

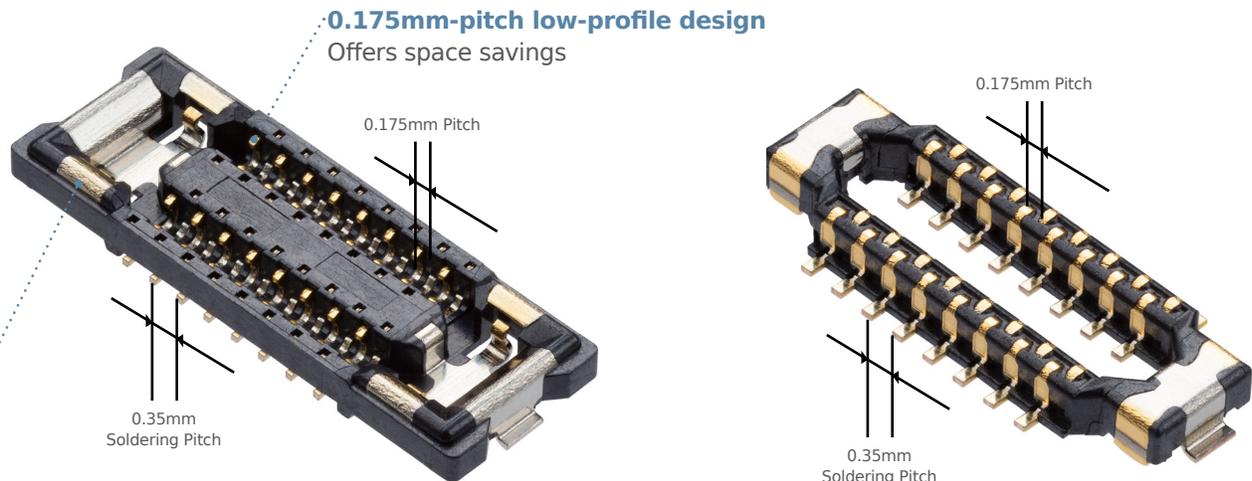
Quad-Row Board-to-Board Connectors >

Quad-Row Board-to-Board Connectors deliver an excellent space saving solution in a range of space-constrained applications and 3.0A of current in highly compact package for robust power.



Quad-Row Board-to-Board Connectors

FEATURES AND ADVANTAGES



Armored and insert-molded nail

Offers robustness and protection in interior cover

MARKETS AND APPLICATIONS

Consumer

- Smartphones
- Tablet PCs
- Wearable devices
- Portable audio equipment
- Portable navigation equipment
- IoT and smart home devices
- AR/VR devices
- 5G and RF devices
- Drones



Drones



Medical Equipment



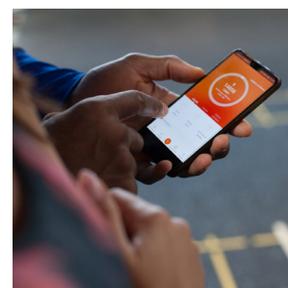
Patient Monitoring

Medical Devices

- Patient-monitoring systems
- Therapeutic and surgical equipment

Defense

- Unmanned vehicles
- Aircraft avionics



Smartphone



Smart Watches

Quad-Row Board-to-Board Connectors >

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: 30 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 Size: 32, 36 circuit
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

www.molex.com/link/quadrow.html