



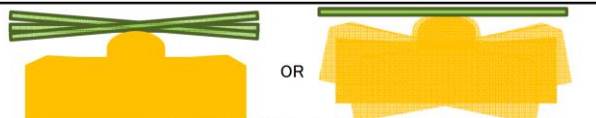
5G/IoTの普及を背景に、通信機器の内部回路でのEMI対策がより重要になってきています。これは、最も身近な通信機器であるスマートフォンも例外ではありません。

イリソ電子工業がご提案する「16124シリーズ」は、EMI課題への解決策となるコンプレッションターミナルです。高い接続信頼性を持ちながら、限られたスペースで効率的なグランド接続を可能とします。

小型化と高信頼性の両立①

安定した接圧を実現させる為、接点にディンプル加工を採用することで、超小型でも優れた接触性能を実現します。また、接触時のワイピング効果により、接点表面上のダスト、生成した皮膜等の影響を軽減し、対異物についても安心してご使用いただけます。

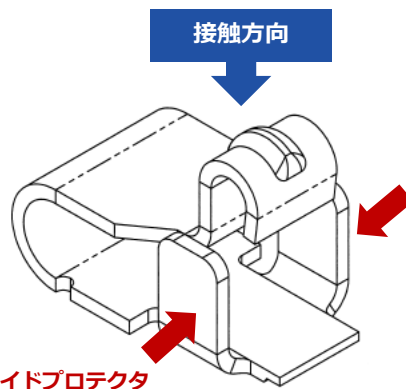
接触信頼性を確保するための接点部の処理方法(ディンプル接触)



面取+凸加工を施すことで斜め実装時、又は相手側が平行に接触しなくても安定した接触を確保

小型化と高信頼性の両立②

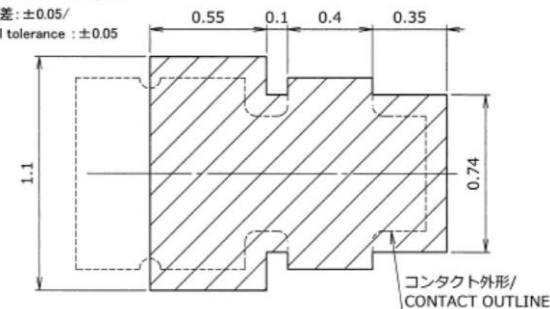
左右からの応力や必要以上の押込みを制限できるサイドプロテクタを採用することで、接点の変形が発生しにくい構造となっております。



モバイル機器に適した実装スペース

実装に必要なスペースは、1.1×1.4mm と非常に小さくなっており、スマートフォン等の小型機器の基板上的多連続にも最適です。

推奨ランドパターン/
Recommend of PCB layout
一般公差: ±0.05/
General tolerance: ±0.05





With 5G/IoT related technologies trend, EMC management is getting to be more important than ever. Smart-Phone, which is on your hand, also is one what needs new EMC countermeasures.

IRISO is offering 16124 series as micro size Compression Terminal. It will help the equipment which will have effective from ground connection in limited inside-space. It's having several special features to bring high reliability of connection. See some more details in bellow...

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.

Mounting space suitable for mobile devices

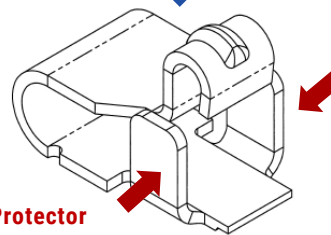
It only needs 1.1mm by 1.4mm land size for PCB real estate. It will allow you to have many GND connections in limited space!

Dimple Connection (Dimple Processing)



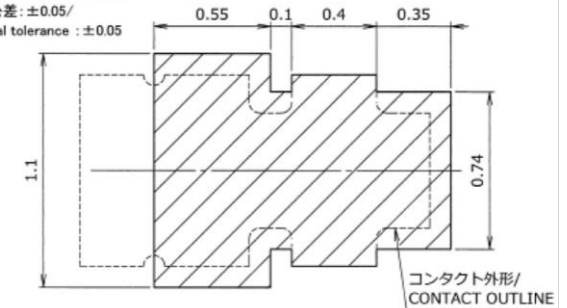
By chamfering and convex processing, secure stable contact even when mounting diagonally or when the mating side does not contact in parallel

Connecting Direction



Side Protector

推奨ランドパターン/
Recommend of PCB layout
一般公差: ±0.05/
General tolerance: ±0.05



IPS-16124T-01Y901

Product Spec

Item	Unit	Specification
Connecting Type	-	Stacking
Compression range	mm	0.8~1.0 (Recommend Height=0.9)
Projected Area	mm	1.4 × 1.1
Contact Force (Compression Range=0.9)	N	1.0 ± 0.2
Operating Temperature Range	℃	-40~105
Rated Current	A	1.0
Rated Voltage	V	50
Contact Resistance	mΩ	50
Durability (Insertion/Withdrawal)	times	10

Plug

Parts	Material	Plating
Contact	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.

