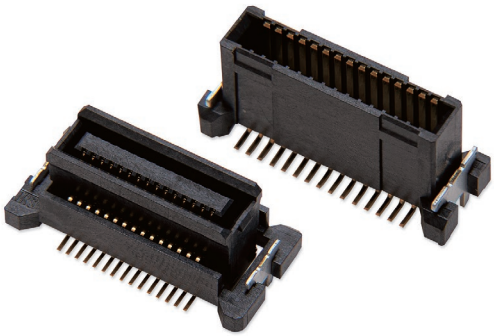
10102 Series - Board to Board Type Connector -

PRODUCT INFO

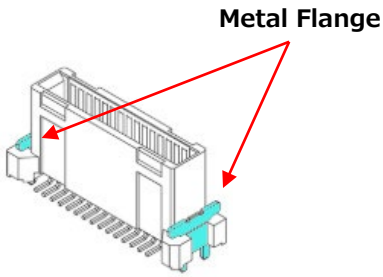


The 10102 Series is an 0.8 mm pitch floating board-to-board connector engineered for maximum mounting reliability. Beyond its ability to absorb board misalignment, this series features integrated dip flanges that anchor the connector directly into the PCB. This hybrid mounting approach significantly reinforces the mechanical fixation, shielding signal solder joints from the stresses of high-vibration and high-impact environments.

[Target applications]
ADAS, Infotainment, Consumer Products, Robots, Cameras, medical devices, measuring & inspection, flowmeters / pressure gauges, telecommunications.

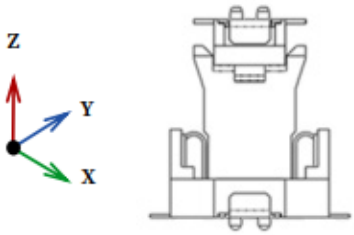
Feature 1 : Enhanced Mechanical Fixation (Dip Flange)

The 10102 Series utilizes an integrated Dip Flange design to provide superior mechanical retention. By anchoring the connector's metal flanges through the PCB, this architecture significantly reduces stress on the SMT signal leads and prevents connector peel-off in high-vibration or high-impact environments.



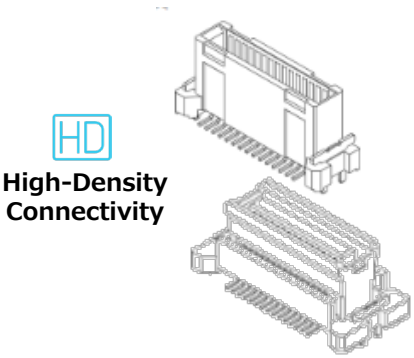
Feature 2 : High-Reliability Floating Structure

Engineered to simplify automated assembly, the 0.5mm X-Y axis floating mechanism compensates for mounting tolerances and misalignment. This flexibility ensures a reliable mating process and minimizes residual stress on solder joints, extending the long-term durability of the connection.



Feature 3 : Robust Architecture

0.8mm pitch dual-row configuration balances high-density connectivity with extreme mechanical robustness. With a rated current of 0.5A and a stable vertical mating interface, it is purpose-built for demanding subsystems that require a secure, long-lasting board-to-board link.



10102 Series - Board to Board Type Connector -

IMSA-10102S-**Y9** / IMSA-10102B-**Y9**

Product Spec			
Item	Unit	Specification	Note
Pitch	mm	0.8	-
Pin Counts	-	30	-
Mating Direction	-	ST	
Operating Temperature Range	℃	-40~+105°C	-
Rated Current	A	0.5	-
Voltage Rating (AC/DC)	V	50	-
X/Y-Axis Floating Range	mm	+/- 0.5	

*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_10102_R1

IRISO ELECTRONICS CO.,LTD.

2-13-8 Shinyokohama Kohoku-ku, Yokohama,
Kanagawa 222-0033 Japan
+81-45-478-3111 +81-45-478-3539
https://www.irisoele.com