With the spread of 5G/IoT, EMI countermeasures in the internal circuits are becoming more important. Reliable ground connections at various parts are also required.

In order to solve both EMI and grounded connection enhancements, IRISO's compression terminal is one of the solution. It can be used not only for internal connection of in-vehicle devices but also for small devices such as smartphones and tablets.

Copper alloys are used which has excellent conductivity and spring properties and can be used for additional device connections.

【Target Application】
Smartphones, tablets, smart watches, mobile routers and other communication devices, home gaming consoles, communication robots, etc.

Miniaturization and High reliability ①

In order to achieve stable contact pressure, dimple processing is used for the contacts, achieving excellent contact performance even with an ultra small size.
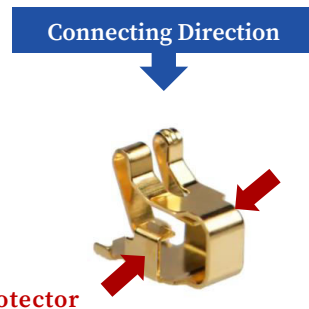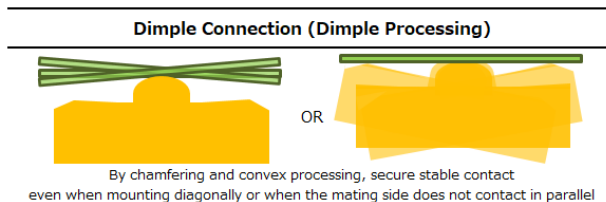In addition, the wiping effect reduces the influence of dust on the contact surface and the generated film, so foreign matter is not an issue.

Miniaturization and High reliability ②

Furthermore, a side protector was adopted which reduces stress from either the left and right sides reducing the inward push that is more than necessary. It has a structure that maintains the shape and integrity of the contacts.

Various Lineup

IRISO's compression terminal lineup covers a wide range of compression sizes from 0.6 mm to 7.0 mm so that it can be used as a substrate for any application. Please use the "Compression Search" feature on our website to find the product that supports your needs.

Dimple Connection (Dimple Processing)

OR

By chamfering and convex processing, secure stable contact even when mounting diagonally or when the mating side does not contact in parallel

Connecting Direction

Side Protector

Contact Height(mm)

IRISO Series No.													
4103T	0.6~1.1												
4067T	0.7~ 0.9												
4056T	0.8~ 1.0												
16124T	0.9~ 1.0												
4104T	0.9~ 1.5												
16109T		0.85~1.4											
4039T			1.1~1.6										
4102T			1.25~1.66										
4099T				1.8~2.1									
4066T					1.9~2.2								
4101T					2.1~2.5								
4076T						2.45~2.85							
4055T							2.85~3.45						
4080T									4.5~6.5				
16105T											6.0~7.0		
16106T									5.0~6.0				

4055 Series - Compression Terminal -

IPS-4055T-01Y901

Product Spec

Item	Unit	Specification
Connecting Type	–	Stacking
Compression Range	㎜	2.85~3.45
Projected Area	㎜	2.9×5.0
Contact Force （Compression Range=2.85）	N	1.1
Operating Temperature Range	℃	-40~+105
Contact Resistance	Ω	0.1
Durability (Insertion/Withdrawal)	times	10

Terminal

Component	Material	Plating
Terminal	Copper alloy	Gold

＊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.

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