



The 10103 series is a floating board to board connector (0.5mm pitch, 2rows, ST connection).

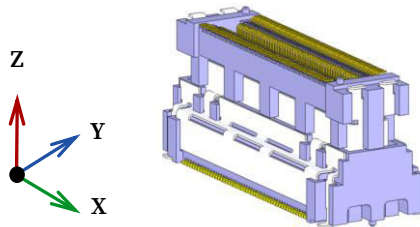
Supports 6.0Gbps high speed transmission (benchmark data transfer rates conducted by IRISO). With Metal Shell as electrical shield, the series will help you to have better EMC management.

## 【Target Application】

ADAS, Infotainment, Home equipment, Industrial equipment, Telecom equipment, Robot

## Floating

IRISO's Board-to-Board Floating connector technology allows connectors to have a greater tolerance on misalignments, especially those with multiple connections. Another benefit of our Floating connectors is that they absorb movement which reduces stress on the board from the solder tails over time. Additionally, the tri-directional floating technology helps in the connecting assembly process by allowing forgiveness in small misalignments of the mating guides.



## High Speed

The demand for high-frequency component signals is omnipresent. Ever advancing technology requires modern devices to have high-speed and reliable transmission from its connected components. IRISO has met this challenge by combining our floating connectors with high-speed transmissions technology.



## Electrical Shield

EMC management inside equipment's are getting be much more important than ever due to high speed data and/or variations increase of components/connections. For better EMC management, metal shell as static electrical shield would be work effectively both EMI and EMS reductions.



IMSA-10103S-XXXXY9XX / IMSA-10103B-XXXXY9XX

Product Spec

Item	Unit	Specification
Pitch	mm	0.5
Floating	mm	X:±0.5 Y:±0.5
Mating height	mm	10~20
Pin Counts	ckt	40~140
Connecting Type	-	Stacking
Operating Temperature Range	℃	-40~+105
Rated Current	A	0.5A/pin
Rated Voltage	V	50V
Contact Resistance	mΩ	100mΩ Max
Withstand Voltage	V	AC 250V
Durability (Insertion/Withdrawal)	times	30 Max

\* For packaging info, please refer to our packaging drawing.  
\* Contents are subject to change without prior notice, due to our quest for improving product performance. Dimensions and specifications described herein are limited to major items. For more details on how to use this connector, please request a drawing and specification sheet. \*Specifications may be subject to changes without prior notice, due to our quest for improving product performance.

\* 掲載している内容・仕様・数値は、概略のものであり、予告無しに変更されることがあります。  
\* ご使用の際は、最新の図面・仕様書をお取り寄せ頂き、正しくご使用下さい。ご不明な点などございましたら、弊社営業担当にご相談ください。  
\* 製品の梱包については図面をご確認ください

Plug

Parts	Material	Plating
Housing	LCP	-
Retainer	LCP	-
Contact	Copper alloy	Gold
Metal Flange	Copper alloy	Gold

Socket

Component	Material	Plating
Housing	LCP	-
Retainer	LCP	-
Contact	Copper alloy	Gold
Metal Flange	Copper alloy	Gold