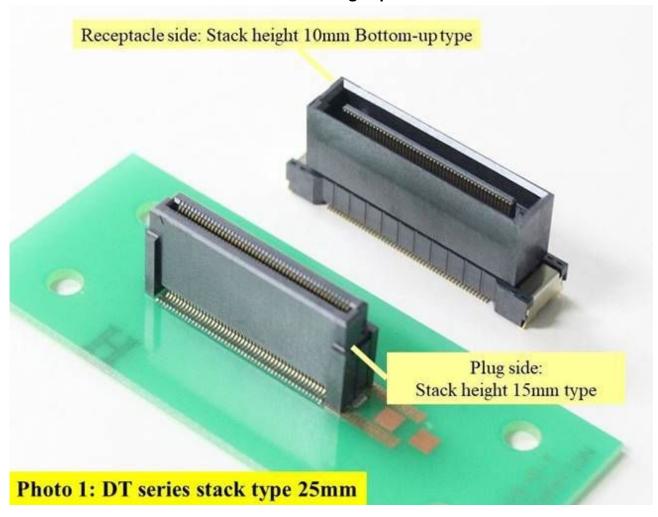




Announcement of Development of High-speed Transmission Floating Connector "DT Series" Stack Height 25mm Type.

KEL has newly developed a stack height 25 mm type of 0.5 mm pitch floating connector "DT series" for high speed transmission.



"DT series" is a variation of the floating connector that KEL is focusing on.

In December 2019, we developed a stack height of 30 mm for the series.

This time, we additionally developed the stack height type of 25 mm and expanded the variations of the high-performance high stack type.

This time, we developed a product with a stack height of 15 mm on the plug side connector of this series and combined it with a type that raised the stack height on the receptacle side by 10 mm to achieve a stack height of 25 mm.

Similar to products with a stack height of 30 mm, there is a high floating amount of ± 1.0 mm in the XY direction, and high-speed serial transmission

Furthermore, by combining with the existing DT series receptacle side, it is possible to support products with a stack height of 15 mms. *15mm type supports a floating amount of ±0.5mm.

B.C.E. S.r.l Via Regina Pacis, 54/c - I 41049 Sassuolo (MO), Italy				
Tel: (+39) 0536 811616	Fax: (+39) 0536 811500	E-mail: bce@bce.it	Web: www.bce.it	





< Features >

- 0.5mm pitch floating connector compatible with high-speed transmission.
- Supports high-speed serial transmission equivalent to 8Gbps.
- Secure a high floating amount of ±1.0 mm in the XY direction.
- Highly reliable design with effective mating length of 1.5 mm.
- Stack height corresponds to 25 mm.
 Supports a stack height of 15 mm in combination with the existing DT series receptacle side.
- 7 types of pins for 30, 40, 60, 80, 100, 120, 140

<Specifications>

• Insulator material : Glass-filled LCP(UL94V-0), Black

Contact material : Copper alloy
 Contact plating : Gold over Nickel
 Retention clip material : Copper alloy

Retention clip plating : Gold over Nickel (Receptacle)

Tin over Nickel (Plug)

• Dustproof tape material : Polyimide • Current rating : 0.4A per contact • Contact resistance : $80 \text{ m}\Omega$ max.

• Dielectric withstanding voltage : 200V AC for 1 minute

• Insulation resistance : $100M\Omega$ min. at 250V DC • Operating temperature range : -40° C to $+105^{\circ}$ C

XPlease note that the specifications are subject to change.

Connection Technology That Links To The Future

B.C.E. S.r.l Via Regina Pacis, 54/c - I 41049 Sassuolo (MO), Italy					
Tel: (+39) 0536 811616	Fax: (+39) 0536 811500	E-mail: bce@bce.it	Web: www.bce.it		