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

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.
- **Nickel-barrier plating**: Prevents solder flux intrusion.
- **Audible click on mating**: Indicates mating confirmation.
- **Dual-contact terminal design**: Provides secure electrical contact.
- **Integral end solder tabs with friction-lock**: Provide secure PCB as well as additional mating force retention.
- **Triple contact design**: Provides high retention force, offering superior contact reliability.
- **Low-halogen material**: Meets environmental considerations.
- **Contact Lock (New Option)**
- **Terminal Lock (New Option)**
- **Nail Lock (New Option)**

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

**MECHANICAL**
- Durability (max.): 30 cycles

**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

**Dimensions**

* Refer to drawing for detail dimension

**Ordering Information**

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<th>Order No.</th>
<th>Mated Height (mm)</th>
<th>Mated Width (mm)</th>
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*: Circuit Size

**www.molex.com/link/slimstack.html**