

IRISO ELECTRONICS

10126 SERIES

BOARD-TO-BOARD CONNECTORS

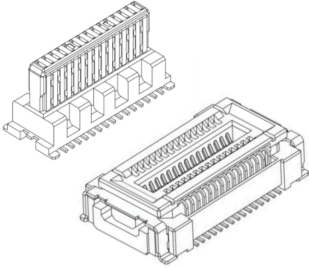


Applications:

ADAS, RADAR, LiDAR, Lighting, Home Equipment,
Industrial Equipment, Telecom, Robots



PRODUCT INFORMATION



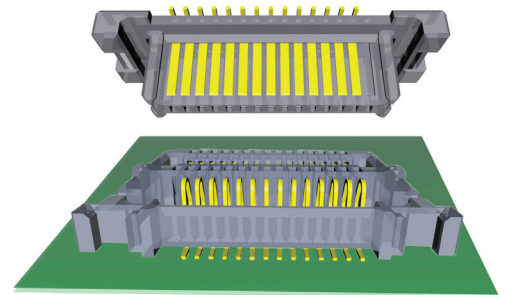
The 10126/11007 Series is a board-to-board connector with a 0.4mm pitch in two rows.

This series is one of our most space-saving floating connectors with high-speed compliance (8.0 Gbps) and the ability to operate within a wide range of temperatures (-40°C – 125°C) for the automotive market.



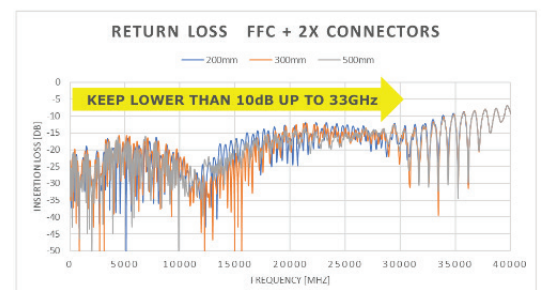
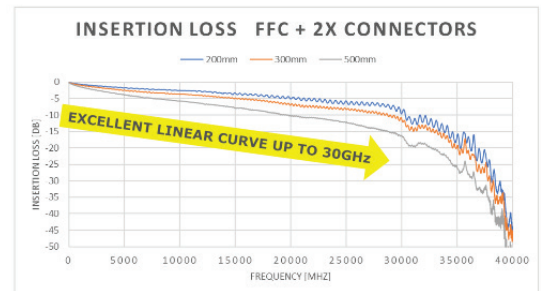
1: FLOATING CAPABILITY

This connector series' "floating" capability enables design flexibility and reliability. IRISO's board-to-board floating connector technology allows connectors to have a greater tolerance to misalignments, especially those with multiple connectors. Another benefit of our floating connectors is that they absorb movement, which reduces stress on the board's solder tail, keeping the solder joint from cracking. Additionally, the tri-directional floating technology helps in the assembly process by allowing forgiveness in small misalignments of the mating guides.



2: HIGH SPEED

The 10126 series takes reliability to the next level. The demand for high-frequency component signals is omnipresent. Ever-advancing technology requires modern solutions. IRISO has met this challenge by combining our floating connectors with high-speed transmission technology to ensure a reliable message from its connected components.



PRODUCT FEATURES

3: LARGE OPERATING TEMPERATURE RANGE

The 10126 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 10126 Series connector the perfect choice.



4: ROBOT AUTOMATION

IRISO connectors for factory automation and automated assembly with robotics will not only cut labor costs but also increases quality.

Specific automation processes have adverse effects such as adhesion of foreign matter, mounting/mating misalignments, or an incomplete mating. To combat these issues, IRISO has launched a connector made specifically for robot assembly.



COMMON APPLICATIONS

ADAS
SENSING

HOME
EQUIPMENT

LIGHTING

INDUSTRIAL
EQUIPMENT

TELECOM
EQUIPMENT

ROBOTS

PRODUCT SPECS

IMSA-10126S-**-Y***
IMSA-10126B-**-Y***

Item	Specification	Unit
Pitch	0.4	mm
Floating	X: ± 0.4 Y: ± 0.4	mm
Mating Height	3 ~ 4	mm
Pin Counts	20 ~ 60	circuit
Connecting Type	Stacking	-
Operating Temperature Range	-40 ~ +125	°C
Rated Current	0.4	A
Rated Voltage	50	V
Contact Resistance	100	mΩ
Withstand Voltage	100	V
Durability (Insertion/Withdrawl)	30	Times

*For packaging info, please refer to our packaging drawing

PLUG

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

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

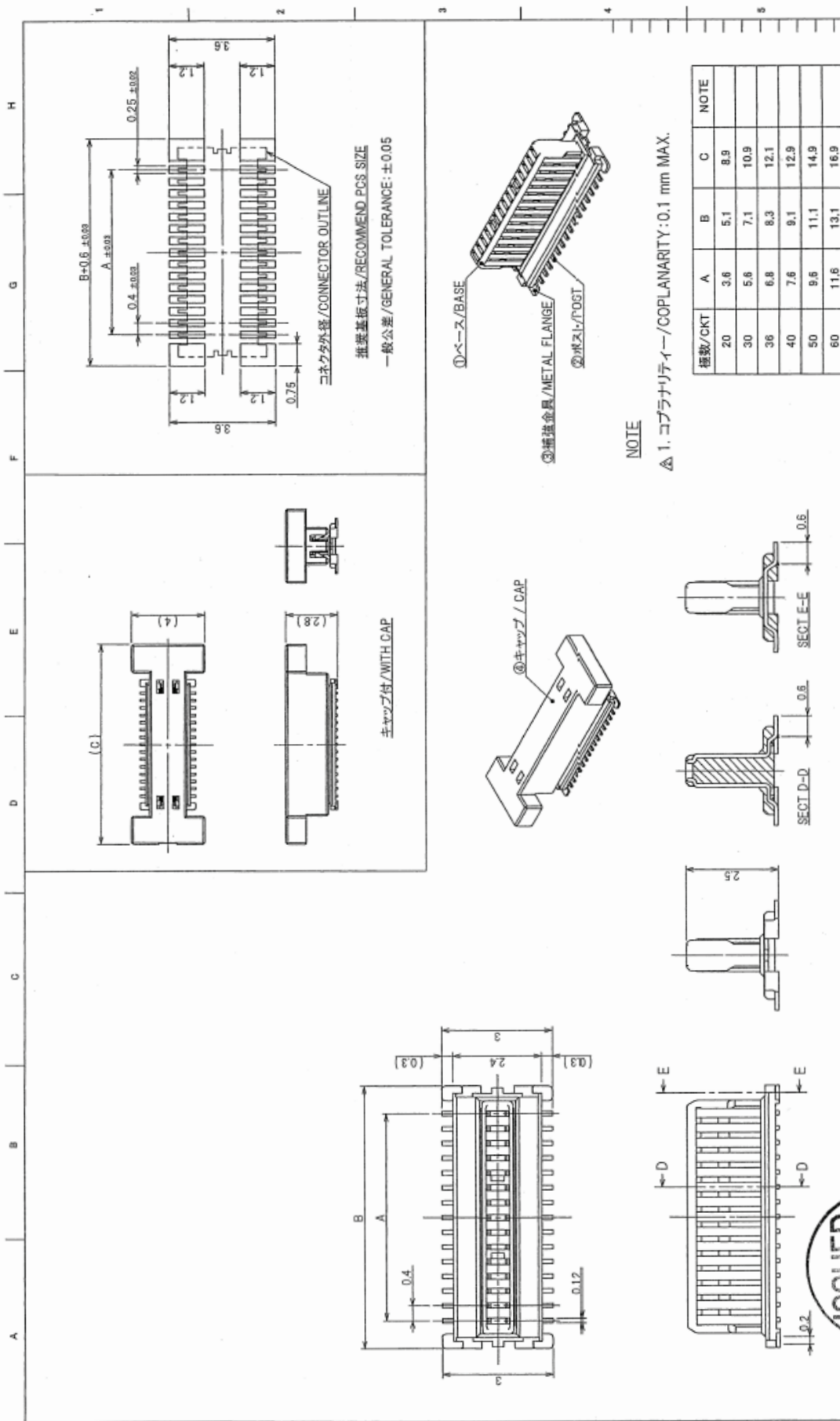
SOCKET PACKAGING DRAWING

[illegible]

PLUG PACKAGING DRAWING

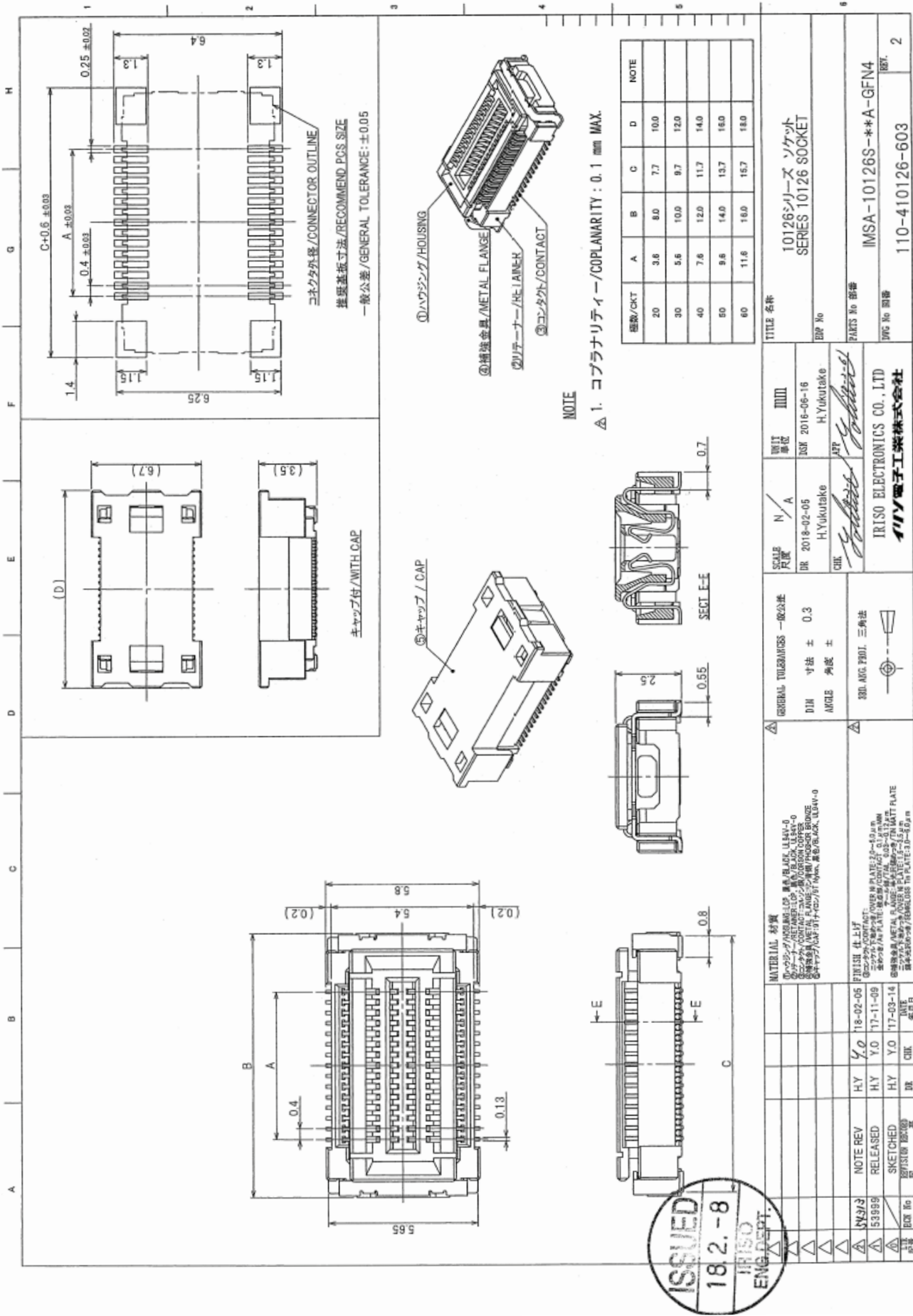
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PLUG DRAWING

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DO NOT SCALE DRAWING.
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO IRISSO AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION. 本図面は、イリソ電子工業（株）の所有する情報を含むもので当社の許可なく複製を禁止する。

SOCKET DRAWING



NOTE

△ 1. コブナリナリティー/COPLANARITY : 0.1 mm MAX.

種類/CKT	A	B	C	D	NOTE
20	3.6	8.0	7.7	10.0	
30	5.6	10.0	9.7	12.0	
40	7.6	12.0	11.7	14.0	
50	9.6	14.0	13.7	16.0	
60	11.6	16.0	15.7	18.0	

TITLE 名称		10126シリーズ ソケット SERIES 10126 SOCKET	
SCALE 尺		N/A	
DATE 2018-02-05		H.Yukutake	
CHK		H.Yukutake	
GENERAL TOLERANCES 一般公差		DIN 寸法 ± 0.3	
DIN 寸法 ± 0.3		ANGLE 角度 ±	
381 ANG. PCD. 三角法		381 ANG. PCD. 三角法	
MATERIAL 材質		ハウジング/HOUSING: 黒色/BLACK UL94V-0 リテーナー/RE-TAINER: 黒色/BLACK UL94V-0 コンタクト/CONTACT: 銅/BRASS 補強金具/METAL FLANGE: 黒色/BLACK UL94V-0 キャップ/CAP: 黒色/BLACK UL94V-0	
FINISH 仕上り		ハウジング/HOUSING: 黒色/BLACK UL94V-0 リテーナー/RE-TAINER: 黒色/BLACK UL94V-0 コンタクト/CONTACT: 銅/BRASS 補強金具/METAL FLANGE: 黒色/BLACK UL94V-0 キャップ/CAP: 黒色/BLACK UL94V-0	
NOTE REV		H.Y 18-02-05	
RELEASED		H.Y 17-11-09	
SKETCHED		H.Y 17-03-14	
EOR No.		CHK	
PARTS No 部番		IRISO ELECTRONICS CO., LTD	
DWG No 図番		IRISO 電子工業株式会社	
110-410126-603		IMSA-10126S-**A-GFN4	
2		REV.	

ABOUT

IRISO ELECTRONICS



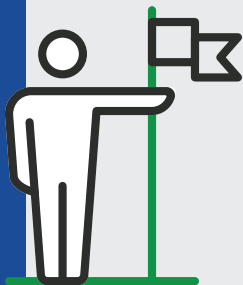
It started with a single pin...

IRISO has been contributing to the development of the electronics industry worldwide for over 50 years since its foundation as a comprehensive connector manufacturer in 1966. Our more than 3000 employees support customers worldwide on a wide range of innovative new products designed to meet the needs of our industry both today and tomorrow.



Connected with our customers...

Our customers are at the core of our business. Based on the concept of “market-in”, we develop and manufacture products that are closely linked to customer needs. We listen carefully to customer feedback, verify any issues that may exist in all processes from concept to the production line, and incorporate the feedback into the product design. We take a consultative approach to developing custom products in order to ensure a successful partnership.

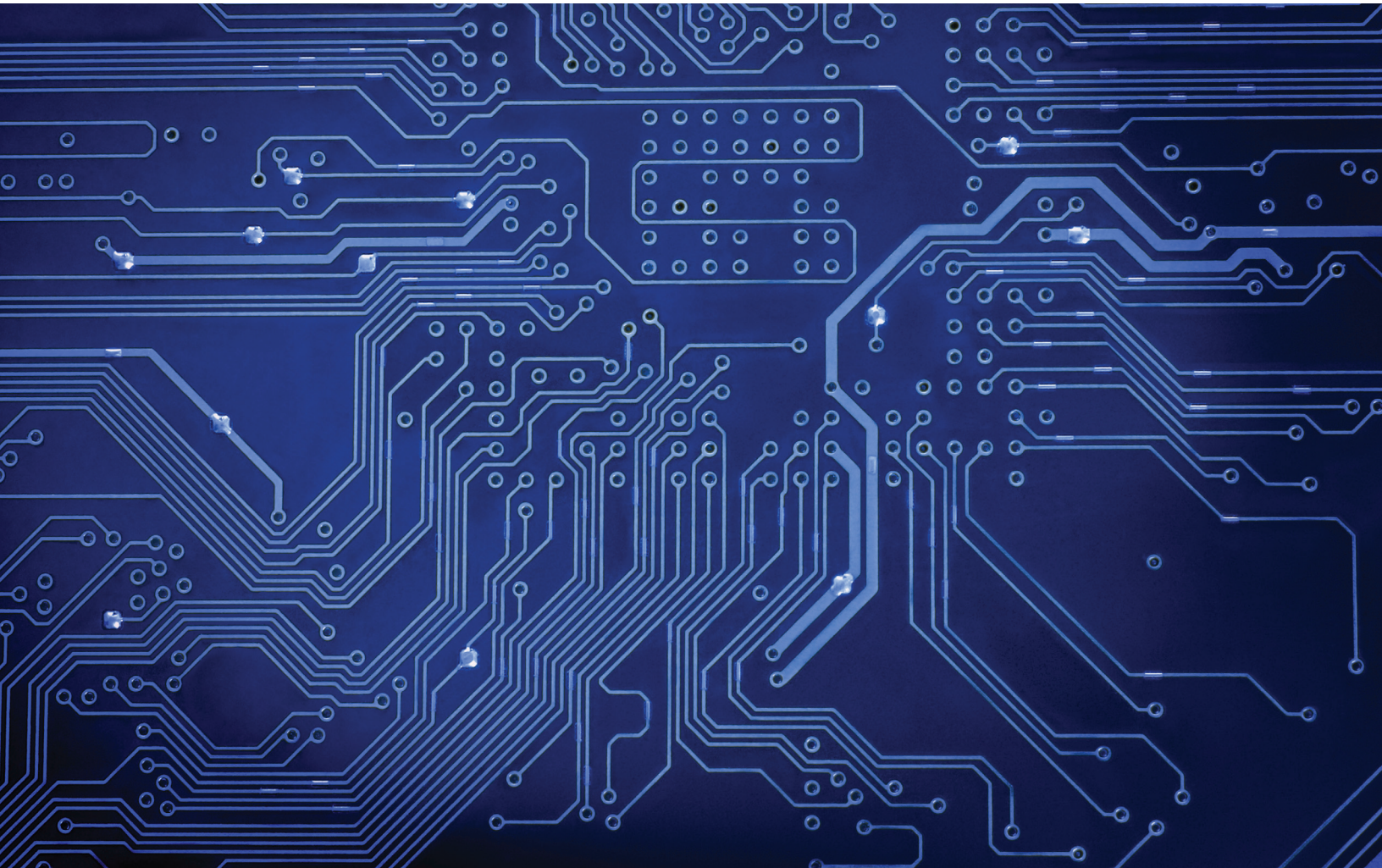


As a bridge to the future...

With beginnings in the Car AV and electronics, IRISO has established itself as a leading company in the development of connectors for the automotive market. For more than fifty years we have continued to devote ourselves to developing the field of electronics. Over the years, we have significantly expanded the range of our automotive product development to include a wide range of connectors for ADAS, electric powertrain and infotainment applications of today and tomorrow.

LEARN MORE AT: IRISOCONNECTORS.COM

Connecting a Better Future.



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