

PC/104 & PC/104 Plus Connector

RUGGED, MODULAR, AND COMPACT EMBEDDED COMPUTER CONNECTOR

PC/104 is an embedded computer standard defined by its compact footprint. The specification is based on the 104 signal contacts on the two bus connectors (64 pins on P1, plus 40 pins on P2). PC/104 and PC/104 Plus are modular, ruggedized versions of the PC 2.54mm pitch and PC 2.00mm pitch respectively. Instead of using a backplane, PC/104 modules mate together via stackable ISA, PCI, and PCIe® bus connectors. PC/104 modules can be connected or stacked like building blocks. A PC/104 stack might include a CPU (single board computer), a power supply module, and peripheral modules such as data collection modules, network modules, or storage devices.

- Easy to use
- Embedded computer standard
- Allows stacking of peripheral boards
- Powerful data processing and collection performance in a compact footprint
- Interoperable



TARGET MARKETS



FEATURES

- Allows stacking of peripheral boards
- Powerful data processing and collection performance in a compact footprint
- PC/104 modules are designed to work together with modules from multiple manufacturers
- Features press-fit tail

BENEFITS

- Application flexibility
- Saves PCB space
- Promotes interoperability
- No soldering operation needed

TECHNICAL INFORMATION

MATERIAL

- Phosphor bronze alloy for terminals
- PPS & PA plastic
- Gold plating over nickel

ELECTRICAL PERFORMANCE

- Current Rating: From 1A to 3A under rated voltage 12V DC (depending on part version)

SPECIFICATIONS

- Amphenol Product Specification:
 - GS-12-1541 & GS-12-1542 (PC104)
 - GS-12-1543 & GS-12-1544 (PC104 Plus)

ENVIRONMENTAL

- Operating Temperature Range: +40°C to +105°C

APPROVALS AND CERTIFICATIONS

- UL

PACKAGING

- Tube

TARGET MARKETS/APPLICATIONS



Communication



Industrial Monitoring
Embedded Computing

PART NUMBERS

Description	Part Numbers
PC/104 Plus 2.00mm pitch 4 times 30 positions for stack through applications	10153304
PC/104 Plus 2mm pitch 4 times 30 positions press fit end for stack through application	10153305
PC/104 Plus 2.00mm pitch 4 times 30 positions for non stack through application	10153303
PC/104 2.54mm pitch 20 positions, 32 positions and 20+32 positions for stack through or non stack through application	10153301
PC/104 2.54mm pitch 20 positions, 32 positions and 20+32 positions press fit for stack through or non stack through application	10153302