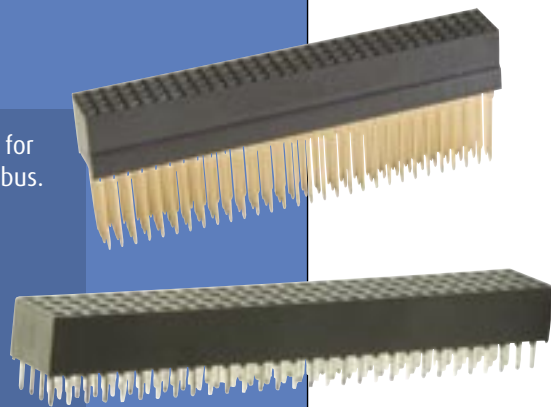


PC/104 Plus Connectors

A range of bus connectors compatible with the PC/104 industry standard for embedded pc applications, designed for stacking boards with a common bus.

- Supports PCI bus.
- PC/104 also available (2.54mm pitch). See page 58 for details
- Shroud is used to protect the square tails of stackthrough connectors and is fitted to the underside of the PC board after soldering.
- Shroud ensures alignment of the tails with the mating receptacle. Self-retains by latching into the four mounting holes.



SPECIFICATION

MATERIALS:

Mouldings: High Temperature Nylon or PPS, UL94V-0

Contacts: M22-602: Brass
Others: Phosphor Bronze

Finish: See order code

ELECTRICAL

Current rating: Solder Tail – 1A
Press-Fit Tail – 2A max

Voltage rating: 12V DC

Voltage proof: 500V AC

Contact resistance:

30 milliohms max

Insulation resistance:

1,000 Megohms min

ENVIRONMENTAL

Temperature Range:
-40° to +105°C

MECHANICAL

Durability: Mating – 10 operations
Press-fit – 3 operations

Insertion force:

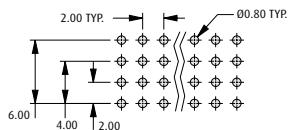
M22-603: 1.6N avg per contact
Others: 1.2N max per contact

Withdrawal force:

M22-603: 1.4N avg per contact
Others: 0.2N max per contact

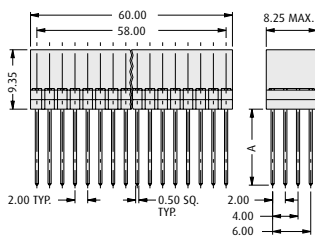
Insertion force to board (max):

Press-Fit: 60N per contact

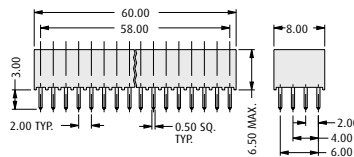


Recommended PC Board Pattern

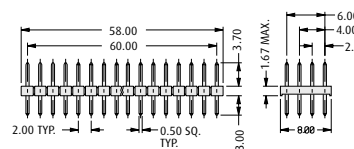
PC/104 PLUS CONNECTOR



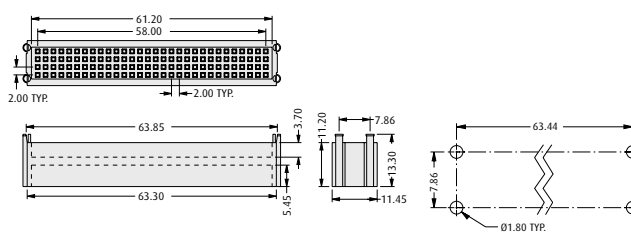
PC/104 PLUS POST HEADER RECEPTACLE



PC/104 PLUS POST HEADER



PC/104 PLUS SHROUD



Recommended PC Board Pattern

PC/104 SPACER

LENGTH	ORDER CODE
0.6"/15.24mm	R6104-02

HOW TO ORDER

M22 - 60 X 30 XX

SERIES CODE

CONNECTOR TYPE

0	Stackthrough Connector (A=12.0mm)
1	Non-Stackthrough Connector (A=2.3mm)
2	Post Header
3	Post Receptacle
4	Shroud
5	Press-fit Stackthrough Connector (A=12.0mm)
6	Press-fit Non-Stackthrough Connector (A=2.3mm)

FINISH

05	Gold (M22-600,601,605,606)
22	Gold + Tin/Lead (M22-602,603)
42	Gold + Tin (M22-602,603)
98	Moulding (M22-604)

NO. OF WAYS PER ROW

30

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