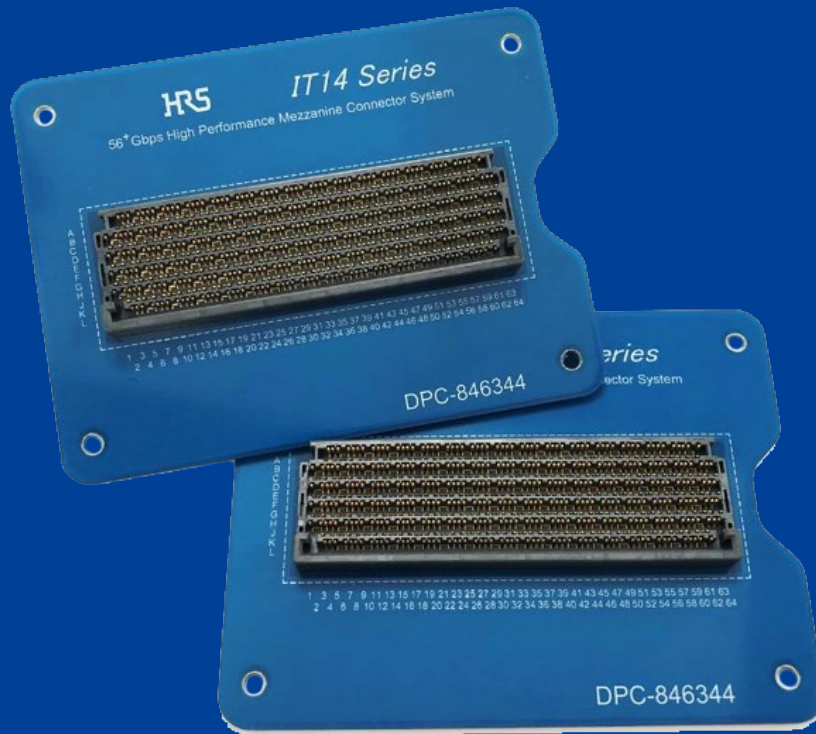


HRS HIROSE ELECTRIC EUROPE B.V.



Hirose Electric has released the IT14 Series, a hermaphroditic board-to-board connector that supports up to 112Gbps PAM4 transmission speed.

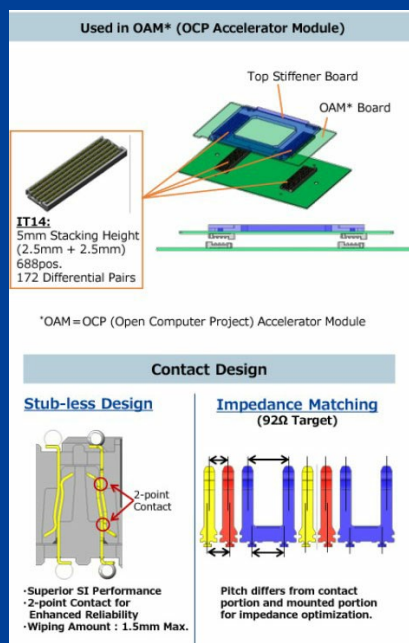
IT14 is the licensed second source for “Mirror Mezz”, which was developed by connector manufacturer Molex in 2018 (Headquarters: Lisle, Illinois, USA) for applications such as servers, data communications, and telecommunications equipment.

Stable Supply of Components in Telecommunications Equipment Market

The IT14 Series has been released mainly to provide a stable supply of components required in the telecommunications equipment market.

Molex's Mirror Mezz is used as the board-to-board connector on the Open Compute Project (OCP) Accelerator Module (OAM, OCP Accelerator Module) and in chipset connection for ASICs (Application Specific Integrated Circuit) and GPUs (Graphics Processing Unit) from leading semiconductor manufacturers.

Further demand is expected in the future, and a stable supply of the Mirror Mezz connector is essential. To meet these needs, Hirose has released the IT14 Series as the licensed second source product of Molex's Mirror Mezz.



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.

Excellent Transmission Characteristics and Workability

The IT14 Series supports up to 112Gbps PAM4 / 56Gbps NRZ high speed transmission.

The hermaphroditic interface reduces the number of steps required to design each board. In addition, the protective housing encapsulates the contact tips for each pin arrangement, prevents warping during mating and allows blind mating for excellent workability.

For additional details

[Click Here](#)