



当社のフローティング技術の集大成として、業界最大クラスの可動量を実現し、車載カメラの自動組立に貢献します。更に、カメラの高画素化/高フレームレート化にも対応した高速伝送コネクタ製品群です。

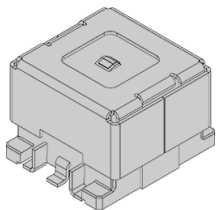
- ・実装/光軸調整/溶着時の押し込みによる位置ズレも吸収
- ・実装/組立精度の緩和と生産性向上
- ・次世代SerDesにも対応可能

同軸コンプレッションコネクタ

16126 Series

Z方向に1mmの有効嵌合長を有し、部品公差及び組立公差の吸収が可能な製品です。また、XY方向の位置ズレも $\pm 0.5\text{mm}$ 吸収することが出来ます。

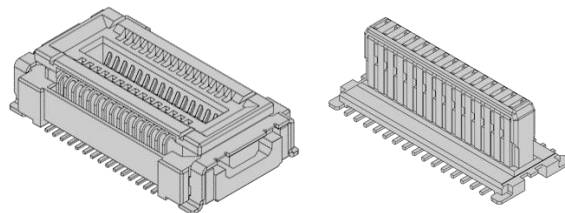
基板接地面積を $5.0\text{mm} \times 5.5\text{mm}$ に抑え、基板小型化に貢献いたします。独自のインピーダンス制御により、3GHzの高周波特性も実現いたしました。



フローティングコネクタ

10126 Series

0.4mmピッチのフローティング基板対基板コネクタです。XY方向に $\pm 0.4\text{mm}$ 可動し、Z方向にも0.7mmの有効嵌合長を有しています。ラインナップされている他のコネクタと併せてお使いいただくことで、業界最大クラスの可動量を実現し、高品質な組み立てへ貢献いたします。



高速伝送 6Gbps対応

自動運転の進歩に伴い、カメラに要求されるスペックも急速な高まりを見せています。

イリソ電子工業のカメラソリューションは、独自の接点構造により、業界最大クラスの位置ズレ吸収を有しながら、6Gbpsの高速伝送にも対応し、カメラの高機能化に貢献します。





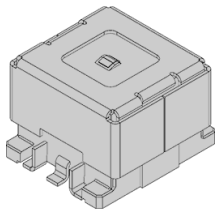
Absorb 6G CAM is the culmination of our floating technology. Achieves the market's largest class of floating and contribute vehicle cameras. Furthermore, it is a group of high-speed transmission connector products that support higher pixel counts and higher frame rates for cameras.

- Absorbs misalignment during mounting / optical axis adjustment / welding
- Relaxation of mounting / assembly accuracy and improvement of productivity
- Supports next-generation SerDes

Coaxial Compression Connector

16126 Series

This product has an effective mating length of 1 mm in the Z direction and can absorb parts tolerances and assembly tolerances. In addition, it can absorb ± 0.5 mm of positional deviation in the XY direction. The board grounding area is suppressed to 5.0 mm x 5.5 mm, contributing to board miniaturization. The unique impedance control also realizes high frequency characteristics of 3GHz.

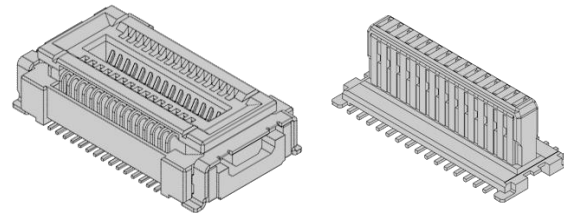


Floating Connector

10126 Series

It is a Board-to-Board connector with a 0.4 mm pitch. Movable ± 0.4 mm in the XY direction, and it also has an effective mating length of 0.7 mm in the Z direction.

By using it together with other connectors in the lineup, we will realize the industry's largest class of movable amount and contribute to high quality assembly.



Supports 6Gbps

With advances in autonomous driving technology, the performance required of cameras is rapidly increasing. Iriso's "Absorb 6G CAM" realizes the industry's largest misalignment absorption with its unique contact structure, supports high-speed transmission of 6 Gbps, and contributes to higher functionality of the camera.



IMSA-10126S-~~XXXXY9XX~~

IMSA-10126B-~~XXXXY9XX~~

Product Spec

Item	Unit	Specification
Pitch	mm	0.4
Floating	mm	XY:±0.4 Z:0.7(Effective mating length)
Mating height	mm	2.0~5.0
Pin Counts	Pos	20~60
Connecting Type	-	Stacking
Operating Temperature Range	℃	-40~+125
Rated Current	A	0.4
Rated Voltage	V	50
Contact Resistance	mΩ	Initial : 100 After test : 120
Withstand Voltage	V	AC100
Durability (Insertion/Withdrawal)	times	30

Plug

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

Socket

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

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

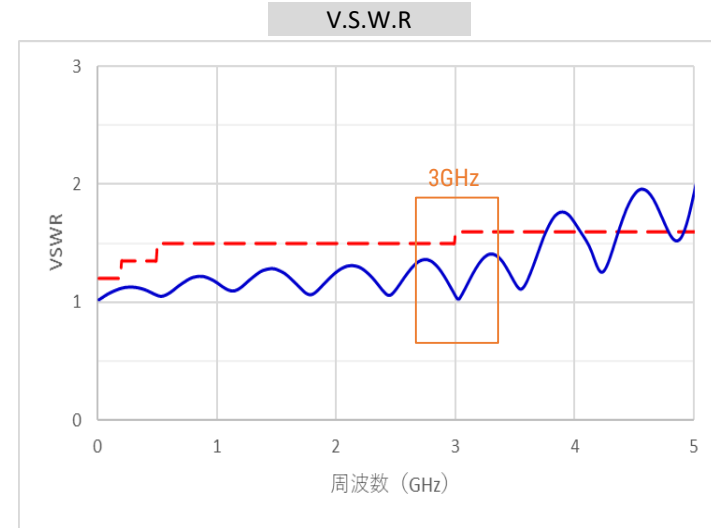
* Contents are subject to change without prior notice, due to our quest for improving product performance. Dimensions and specifications described herein are limited to major items. For more details on how to use this connector, please request a drawing and specification sheet. *Specifications may be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



IMSA-16126S-XXXY9XX

Product Spec

Item	Unit	Specification
Misalignment absorption	mm	XY:±0.5 Z:±0.5(Effective mating length)
Operating Temperature Range	℃	-40~+125
Rated Current	A	0.4
Rated Voltage	V	50
Contact Resistance	mΩ	Initial : 100 After test : 120
Withstand Voltage	V	AC100
Durability	times	10
VSWR		1.5 max. @3GHz 50Ω (See other band graph)



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

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