Floating Board-to-Board Connectors

GC04Series



CGAC204-B001
Fixed Side



GGAC201-B003
Floating Side

The GC04 series floating connector features a hybrid structure design of power and signal terminals, providing high current transmission (6A) and supporting high-speed (8G) data transmission. The connector is compact, highly reliable, and suitable for use in confined spaces and harsh environments.

Product Features

- Pitch: 0.50mm
- Mounting Method: 90-Degree Straight Insertion
- Number of Pins: 30/40/60/80/100/120/140
- Mating Height: 20mm
- Effective Mating Height: 19-21mm
- X/Y Axis Floating Range: +/-0.50mm
- High-Speed Transmission: 8Gbps
- Current: Power Pins - 6A/Pin; Signal Pins - 0.5A/Pin
- Withstanding Voltage: 200V/AC
- Operating Temperature: -40 - 105°C

Materials

Insulation Material: LCP UL94-VO (Black)
Contact Material: Copper Alloy
Plating: Nickel 1.27μm (Min)
Contact Area - Gold 0.1μm
Solder Area - Gold 0.02μm

Applications

Automotive Domain Control Systems, CT Scanners, Digital Cameras, Gaming Devices, Industrial Robots, Surveillance Cameras

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