

IRISO ELECTRONICS

18021 SERIES

Z-MOVE™ SOCKET FOR PIN HEADER

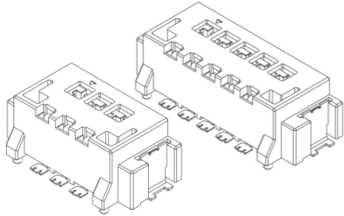


Applications:

High reliability in harsh environments such as in high vibration or temperatures found in electric vehicle powertrains, intelligent power modules and industrial equipment.



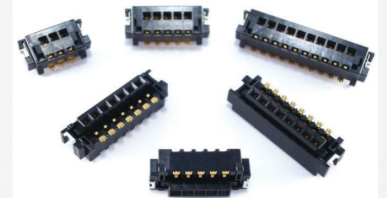
PRODUCT INFORMATION



The 18201 Series features a floating bottom entry socket for the pin header with a pitch of 2.54mm and a mating pin that is 0.64mm.

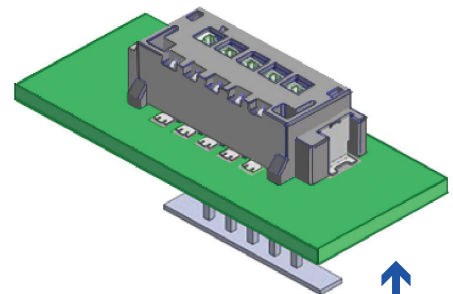
The bottom entry mating structure is suitable for stacking PCBs.

By shifting from connector with manual soldering process to this connector, you can reduce the soldering process and increase contact reliability.



1: BOTTOM ENTRY

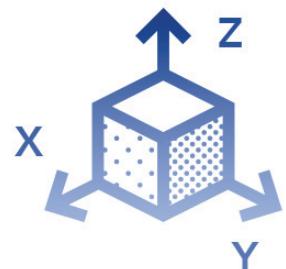
The mating pins are inserted from the bottom of the connector through the PCB into the connector housing. This allows the mating to be visible from the top of the connector for inspection. The bottom entry socket allows for a flexible mating height by changing the pin length.



BOTTOM ENTRY

2: Z-MOVE™ TECHNOLOGY

IRISO's proprietary Z-Move™ technology is designed to accommodate the motion that causes fretting contacts. The mated contact is often damaged by fretting caused by resonated PCB's vibration. Z-Move terminals are designed to keep steady contact. IRISO also offers vibration analysis to our customer's specification. Our talented engineers then present the findings to provide the customer with knowledge for a successful partnership.

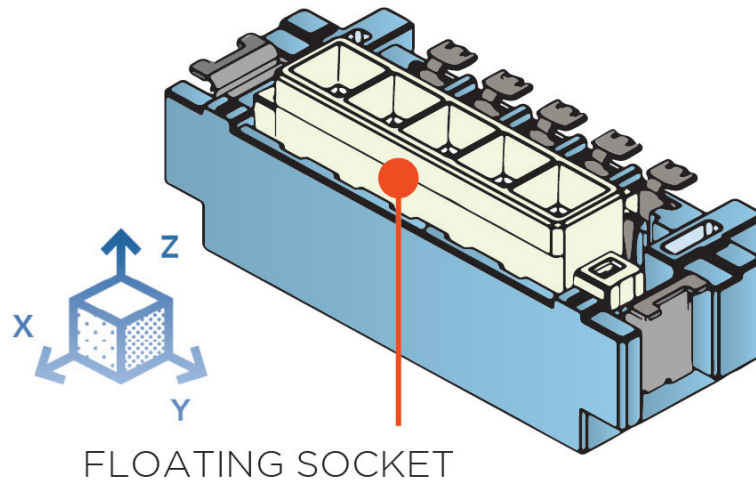


PRODUCT FEATURES

PRODUCT FEATURES

3: FLOATING AND SELF-ALIGNMENT FUNCTION

IRISO's self-alignent feature allows a mating positional error of $\pm 0.5\text{mm}$ nominal in the X and Y dirctions for assembly. The connector allows $\pm 0.5\text{mm}$ floating in the X and Y directions and $\pm 0.4\text{mm}$ in the Z direction which accomodates multiple connector pairs in one pair of PCBs.



APPLICATIONS

POWERTRAIN

CAR
ELECTRONICS

MOTION/
ROBOTIC
CONTROLLER

ROBOTS

SMART
METERS

PRODUCT SPECS

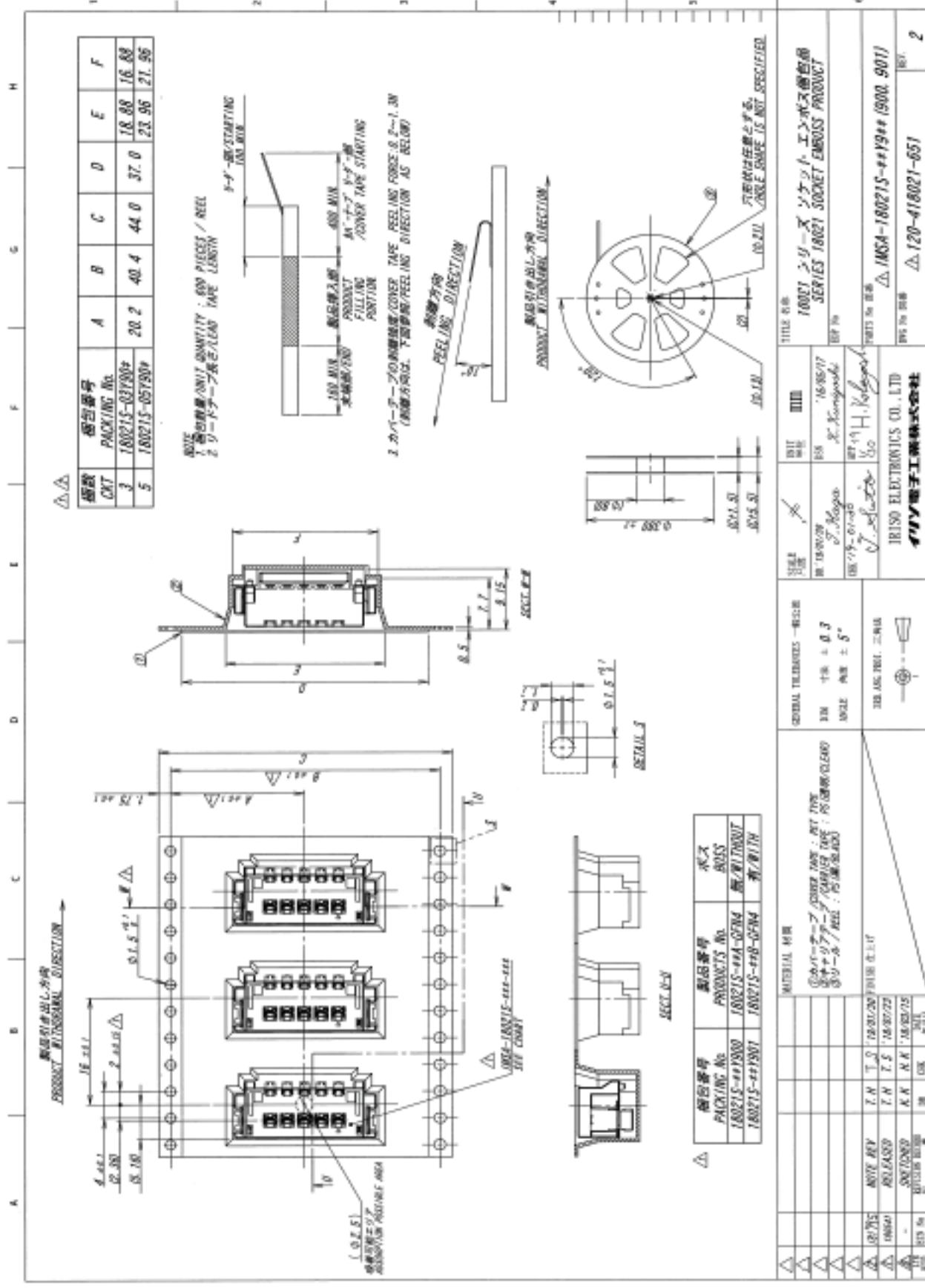
ISMA-18201S-**-Y90*

Item	Specification	Unit
Pitch	2.54	mm
Floating	X: ± 0.5 Y: ± 0.5 Z: ± 0.4	mm
Mating Height	3 ~ 4	mm
Pin Counts	3 ~ 8	Circuit
Connecting Type	Stacking	-
Operating Temperature Range	-40 ~ +125	°C
Rated Current	1.0	A
Rated Voltage	125	V
Contact Resistance	100	mΩ
Withstand Voltage	500	V
Durability (Insertion/Withdrawl)	10	Times

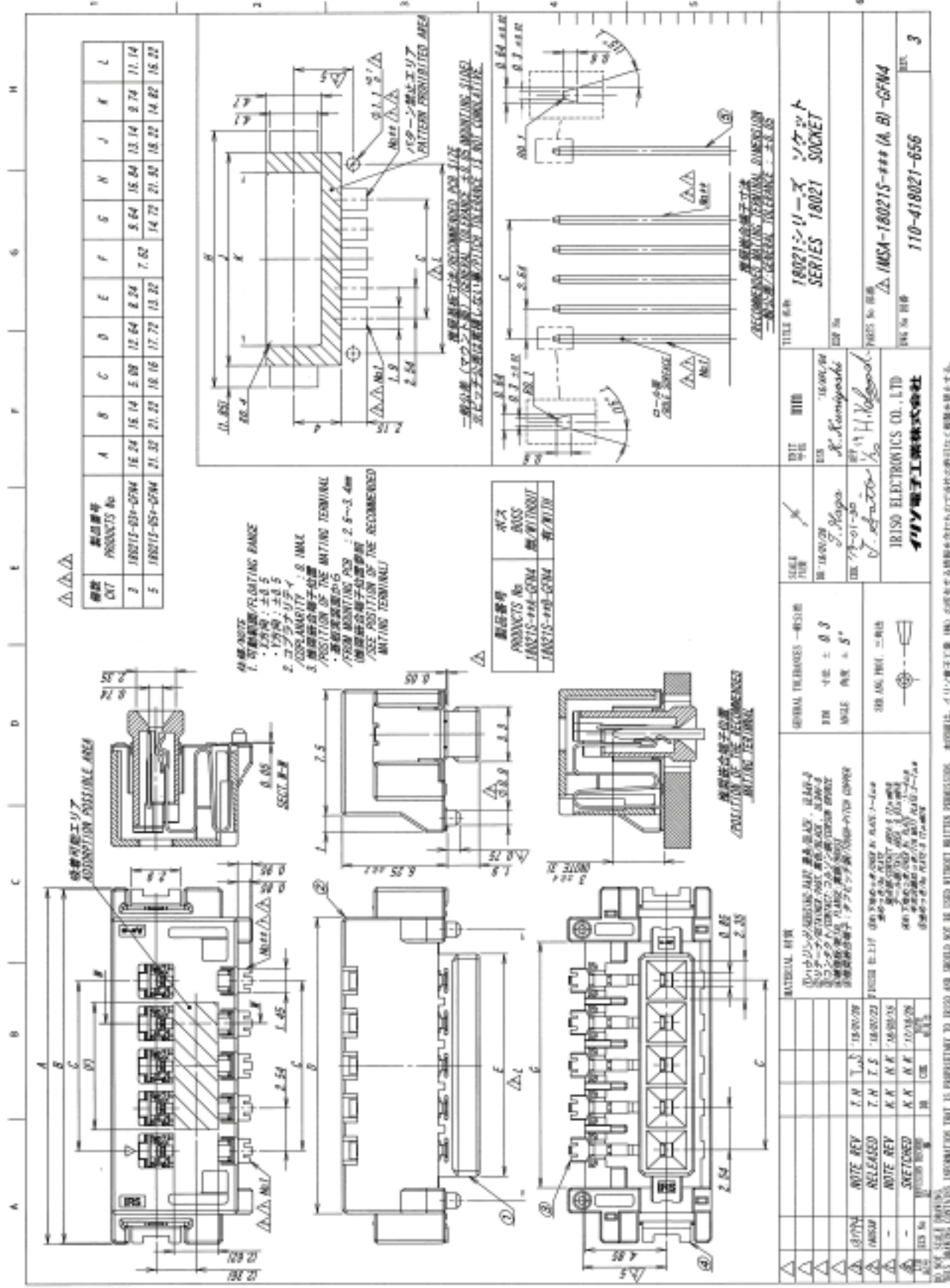
*For packaging info, please refer to our packaging drawing

**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.

PACKAGING DRAWING



SOCKET DRAWING



ABOUT

IRISO ELECTRONICS



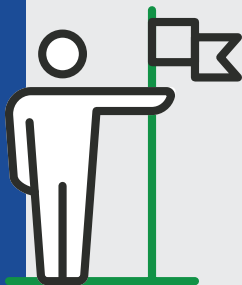
It started with a single pin...

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.

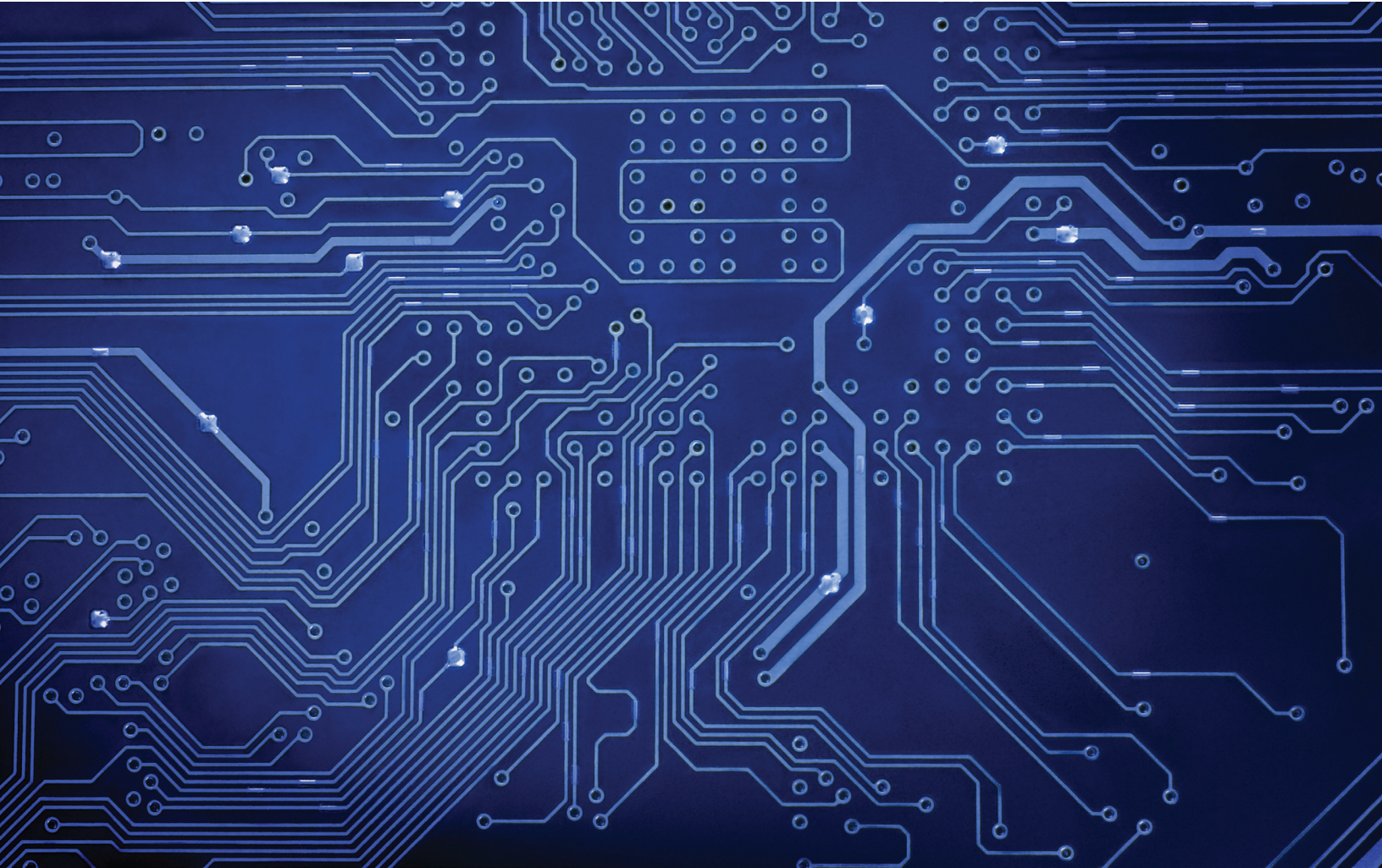


As a bridge to the future...

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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