SlimStack Board-to-Board Connectors, 0.40mm Pitch Floating, FSB5 Series feature a large floating range for space-saving and design flexibility, making them ideal for a wide range of applications in the automotive, industrial and consumer industries.

**Features and Advantages**

- **Low-halogen material**
  - Meets industry environmental requirements

- **Floating direction**
  - ±0.50mm floating range in X-, Y- and Z-axis directions
  - Facilitates assembly in the event of misalignment or blind joining

- **Soft floating Force**
  - Makes assembly and operations easy

- **Smallest size in the B-to-B floating connectors market**
  - Provides space saving

- **High Temperature**
  - Support up to 125°C
  - Improved design applicability

- **High-speed transmission**
  - Supports a high-speed transmission rate of up to 6 Gbps

- **Pin assignment:** GSGSSG

**Applications**

**Automotive**
- Car cameras
- Car radar
- Car LiDAR
- Car infotainment

**Industrial**
- Automation machines
- Transformers

**Consumer**
- UAVs (drones)
Specifications

REFERENCE INFORMATION
Packaging: Embossed Tape on Reel
Designed In: Millimeters
RoHS: Yes
Halogen Free: Low-halogen

ELECTRICAL
Voltage (max.): 40V
Current (max.): 0.3A per circuit
Contact Resistance (max.): 80 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance (min.): 100 Megohms

MECHANICAL
Insertion force: Refer to specification
Withdrawal force: Refer to specification
Durability (max.): 30 cycles

PHYSICAL
Housing:
Receptacle: LCP, UL 94V-0, Black
Plug: LCP, UL 94V-0, Black
Terminal: Copper Alloy
Fitting Nail: Copper Alloy
Plating:
Terminal Contact Area — Gold (Au)
Solder Tail Area — Gold (Au)
Underplating — Nickel (Ni)
Fitting Nail Solder Tail Area — Tin (Sn)
Underplating — Nickel (Ni)
Operating Temperature: -40 to +125°C

Dimensions
Refer to drawing for detail dimension

Receptacle

Plug

Ordering Information

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**: Circuit Size

www.molex.com/link/slimstack.html

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