

## 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  $\pm 1.0$  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  $\pm 0.5$ mm.



#### < 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  $\pm 1.0$  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 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°C

※Please 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](mailto:bce@bce.it)

Web: [www.bce.it](http://www.bce.it)