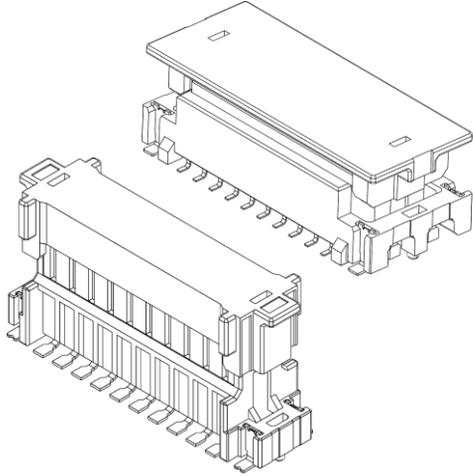


PRODUCT INFO



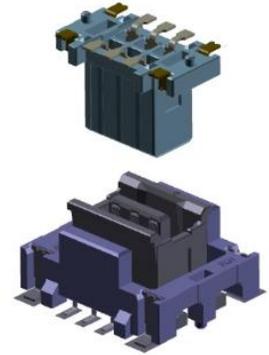
10120 Series is floating board to board connector (2mm pitch, 2 rows). In addition to IRISO's unique function "Z-Move™", the contact is designed with two point contact. It is expected and designed to be durable under severe vibrating condition.

【Target Application】
Powertrain, Industrial equipment, Communication equipment, Robot

Feature 1 : Z-Move Vibration

Product Quality and Support

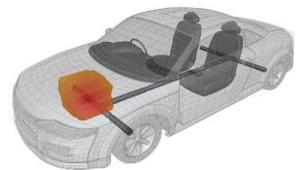
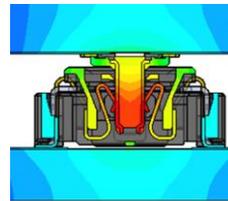
IRISO's proprietary "Z-Move" technology absorbs surface vibrations because the contact follows the Z-direction, allowing high contact reliability. It also increases contact reliability over time by reducing chafing. In addition, IRISO offers a vibration simulation test service, which has extensive customer experience. We strive to partner with our customers early in the design process to get feedback to make the production process more efficient.



Feature 2 : High Temp

Under high temperature environment

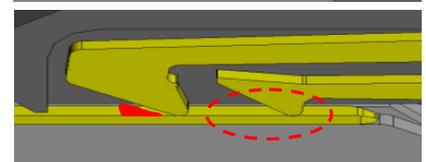
Application close to engine and high performance device requires high heat resistance connector due to temperature rise. This connector can be used under severe high temperature condition.



Feature 3 : 2 Point Contact

Reliability in Challenging Environments

IRISO's "Two-Point" contact provides a reliable connection even in dust and dirt contaminated environments, by reliably removing foreign material at the front contact. For devices that require high connection reliability, our connector can be used with confidence.



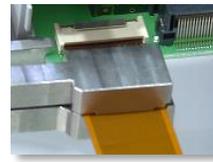
10120 Series - Board to Board Connector -

PRODUCT SPEC

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-10120S-Y*****

IMSA-10120B-Y*****

Product Spec		
Item	Unit	Specification
Pitch	mm	2.0
Floating	mm	X:±0.65 Y:±0.65
Mating height	mm	11~20
Pin Counts	ckt	6~30
Connecting Type	-	Stacking
Operating Temperature Range	°C	-40~+125
Rated Current	A	1
Rated Voltage	V	125
Contact Resistance	mΩ	50
Withstand Voltage	V	500
Durability (Insertion/Withdrawal)	times	30

* For packaging, see packing drawing.

Socket

Parts	Material	Plating
Housing	PA9T	-
Contact	Copper alloy	Gold
Metal Flange	Copper alloy	Sn

Plug

Parts	Material	Plating
Housing	PA9T	-
Retainer	PA9T	-
Contact	Copper alloy	Gold
Metal Flange	Copper alloy	Sn

*Specification is subject to change without prior notice for improving performance of the product and so on. Dimension and specification described herein are limited to major items. When applying the products, please confirm details on drawing and specification sheets which will be provided upon request

WP_10120_EN_R1

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