

SlimStack Board-to-Board Connector, 0.35mm Pitch, 0.60mm-Height, Full-Armor ACB6 Plus Series >

SlimStack Board-to-Board Connectors, 0.35mm-Pitch, 0.60mm-Height, Full-Armor ACB6 Plus Series, deliver excellent performance with up to 5.0A power-nail and full-armor housing protection. Together with mating guidance and electrical contact assurance, these connectors ensure superior reliability in challenging applications.

ADVANTAGES AND FEATURES

Meets customers' requirements for high power in a compact package

Power nail structure enables power delivery up to 5.0A for high-current demands.

Helps prevent housing damage during assembly performance in harsh environments

Full armor design wraps connector from inside and outside, protecting it from environmental hazards.

Provides easy mating for better work efficiency and a reduction in housing damage

A wide alignment enables easier connector mating by guiding connectors into proper placement, helping prevent connector damage.

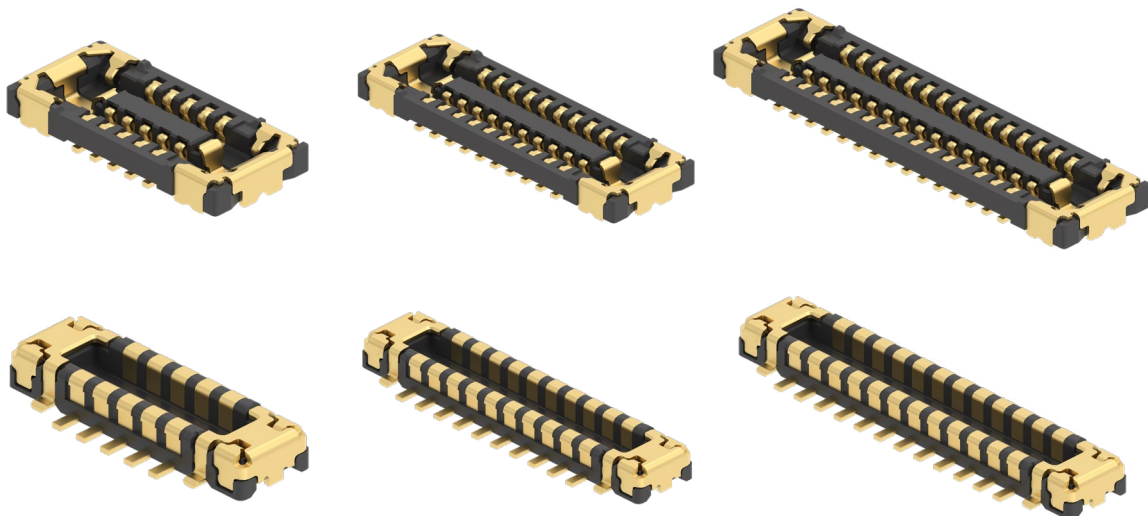
Pitch	0.35mm
Mated Height	0.60mm
Width	1.90mm
Circuits	10 to 60

Helps prevent solder wicking and interference, and delivers a reliable connection

The contact area is separated from solder area, and the terminal and nail are separated with a nickel barrier, helping prevent solder interference with the connection; gold flash on the plug nail and the contact terminal also help minimize solder wicking.

Helps prevent short circuits

With sufficient distance between the nail and signal contact, arcing is avoided for electrical reliability.

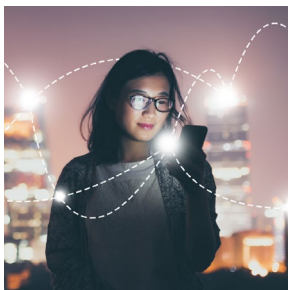


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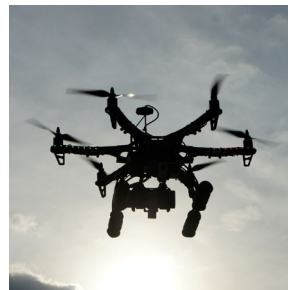
MARKETS AND APPLICATIONS

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



Smartphones



Drones



Patient Monitoring Devices

Medical Devices

Patient monitoring devices
Therapeutic and surgical equipment

Defense

Unmanned vehicles
Aircraft avionics

SPECIFICATIONS

Reference Information

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

Electrical

Voltage (max.): 60V
Current (max.): 0.3A/pin for terminal
5.0A for power nail
Contact Resistance:
Signal Contact: 80 milliohms
Nail Contact: 15 milliohms
Dielectric Withstanding Voltage: 250V AC
Insulation Resistance: 100 Megohms

Mechanical

Pitch: 0.35mm
Mated Height: 0.60mm
Width (Receptacle): 1.90mm
Length (Receptacle):
Total pitch + 2.80mm
Robustness (interior cover): yes
Number of Contacts: dual contacts
Alignment: 0.33mm for pitch and span
Circuit Sizes: 10 to 60

Physical

Insertion force (max.):
45N for 10 to 50P
60N for 52 to 60P
Withdrawal force (min.) 0.25N/pin for each circuit
Temperature Rise (max.): 30°C
Temperature Rise Range: -40 to 85°C

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