

SlimStack Board-to-Board Connectors, 0.40mm Pitch, HRF Series

molex

SlimStack Board-to-Board 0.40mm-Pitch High Retention Force (HRF) Series Connectors offer high mating-retention force in a triple-lock low-profile design, making them ideal for rugged and compact applications

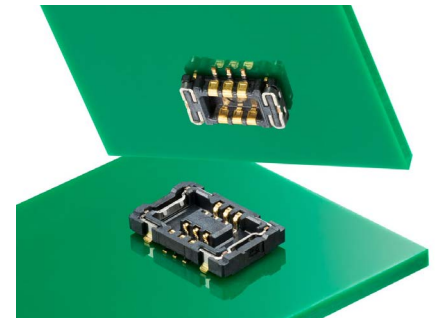
Features and Advantages

High mating-retention

Provides superior mating reliability for applications subject to high vibration or rugged conditions

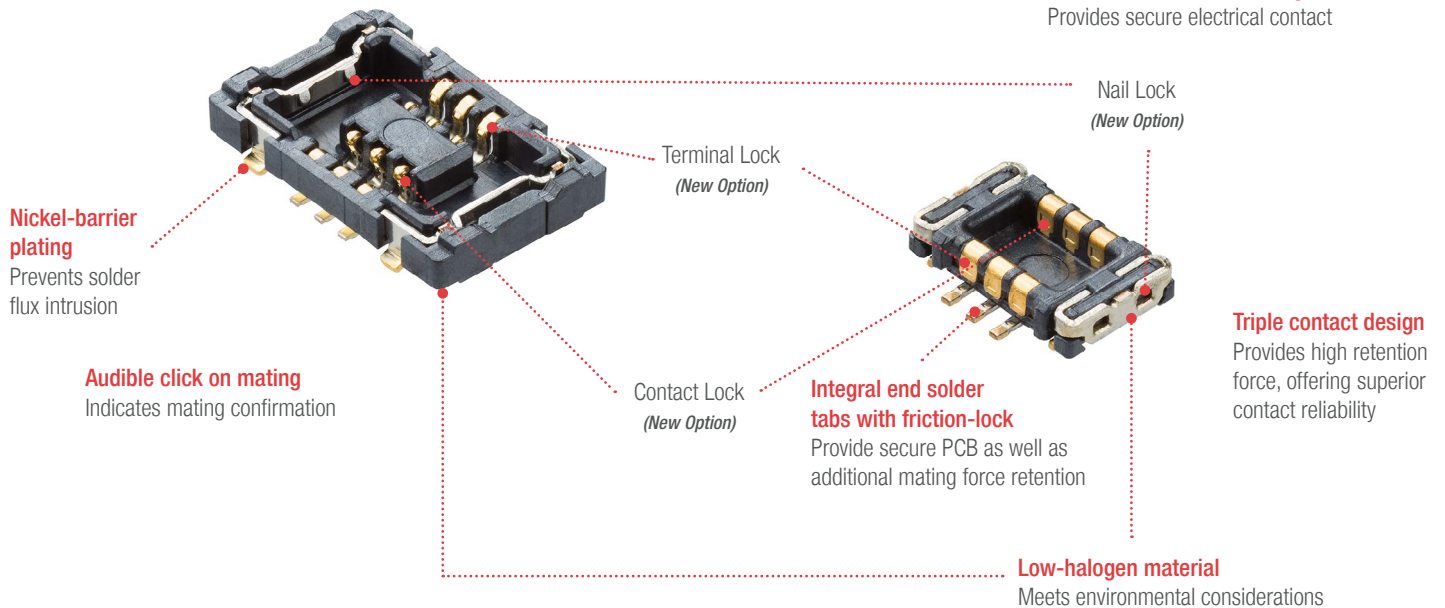
Narrow width, low profile and small pitch

Yields space savings for mobile and compact applications



Dual-contact terminal design

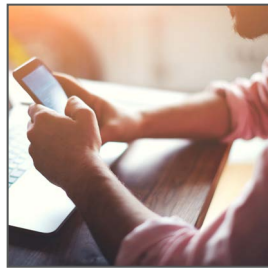
Provides secure electrical contact



Applications

Mobile Devices

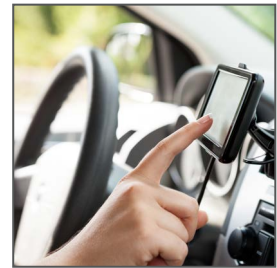
- Smartphones
- Tablet PCs
- Digital cameras
- Wearable devices
- Portable audio devices
- Navigation equipment



Smartphone



Wearables



Portable Navigation

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Specifications

REFERENCE INFORMATION

Packaging: Embossed tape on reel
 Designed In: Millimeters
 RoHS: Yes
 Halogen Free: Low-halogen

ELECTRICAL

Voltage (max.): 50V
 Current (max.): 0.3A per circuit
 Contact Resistance (max.): 80 milliohms
 Dielectric Withstanding Voltage: 250V AC
 Insulation Resistance (min.): 100 Megohms

PHYSICAL

Housing: LCP, UL94V-0, Black
 Contact: Copper Alloy
 Plating:
 Contact Area – Gold
 Solder Tail Area – Gold
 Underplating – Nickel
 Operating Temperature: -40 to +85°C

MECHANICAL

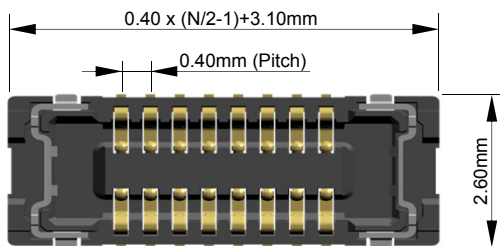
Durability (max.): 30 cycles

Dimensions

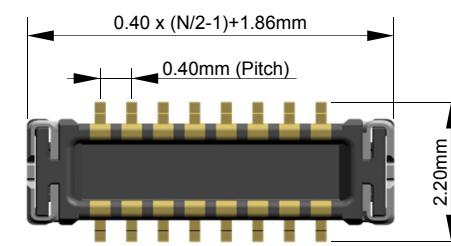
* Refer to drawing for detail dimension

N: Circuit Size

Receptacle



Plug



Ordering Information

Order No.		Mated Height (mm)	Mated Width (mm)	Circuits
Receptacle	Plug			
503548-**22	503552-**22	0.70	2.60	6, 10, 12, 14, 16, 18

** : Circuit Size

www.molex.com/link/slimstack.html

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