SlimStack Board-to-Board Connectors, 1.25mm Pitch Floating, FSR1 Series

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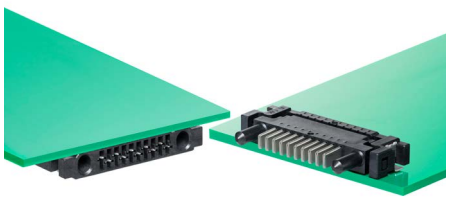
1.25mm Pitch SlimStack B-to-B Connectors with wide floating range offer space savings, superior reliability and simplified assembly process, making them ideal for car column switches

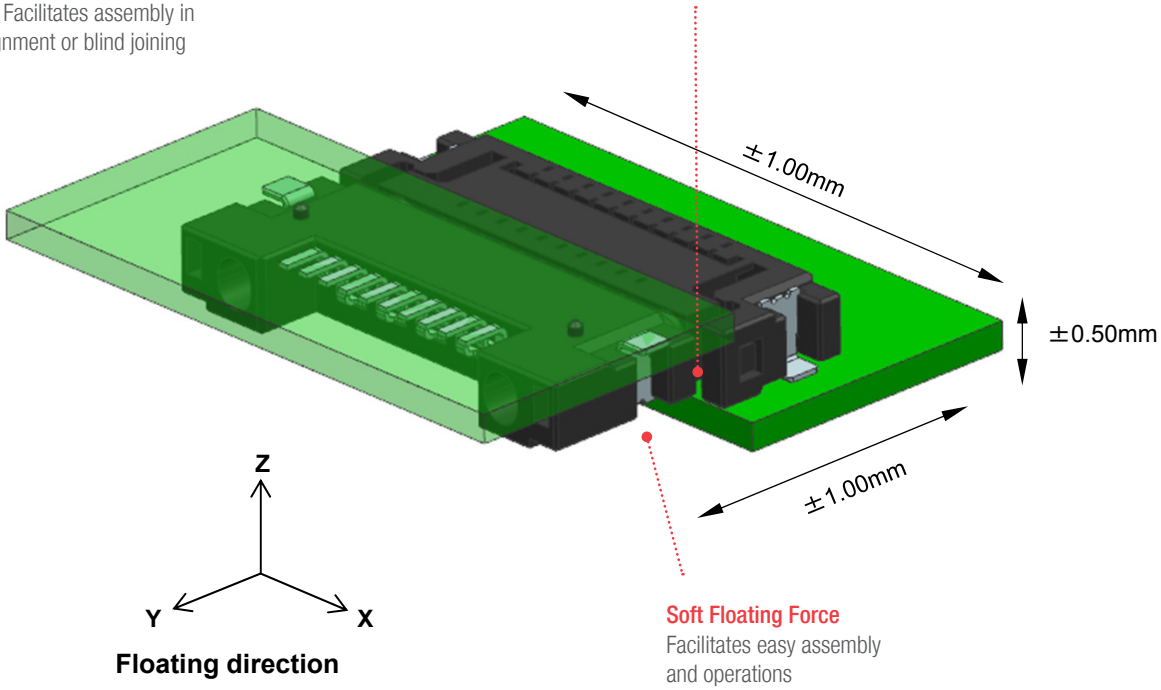


FSR1 series has good spring design to inhibit fretting corrosion and achieve high contact reliability. The design provides vibration-resistant solutions to meet automotive market requirements.

Features and Advantages

Improved Contact Design
Prevents contact structure from fretting corrosion

Wide Floating Range
Reduces PWB gap. Facilitates assembly in the event of misalignment or blind joining



Floating direction

Soft Floating Force
Facilitates easy assembly and operations

Applications

Automotive

Car column switches

Car Column Switch

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Specifications

REFERENCE INFORMATION
Packaging: Embossed Tape and reel
Designed in: Millimeters
RoHS: Yes
Halogen Free: low halogen

ELECTRICAL
Voltage (max.): 125V
Current (max.): 1.0A per circuit
Contact Resistance (max.): 30 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance (min.): 500 Megohms

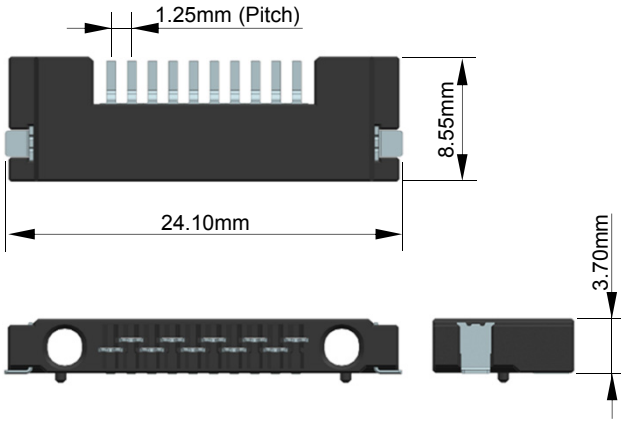
MECHANICAL
Mating Force (max.): 26.0N
Un-mating Force (min.): 3.0N
Durability (max.): 10 cycles

PHYSICAL
Housing: LCP, UL94V-0, Black
Contact: Copper Alloy
Plating:
Contact Area – Tin-Bismuth
Solder Tail Area – Tin-Bismuth
Underplating – Nickel
Operating Temperature: -40 to +105˚ C

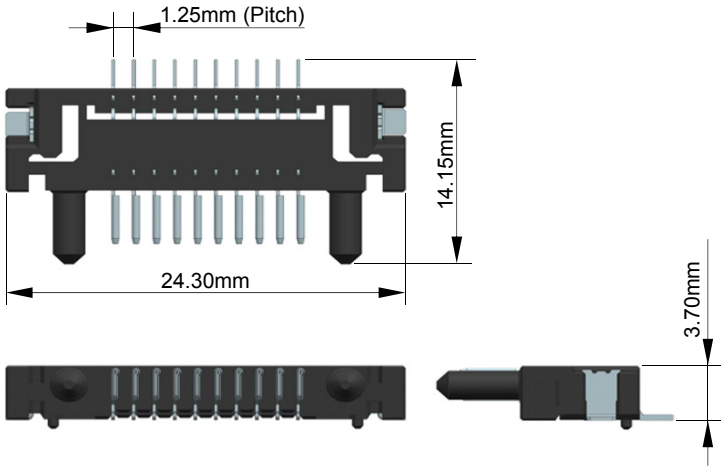
Dimensions

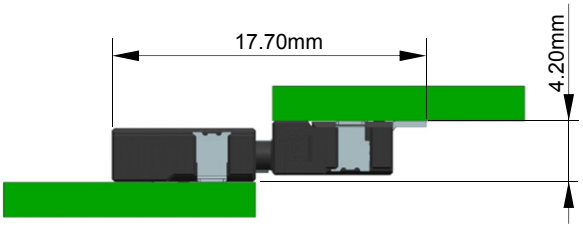
Refer to drawing for detail dimension

Receptacle



Plug





Ordering Information

Order No.		Mated Height (mm)	Mated Width (mm)	Circuits
Receptacle	Plug			
201451-0101	201452-0102	4.20	17.70	10

www.molex.com/link/slimstack.html