

Customer Presentation (Extension)

QUAD-ROW BOARD-TO-BOARD CONNECTORS

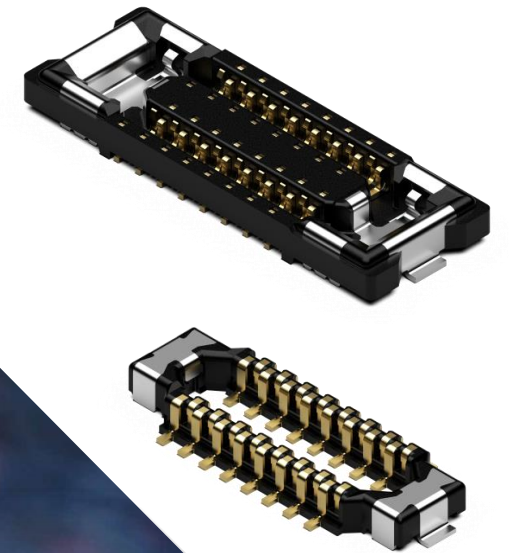
Adding more pin counts to Quad-Row Connectors for circuit expansion: As the demand for product miniaturization increases, designers want space savings without compromising their performance parameters for products. With these high-performance compact connectors, manufacturers can improve production efficiency and experience a simplified assembly process.

PRESENTER:

DATE:

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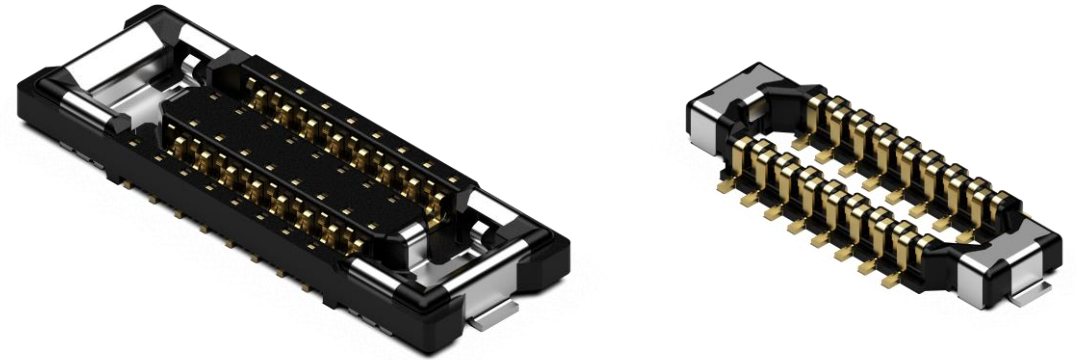


QUAD-ROW B-T-B CONNECTORS

Quad-Row Board-to-Board Connectors deliver excellent space savings in a range of space-constrained applications. These connectors allow manufacturers and designers who require compactness, easy mating, secure contact and superior reliability in challenging environments to achieve robust power in a highly compact package.

Key Product Information

Category:	Board-to-Board Connectors
Current:	0.3A Signal/3.0A Nail
Pitch:	0.175mm
Circuits:	20, 32, 36, 64
Operating Temps:	-40 to +85°C



[View Product Landing Page](#)

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Series

- 217716 (20, 64) Quad-Row Board-to-Board Receptacles
- 203389 (32, 36) Quad-Row Board-to-Board Receptacles
- 217717 (20, 64) Quad-Row Board-to-Board Headers
- 203390 (32, 36) Quad-Row Board-to-Board Headers

VITAL PRODUCT INFORMATION

Quad-Row Board-to-Board Connectors

What makes this product different from the competition?

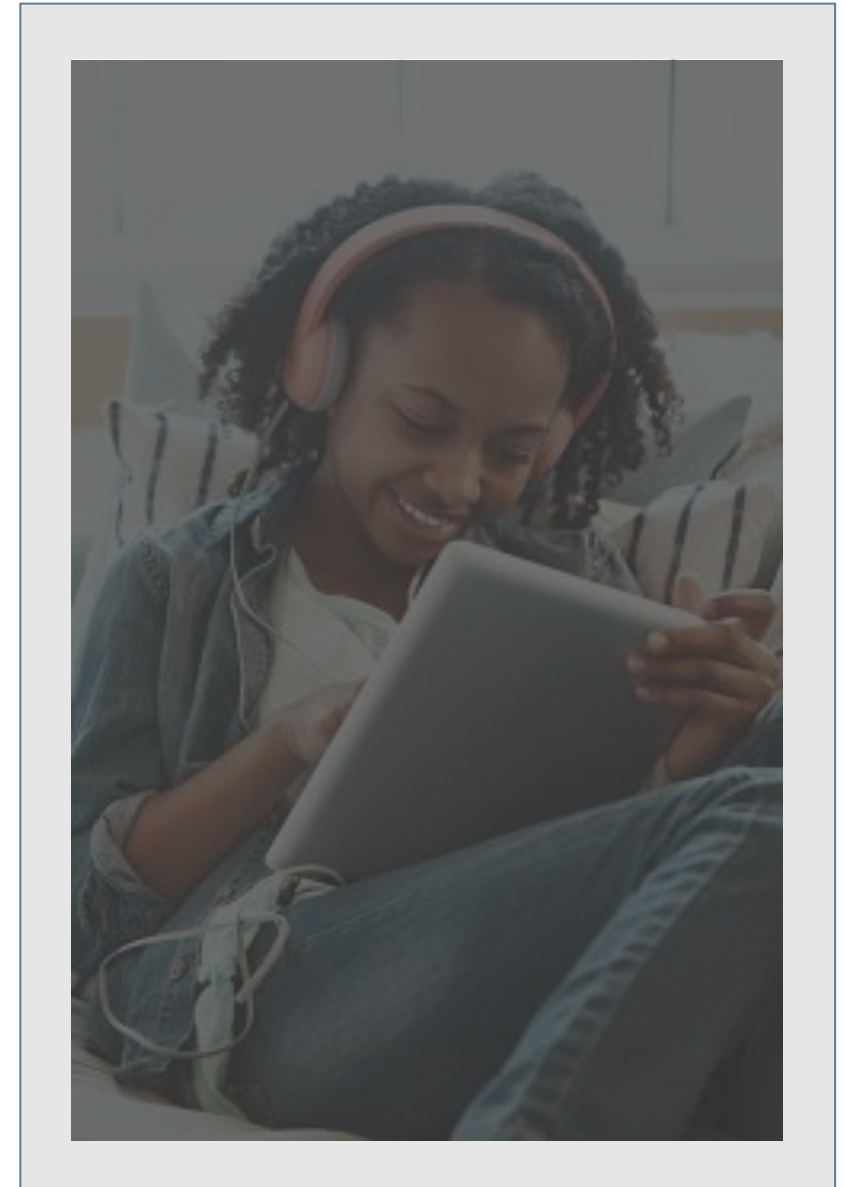
Molex has set a new standard in space-saving connections with the groundbreaking Quad-Row Board-to-Board Connectors, presenting the first-ever staggered circuit layout connector, which positions pins across four rows at a signal contact pitch of 0.175mm. The result offers 30% space savings over conventional connector designs while enabling high-density circuit connectivity.

How does this product/solution create value for our customers?

The 0.175mm pitch and 3.0A current rating meet customer requirements for high power in a compact design. The armored and insert-molded nail with an interior cover provides robustness. A bigger reel size (20,000 pcs/reel) facilitates improved production efficiencies. All these features can contribute to yield-rate improvement in the customers' processes.

What is the Molex advantage?

Global manufacturing capability, robust engineering support, and the latest and highest-performance components make Molex a unique partner in finding capability solutions.



VITAL PRODUCT INFORMATION



Easy Operability

Quad-Row Board-to-Board Connectors support standard SMT processes and feature an armored and insert molded nail with interior cover, providing robustness and preventing damage to connectors. To avoid the risk of connector damage, easy mating and unmating simplifies the assembly process and secure mating assurance lowers the fallout rate.

High Performance in a Compact Design

Engineers no longer have to choose between compactness and performance. As customers fulfill the market demand for product miniaturization, they can do so without compromising their performance parameters. Quad-Row Board-to-Board Connectors deliver excellent space-saving options for compact solutions.

Improved Productivity

Quad-Row Board-to-Board Connectors help to reduce waste and improve production efficiency. Consumer device customers can adopt lean production for improved productivity.

MARKETS AND APPLICATIONS



Tablets

Mobile Devices

- Smartphones
- Tablets



Smart Watches

Wearables

- Smart watch
- Smart glasses
- Earbuds
- Virtual Reality

PRODUCT FEATURES AND ADVANTAGES

Offers tremendous space savings and enables high-density circuit connectivity

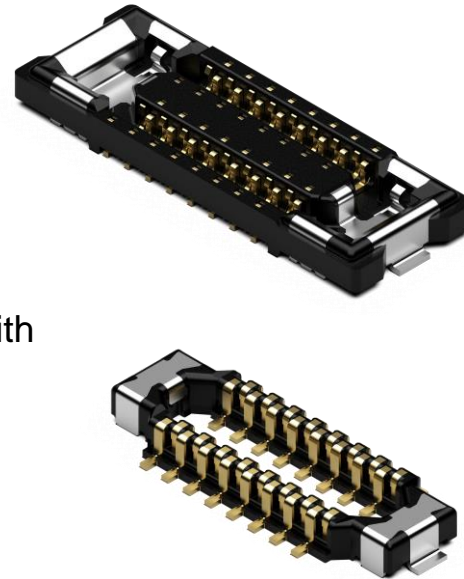
A staggered-circuit layout positions pins across four rows at a signal contact pitch of 0.175mm

Delivers increased strength for more reliable performance

Customers can avoid the risk of connector damage during mating process with easy operability

Reduces wastes and improves productivity

The bigger reel size facilitates high-volume production with the same resources for increased efficiency.



Key Specifications

Current	3.0A
Voltage	50V
Circuits	20, 32, 36, 64
Pitch	0.175mm
Operating Temperature	-40 to +85°C



THANK YOU

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