FLYER

IT14 Series

0.9mm Pitch / 5mm Stacking Height

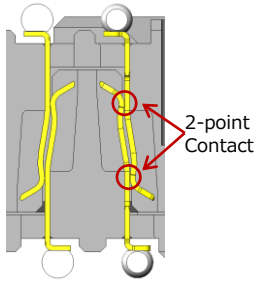
Mirror Mezz - High Speed, Low Height, BGA Mezzanine Connector

Features

1. **Molex “Mirror Mezz” Licensed Second Source**
2. **High Speed Transmission (56+Gbps NRZ / 112+Gbps PAM4)**
3. **OAM Specified Connector**
4. **High Pin Count, High Density : 688pos. (172DPs/in²)**
5. **Hermaphroditic Connector**
6. **Stub-less 2-point Contact Design**
7. **Protective Housing that Encapsulates the Contact Tips Prevents Warping During Mating**

Contact Design

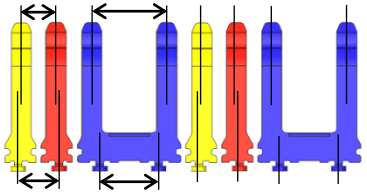
Stub-less Design



- **Superior SI Performance**
- **2-point Contact for Enhanced Reliability**
- **Wiping Amount : 1.5mm Max.**

Impedance Matching

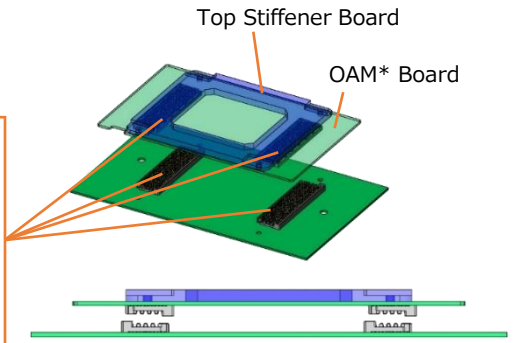
(92Ω Target)



Pitch differs from contact portion and mounted portion for impedance optimization.

Used in OAM* (OCP Accelerator Module)

IT14:
5mm Stacking Height
(2.5mm + 2.5mm)
688pos.
172 Differential Pairs



*OAM＝OCP (Open Computer Project) Accelerator Module

Specifications

Rated Current	1.2A
Rated Voltage	30V AC/DC
Operating Temperature	-55 to +105℃
Contact Resistance*	30mΩ Max.
Withstanding Voltage	500V DC for 1min.
Insulation Resistance	1000MΩ (500V DC)
Mating Durability	100 times
Impedance	92Ω

*Includes conductor resistance.
-Cross mates with Molex’s Mirror Mezz.
-No. of Pos. : 688pos.

HIROSE ELECTRIC CO.,LTD.

