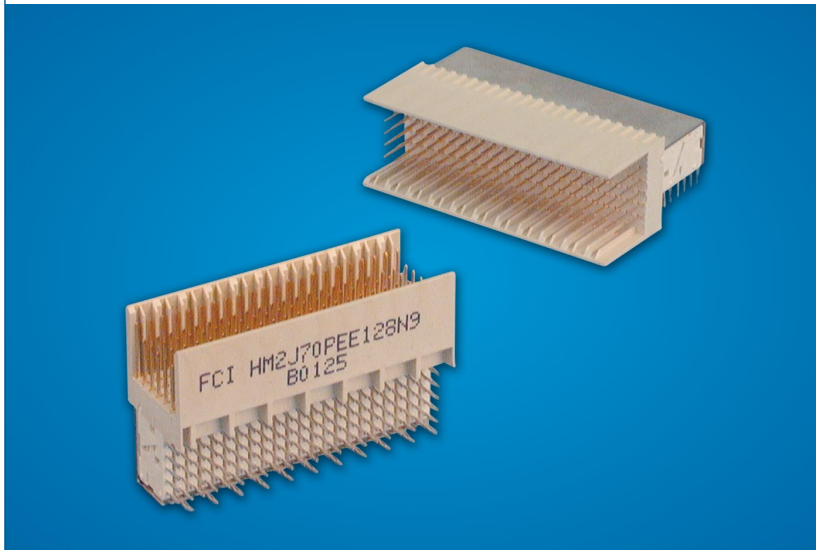




Millipacs® Hard Metric - 5 Row Male Right Angle Modules

Interconnection System



Description

FCI introduces 5+1 row Male Right Angle series in the standard signal modules A, B & C and also B19 & B22 sizes for CompactPCI compatibility. The top shield row is optional.

Pin layout configurations are available to support cPCI modules for standard form factors.

This system is designed for applications requiring co-planar board-to-board connection within the normal Hard Metric Millipacs environment. When used in conjunction with Right Angle Receptacles, this system is suitable for Extender or Test Card designs.

In addition to co-planar design, these Right Angle Headers can also be used in applications that require an indestructible BackPlane (i.e. where any risk of BackPlane Pin damage is unacceptable). Vertical receptacles can be used in place of Vertical Headers on the the BackPlane and Right Angle Headers are used on the Daughter Cards (requires a slight PCB dimensional adjustment).

The standard Millipacs® 2 mm Hard Metric Interconnection System consists of 5+2 and 8+2 row connector families compliant with the IEC specifications.

<http://www.fciconnect.com>

Features & Benefits

- cPCI compatible
- Press fit terminations
- Integrated top shield options
- Customized loading patterns
- Flat Rock tooling insertion process

Target Markets

- cPCI users requiring Reverse Gender
- Telecom
- Datacom
- Test equipment & Industrial Instrumentation
- Medical

Target Applications

- Extender Cards
- Test Cards
- Reverse Gender Backplanes

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Europe Tel.: 33 1 39 49 21 83
Asia/Pacific Tel.: 65 549 6666



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Technical Features

Materials

- Housings: Glass filled, high temperature LCP
- Contacts: Phosphor bronze
- Plating: Selective gold over nickel all over, tin-lead on press fit areas

Electrical Performance

- Operating temperature: -55°C to +125°C
- Current rating: 1.5 A at 20°C, 1.0 A at 70°C
- Insulation resistance: 10⁴ MΩ min.

Part Numbers

Millipacs® reverse gender modules

Description	Right Angle module	Tooling
type A non shielded	HM2J07PE5110N9	Flat rock
type A top shielded	HM2J07PE5118N9	Flat rock
type B non shielded	HM2J08PE5110N9	Flat rock
type B top shielded	HM2J08PE5118N9	Flat rock
type B22 non shielded	HM2J70PE5110N9	Flat rock
type B22 top shielded	HM2J70PE5118N9	Flat rock
type B19 non shielded	HM2J71PE5110N9	Flat rock
type B19 top shielded	HM2J71PE5118N9	Flat rock
type C non shielded	HM2J09PE5110N9	Flat rock
type C top shielded	HM2J09PE5118N9	Flat rock

* customized loading patterns on request, check with marketing for availability.

cPCI reverse gender modules

Description	cPCI stub header	cPCI Right Angle module	Remark
type A	HM2P07PDG1A1N9	HM2J07PEG1A8N9	P1, P4 module
type B22	HM2P70PDE121N9	HM2J70PEE128N9	P2, P5 module
type B19	HM2P71PDE121N9	HM2J71PEE128N9	P3 module

Mechanical Performance

- Mating force: 0.75 N max. per contact pair
- Withdrawal force: 0.15 N min. per contact pair
- Normal force: 0.75 N min. (EOL)

Specifications

- Products fully in accordance with IEC 61076-4-101, but not included in the specification as of this date
- Drop-in replacement for similar competitors' products

Approvals & Certifications

- UL and CSA approval pending

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