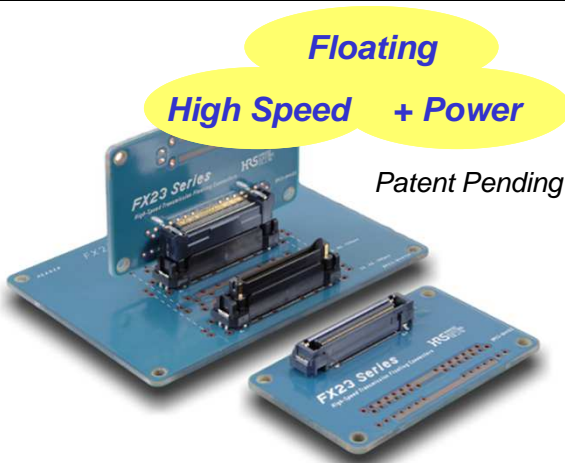




FX23 Series

0.5 mm Pitch, Power/Signal Hybrid Floating Board to Board Connectors for High Speed Transmission

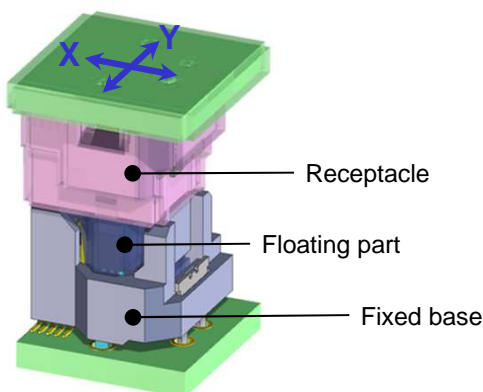


◆ Features

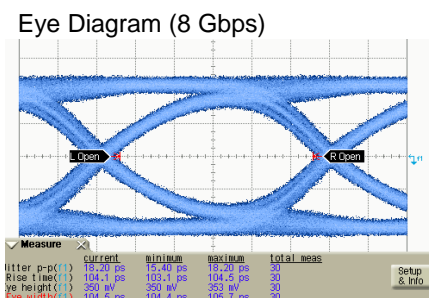
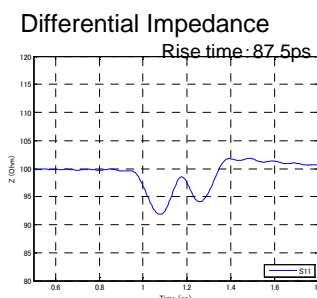
1. ± 0.6 mm max. floating in XY directions
2. High speed transmission up to 8 Gbps
3. 2 power contacts on each side of connector housing (3 Amps/pin)
4. Signal contact rated up to 0.5 Amps/pin
5. Vertical connection and parallel connection between 15 to 30 mm PCB distance are available
6. Accepts coating agent at SMT leads
7. Excellent mating alignment with large guide posts
8. RoHS compliant

◆ Floating Facilitates Multiple Mounting

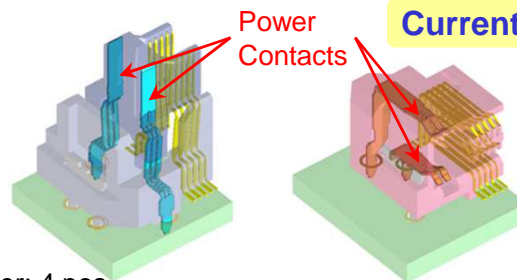
XY directions: ± 0.6 mm



◆ Characteristic Impedance: 100 Ω ± 10 % [Stacking Height 15mm Type] (100 ps, 10/90 %)



◆ Power/Signal Hybrid for Space-Saving



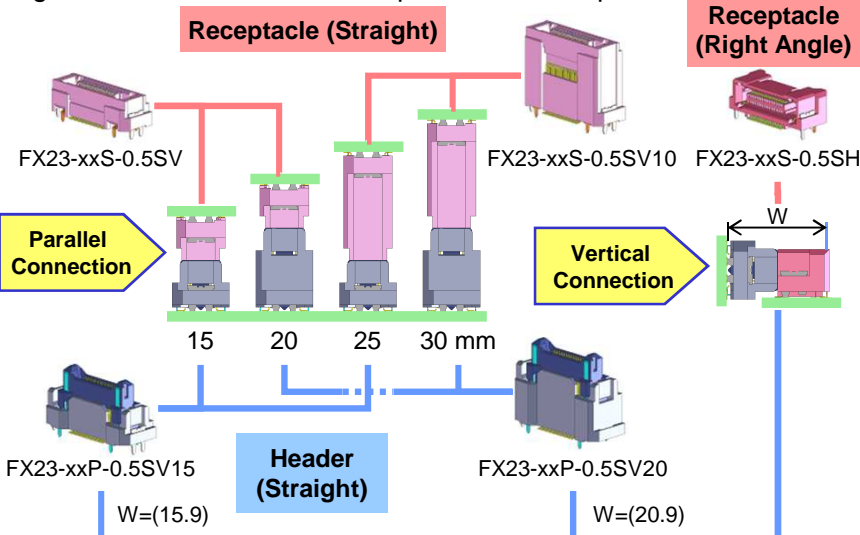
If 12 Amps are carried by signal contacts,

12A/0.5A= 24 pos.
(Rated current of signal contact)

24 signal contacts are required for current-carrying.

◆ Varieties

Number of Pos.
Signal: 20, 40, 60, 80, 100, 120 pos. + Power: 4 pos.



◆ Specifications

Operating Temperature Range	-55 °C to +85 °C (include temperature rise caused by current flow)
Rated Current	Signal Contact: 0.5 Amps Power Contact: 3 Amps
Rated Voltage	AC 50 V
Insulation Resistance	100 MΩ Min. (DC 100 V)
Withstanding Voltage	AC 150V for 1 minute
Contact Resistance	Signal Contact: 70 mΩ max. Power Contact: 30 mΩ max.
Insertion / Withdrawal	100 times

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