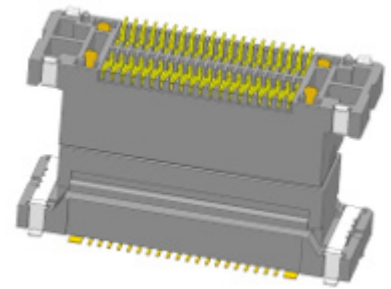


High-Power 1.00mm-Pitch Floating Board-to-Board Connector

Molex High-Power 1.00mm-Pitch Floating Board-to-Board Connectors deliver reliable and safe connectivity to next-generation electric powertrain motor control units (MCUs)

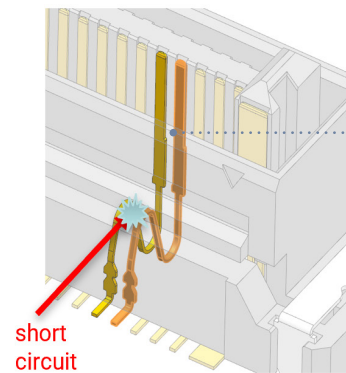
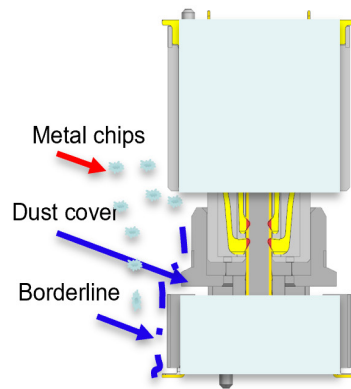


Mated High-Power 1.00mm-Pitch Floating Board-to-Board Connector

FEATURES AND ADVANTAGES

Full terminal cover option available

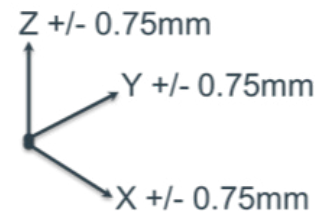
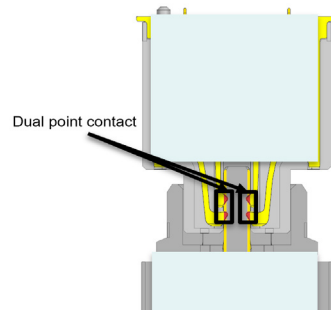
Maintains cleanliness for proper performance of the MCU. Prevents ingress of debris, such as tiny metal chips, which could cause shorting



1.00mm pitch
Has a wide pitch to prevent terminals from short-circuiting

Dual contact and deep wipe length (1.75mm, ±0.75mm)

Delivers reliable connectivity

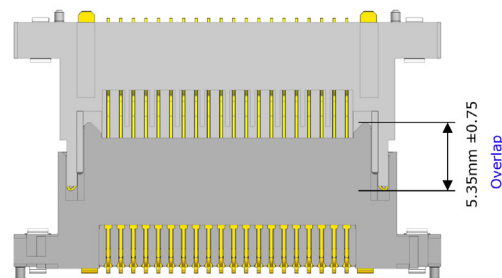
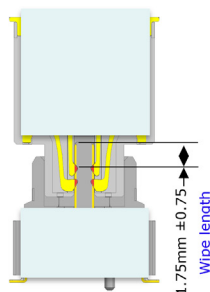


Wide floating range

Offers ±0.75mm float in the x, y and z axes

Generous wipe length and overlap when connectors are mated

Ensures stability of signal transmission even during extreme vibration



High-Power 1.00mm-Pitch Floating Board-to-Board Connector >

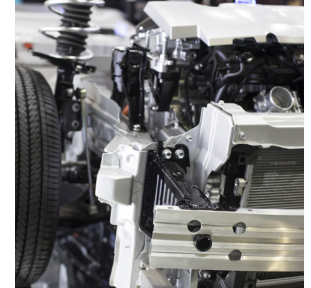
MARKETS AND APPLICATION

Automotive

Electrified powertrain MCUs



Electric Car



Electrified Powertrain

TARGET SPECIFICATIONS

| Features | Items | Specifications |
|---------------|----------------------------|---|
| Environmental | Vibration classification | USCAR V2 |
| | Temp. classification | -40 to 125°C |
| Mechanical | Floating / rigid side size | 11.50 by 32.00mm (40 circuits) |
| | Floating (X, Y, Z) | +/- 0.75mm |
| | Alignment | +/- 1.50mm |
| | Contacts type | Dual Contacts |
| | Wipe length | 1.75 +/- 0.75mm |
| Electrical | IR and DWV | IR (100 Megohm) DWV (1000V AC) |
| | Rated voltage / current | 100V / 0.5A |
| | Data type and rate | Low speed |
| | Anti-metal dust design | Dust cover |
| Configuration | Pitch | 1.00mm |
| | Circuits | 20 / 40 / 60 / 80 |
| | Stacking height | 14.00 / 16.00 / 18.00 / 20.00 / 22.00 / 24.00 / 26.00 / 28.00 / 3.000mm |
| Option | Power pin | 6.0A |

Note: Molex reserves the right to delay or cancel production of the depicted product without additional notice. Please contact your Molex customer service representative for product availability.

www.molex.com/link/highpowerbtob.html