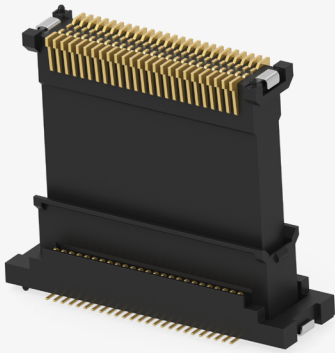




0.8MM FREE HEIGHT FLOATING CONNECTORS

TE Connectivity's (TE) new 0.8 mm free height floating connectors offer ± 0.6 mm floating range with robust and cost-effective design that helps to enable reliable blind mating to reduce customer assembly cost and is suitable for high vibration applications. The product portfolio includes board stacking heights from 6.25mm to 24.7mm and is available in different sizes from 30 to 120 pins.

With its cost-effective yet rugged design, the series offers broad product coverage that supports flexible design-in across automotive, industrial, and data communication applications.

TARGET MARKETS & APPLICATIONS

- **Automotive** – Infotainment System, Lidar, Advanced Driver Assistance Systems (ADAS)
- **Industrial** – Automation, Industrial Control, LED Display, Robotics
- **Data Communication** – Communication Base Station

SPECIFICATIONS

- Floating range of ± 0.6 mm in X, Y direction and ± 0.5 mm in Z direction
- Wide product coverage of pin counts (30-120) and stacking height (6.25 -24.7mm)
- Up to 2.5Gbp/s
- Operation temperature - 40°C to +125°C
- Product design with location peg

KEY BENEFITS AND FEATURES

Easier Assembly and Cost-Effective Design

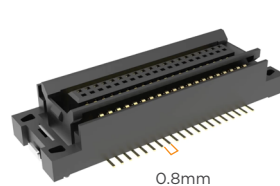
- Floating features enable blind mating, can minimize assembly defect risk
- Accurate positioning in PCB and easy to mount with location peg
- Reduce customer assembly cost

Notable Performance and Rugged Design

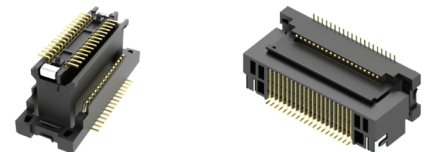
- Reliable performance fit for high vibration applications
- Suitable for harsh environment applications with high temperature

Broad Portfolio

- Offers customer design flexibility in terms of pin counts and stacking height at end applications



0.8mm



Vertical and Horizontal Configuration



Large Floating Range

PART NUMBERS

Height (mm)	30 Pos.	40 Pos.	50 Pos.	60 Pos.	70 Pos.	80 Pos.	100 Pos.	120 Pos.
Receptacle, Vertical								
4.95	2487492-3	2487492-4	2487492-5	2487492-6	2487492-7	2487492-8	1-2487492-0	1-2487492-2
8.45	2487882-3	2487882-4	2487882-5	2487882-6	2487882-7	2487882-8	1-2487882-0	1-2487882-2
Plug, Vertical								
4.8	2487671-3	2487671-4	2487671-5	2487671-6	2487671-7	2487671-8	1-2487671-0	1-2487671-2
6.8	2487877-3	2487877-4	2487877-5	2487877-6	2487877-7	2487877-8	1-2487877-0	1-2487877-2
7.8	2487881-3	2487881-4	2487881-5	2487881-6	2487881-7	2487881-8	1-2487881-0	1-2487881-2
10.9	2487884-3	2487884-4	2487884-5	2487884-6	2487884-7	2487884-8	1-2487884-0	1-2487884-2
13	2487886-3	2487886-4	2487886-5	2487886-6	2487886-7	2487886-8	1-2487886-0	1-2487886-2
14.5	2487883-3	2487883-4	2487883-5	2487883-6	2487883-7	2487883-8	1-2487883-0	1-2487883-2
15.8	2487887-3	2487887-4	2487887-5	2487887-6	2487887-7	2487887-8	1-2487887-0	1-2487887-2
19.7	2487888-3	2487888-4	2487888-5	2487888-6	2487888-7	2487888-8	1-2487888-0	1-2487888-2
Plug, Right Angle								
6.7	2487778-3	2487778-4	2487778-5	2487778-6	2487778-7	2487778-8	1-2487778-0	1-2487778-2

(Stacking height = Receptacle height + Plug height – 3.5mm)

FREQUENTLY ASKED QUESTIONS

Q1: What is the floating range of your products?

A1: Our 0.8 free height floating series can offer ±0.6mm in X, Y direction and ±0.5mm in Z direction.

Q2: How does your product achieve the floating feature?

A2: Our connector housing contains both fixed part and floating part, and they work together with spring contacts to support the movement.

Q3: What is the advantage of floating function?

A3: It can support blind mating to absorb assembly tolerance and reduce assembly cost.

Q4: Does the product float affect the contact?

A4: No. The contact area of the product is limited by plastic. After strict tolerance analysis, the contact is good with worst deviation.

Q5: Does the product support diagonal insertion?

A5: Yes, we have a large guide angle of the female plastic. Please refer to our Application Specification for details.

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