



## 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/in<sup>2</sup>)
- 5 Hermaphroditic Connector
- 6 Stub-less 2-point Contact Design
- 7 Protective Housing that Encapsulates the Contact Tips Prevents Warping During Mating



High-Speed



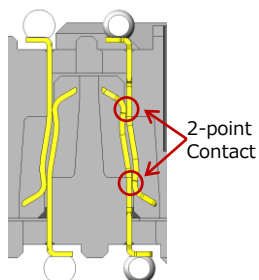
Low Profile



Stacking

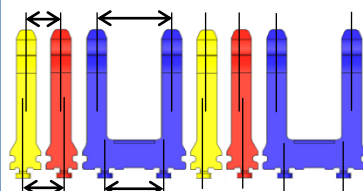
## Contact Design

### Stub-less Design



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

### Impedance Matching (92Ω Target)

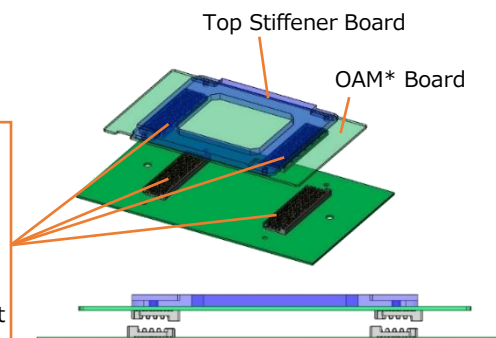


Pitch differs from contact portion and mounted portion for impedance optimization.



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

## Used in OAM\* (OCP Accelerator Module)



## Specifications

Rated Current	1.2A
Rated Voltage	30V AC/DC
Operating Temperature	-55 to +105°C
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.

\*OAM=OCP (Open Computer Project) Accelerator Module