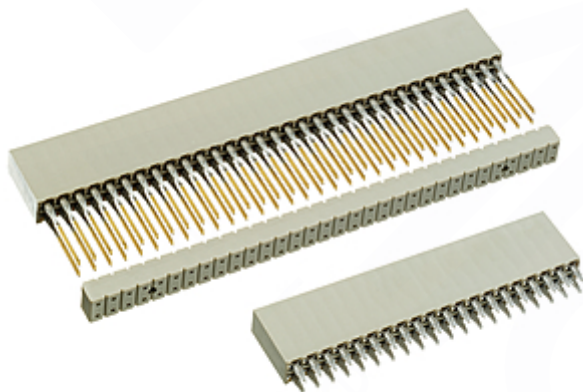


PC/104, PC/104-Plus

Top Quality with a Proven Form Factor PC/104 and PC/104-Plus are standardizations for computer-on-modules (COM), which are used in industrial computers. In contrast to other form factors, the modules are stacked, so they can be connected to build complex computer systems. Both PC/104 and PC/104-Plus offer complete hardware and software compatibility despite extremely small form factors (96 mm x 90 mm) with a standardized bus system (ISA). This standardization makes it possible for different PC/104 cards to be used together in order to fulfill a specific performance requirement.



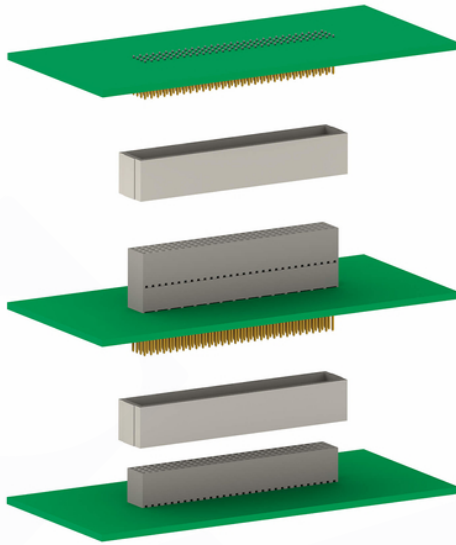
Features

- Tried and proven press-fit technology with Tcom press®
- PC/104-Plus also available with 22-mm pitch
- Shrouds as accessories
- The pin count and/or mechanical load capacity can be modified
- Pitch of 2.54 mm

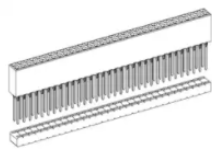
Applications

- Board-to-board distances of 15.24 mm and 22 mm

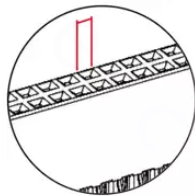
Features



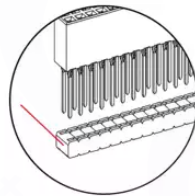
The PC/104 and PC/104-Plus connectors offer the proven press-fit technology Tcom press® from ept. This means it is possible to have board-to-board distances of 15.24 mm and 22 mm. The number of contacts and/or mechanical load capacity can be modified, giving you the opportunity to develop complete custom solutions.



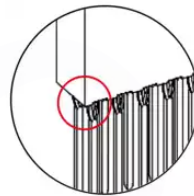
*PC/104 2-row
detail overview*



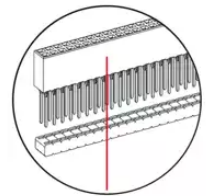
2.54 mm pitch



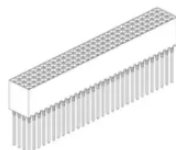
guiding plastic



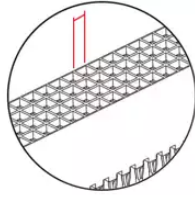
*press-fit zone Tcom
press®*



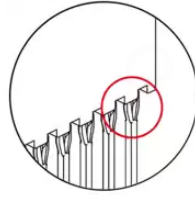
PBT



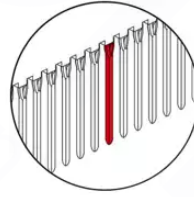
*PC/104-Plus 4-row
detail overview*



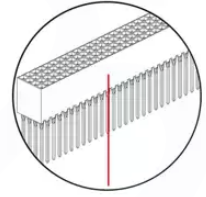
2 mm pitch



*press-fit zone Tcom
press®*



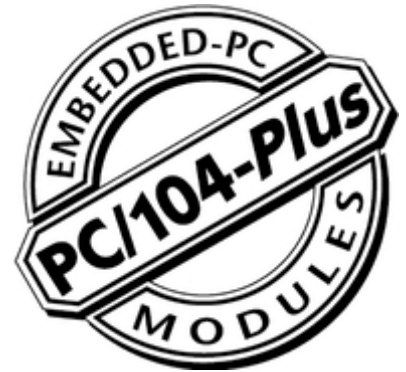
connection contacts 12mm



PBT

The PC/104 and PC/104-Plus standard:

Constant advances in component performance made it necessary to expand the PC/104 system to include a faster bus system. As a result, a PCI bus was added to the PC/104 system. This addition is referred to in the specification as PC/104-Plus.



PC/104 and PC/104-Plus connectors

The PC/104 bus consists of two parallel connectors with 40 and 64 pins and a pitch of 2.54 mm, whereas the PC/104-Plus already has 120 pins spaced at a distance of 2.00 mm and arranged in four rows.

Several boards can be conveniently stacked on top of each other (see illustration) by using connectors with the rear mating zone (long pins) in press-fit technology. The distances specified by the PC/104 consortium are maintained by using spacers and shrouds. This eliminates the additional need for spacer bolts.