

Compression Connectors

SINGLE-PIECE COMPRESSION-TYPE SURFACE MOUNT CONNECTORS

Amphenol Communications Solutions offers compression-type surface mount connectors to provide power and signal connection between either two PCB modules or one PCB and an electrical module. The single-piece small footprint solution brings cost and space savings to the design of smaller and more economical consumer electronic devices.

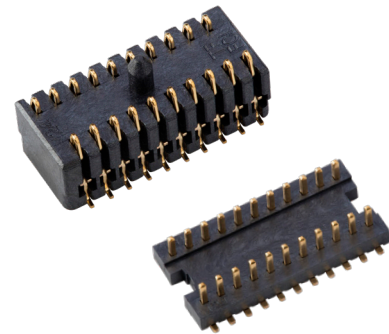
We offer solutions with scalable positions, contact pitch sizes, and working heights with a choice of single or double row adds to design flexibility. And, these connectors can withstand up to 50G shock with no disruption to electrical connectivity when subject to frequent shock and vibration.

For electrical performance, it features a maximum current rating of 1A per contact, voltage rating at 250 VAC, and Low Level Contact resistance of less than 20mΩ max.

This product range supports Storage, Consumer, and Communication application. Besides adopting the compression connectors in the HDD application, we have also designed compression connectors for used In-Flight internet systems, Door detection in Server platforms, Cartridge board for Inkjet printers, and any other market needs.

FEATURES

- 18 to 28 positions
- Locating peg option
- Plating options: Gold, Tin or PdNi
- 2.90 to 7.30mm connector heights
- 1.20 to 1.50mm pitch sizes

NEW


TARGET MARKETS



BENEFITS

- Accommodates a variety of design and application needs
- Simplify positioning even in manual assembly condition
- Caters to the different application needs
- Serves applications with space constraints
- Suitable for a variety of PCB footprint designs

TECHNICAL INFORMATION

MATERIAL

- Terminal: Copper Alloy
- Housing: High Temperature Thermoplastic (UL94V-0)

ELECTRICAL PERFORMANCE

- Contact Resistance: 30mΩ
- Current Rating: 1.0A per contact
- Voltage Rating: 250V

MECHANICAL PERFORMANCE

- Durability: 25 mating cycles

ENVIRONMENTAL

- Temperature Life: High Temperature Life test in accordance to MIL-STD-202-G
- Mechanical Shock: In accordance to EIA-364-27
- Operating Temperature Range: -55°C to +105°C

APPROVALS AND CERTIFICATIONS

- UL

SPECIFICATIONS

- Amphenol Product Specification: GS-12-1292

PACKAGING

- Tape and Reel

TARGET MARKETS/APPLICATIONS



In-flight Entertainment Systems



Printers



Hard Disk Drives
Solid Disk Drives