

11508 Series - FPC/FFC Auto I-Lock Type Connector -



IRISO's 11508 Series is a 0.5mm pitch FFC/FPC connector which uses proprietary Auto I-Lock technology which provides a positive auto locking engagement feature.

Perfect for robotic automation manufacturing processes, it also features a cable tolerance of 0.3 ± 0.05 , and an operating temperature of $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$ making it a great choice for automotive applications.

【Target Application】

ADAS (sensing devices), infotainment (cockpits), home appliances, Commercial appliances, communications equipment, industrial equipment, robots

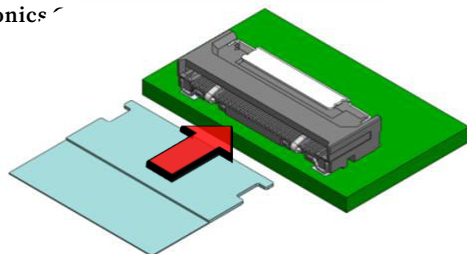
Auto I-Lock™

This series adopt IRISO original technology “Auto I-Lock™ *1”, it is able to eliminate the process of opening and closing of the slider or cover to lock FPC/FFC, and it is automatically locked when you insert the FPC/FFC card.

This function prevent slanted insert or incomplete mating, therefore improve the workability.

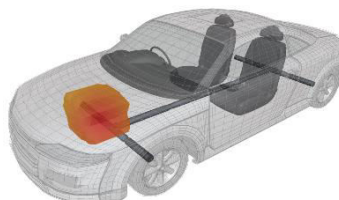
(Press upper surface of the lever to unlock.)

(*1) Auto I-Lock is a registered trademark of IRISO Electronics



Heat Resistance

The 11508 Series has an operating temperature range between -40°C to 125°C , giving it the ability to perform in environments with extremely low and high temperatures. Applications in these conditions, such as near engines, require a connector that can perform under extreme stress making the 11508 Series connector the perfect choice.



Robot Automation

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-11508S-~~XX~~Y9~~XX~~

Product Spec

Item	Unit	Specification
Pitch	mm	0.5
Lock	-	Auto I-Lock
Mating height	mm	-
Pin Counts	ckt	8~60
Mount Type	-	Right angle
Operating Temperature Range	℃	-40~+125
Rated Current	A	0.5
Rated Voltage	V	50
Contact Resistance	mΩ	80
Withstand Voltage	V	250
Durability (Insertion/Withdrawal)	times	20

* 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。
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* 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	-	-
Retainer	-	-
Contact	-	-
Metal Flange	-	-

Socket

Component	Material	Plating
Housing	LCP	-
Contact	Corson Alloy	Gold
Metal Flange	Phosphor Bronze	Tin
Half Lock Contact	Phosphor Bronze	Tin