DATASHEET

Quad-Row Board-to-Board Connectors ›

Quad-Row Board-to-Board Connectors feature a staggered circuit layout for a highly compact package in a wide range of space-constrained applications, allowing manufacturers to maximize productivity while minimizing the physical footprint. These connectors offer robust power for enhanced overall efficiency and meet market demands without compromising functionality.

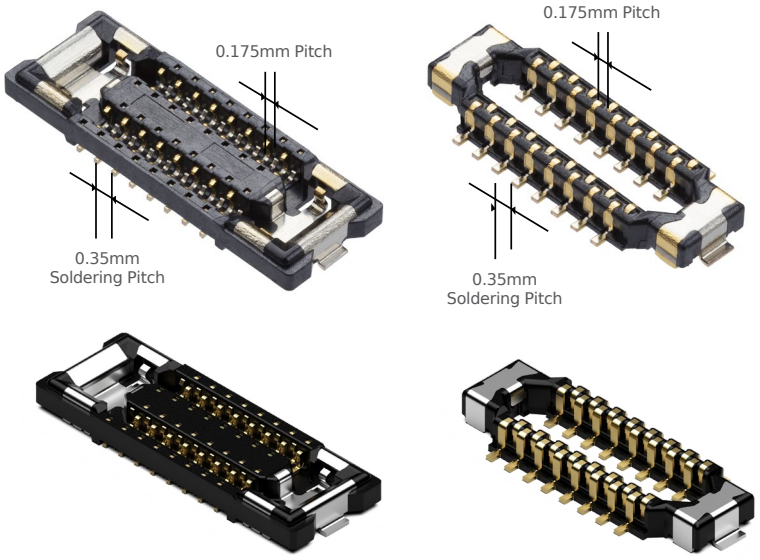
ADVANTAGES AND FEATURES

Offers excellent space savings

The low-profile design has a 0.175mm-pitch.

Provides robustness and protection in the interior cover

An armored and insert-molded nail helps prevent damage to the connectors.



MARKETS AND APPLICATIONS

Consumer

Smart phones
Portable audio equipment
Portable navigation equipment
IoT and smart home devices
5G and RF devices
Drones

Medical Devices

Patient-monitoring systems
Therapeutic and surgical equipment

Defense

Unmanned vehicles
Aircraft avionics

Mobile Devices

Smart phones
Tablets

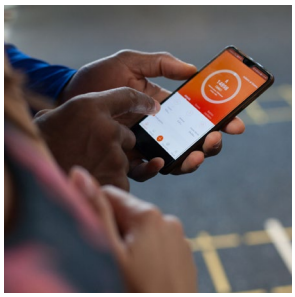
Wearables

Smart watches
Smart glasses
Earbuds
AR/VR devices

Drones

Medical Equipment

Patient-Monitoring Systems



Smart Phones

Smart Watches

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SPECIFICATIONS

Reference Information

Packaging: Embossed tape with cover
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical

Voltage (max.): 50V
Current (max.): 0.3A signal/3.0A nail
Contact Resistance:
  Signal Contact: 35 milliohms
  Nail Contact: 20 milliohms
Dielectric Withstanding Voltage: 250V
Insulation Resistance: 100 megohms

Mechanical

Pitch: 0.175mm
Mated Height: 0.60mm
Width: 2.00mm
Length (Receptacle):
Pitch (N/2-1)+3.10mm
Structure Type: vertical type
Circuit Sizes: 20, 32, 36 and 64
Durability (max.): 30 cycles

Physical

Housing: LCP UL94 V-0
Contact: Copper alloy
Plating: Contact Area—Gold
  Solder Tail Area—Gold
  Underplating—Nickel
Operating Temperatures: -40 to +85°C

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