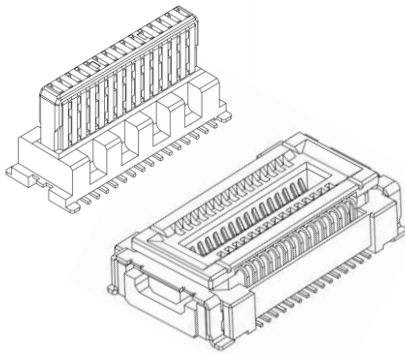


## PRODUCT INFO



10126/11007 Series is board to board connector (0.4mm pitch, 2 rows). It is one of the most space-saving floating connectors (high speed 8.0Gbps compliance) available and has a wide range of operating temperatures for the automotive market (-40 ... 125 °C).

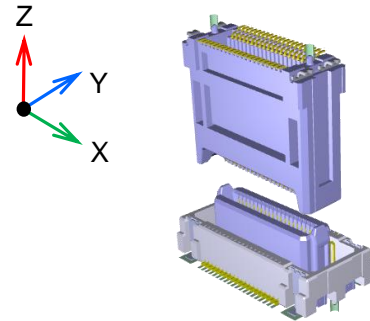
### 【Target Application】

ADAS System (sensing device) , Home Equipment, Industrial Equipment  
Telecom Equipment, Robot

## Feature 1 : Floating

### “Floating” Capability Enables Design Flexibility and Reliability

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.



## Feature 2 : High Speed

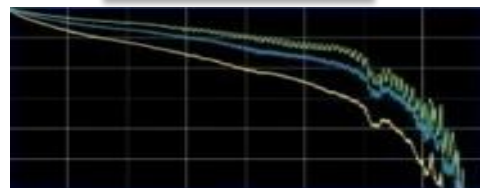
### Taking Reliability at High Speed Transmission to the Next Level

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.

Characteristic Impedance



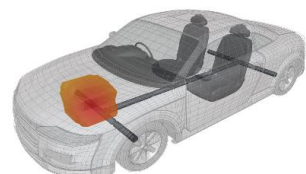
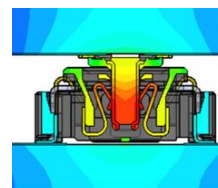
S-Parameters



## Feature 3 : High Temp

### Under high temperature environment

Application close to engine and high performance device requires high heat resistance connector due to temperature rise. This connector can be used under severe high temperature condition.



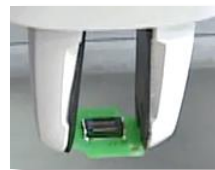
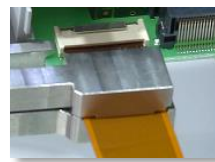
## Feature 4 : Robot Automation

IRISO Connectors for Factory Automation and Robotics Automated assembly not only cuts labor costs, but it increases quality. Certain automation, however, can have adverse effects like adhesion of foreign matter, mounting/mating misalignments, and incomplete mating.

To overcome these issues, IRISO has launched the "Robot Assembly Compatible Connector" concept to solve these automated assembly problems.

**IMSA-10126B-\*\*Y9\*\***

**IMSA-10126S-\*\*Y9\*\***



Product Spec		
Item	Unit	Specification
Pitch	mm	0.4
Floating	mm	X:±0.4 Y:±0.4
Mating height	mm	3~4
Pin Counts	ckt	20~60
Connecting Type	—	Stacking
Operating Temperature Range	℃	-40~ +125
Rated Current	A	0.4
Rated Voltage	V	50
Contact Resistance	mΩ	100
Withstand Voltage	V	100
Durability (Insertion/Withdrawal)	times	30

**Plug** \* For packaging info, please refer to our packaging drawing.

Parts	Material	Plating
Housing	LCP	—
Contact	Copper alloy	Gold
Metal Flange	Copper alloy	Tin

## Socket

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

\*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.

WP\_10126\_EN\_R1

