mating guide for easy mating
7. Smooth insertion
8. Compatible PCB layout of header and receptacle (Only between right angle types)
9. RoHS compliant

◆ Differential Impedance: $100\ \Omega \pm 10\%$ ($T_r = 100\text{ ps}$)



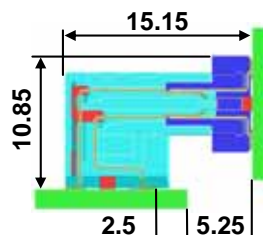
◆ Varieties

- In Line Connection
(Right Angle x Right Angle)



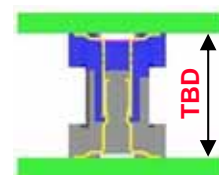
120, (60)

- Perpendicular Connection
(Straight x Right Angle)



(40), 60, (80), (120)

- Parallel Connection:
Under Study
(Straight x Straight)



Available Positions
(): Developed in 2009

NOTE: Feasible up to 140 pos. Consult Hirose for other variations.

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.

HIROSE ELECTRIC CO.,LTD.

Issued: June 18, 2009