

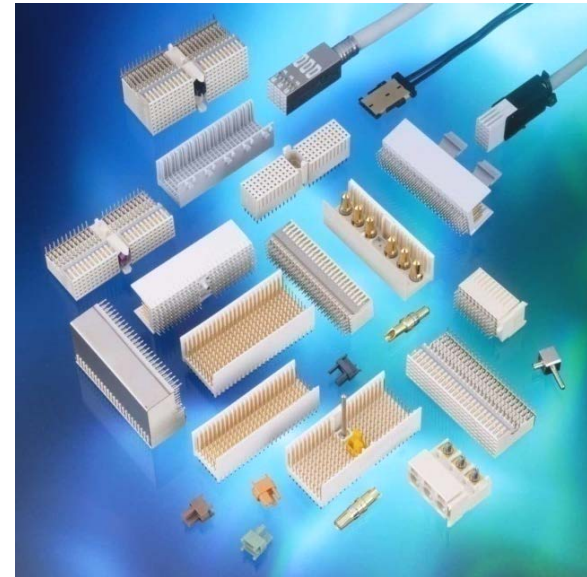


**Millipacs® 2mm Hard Metric  
Compact PCI Application  
Product Presentation**

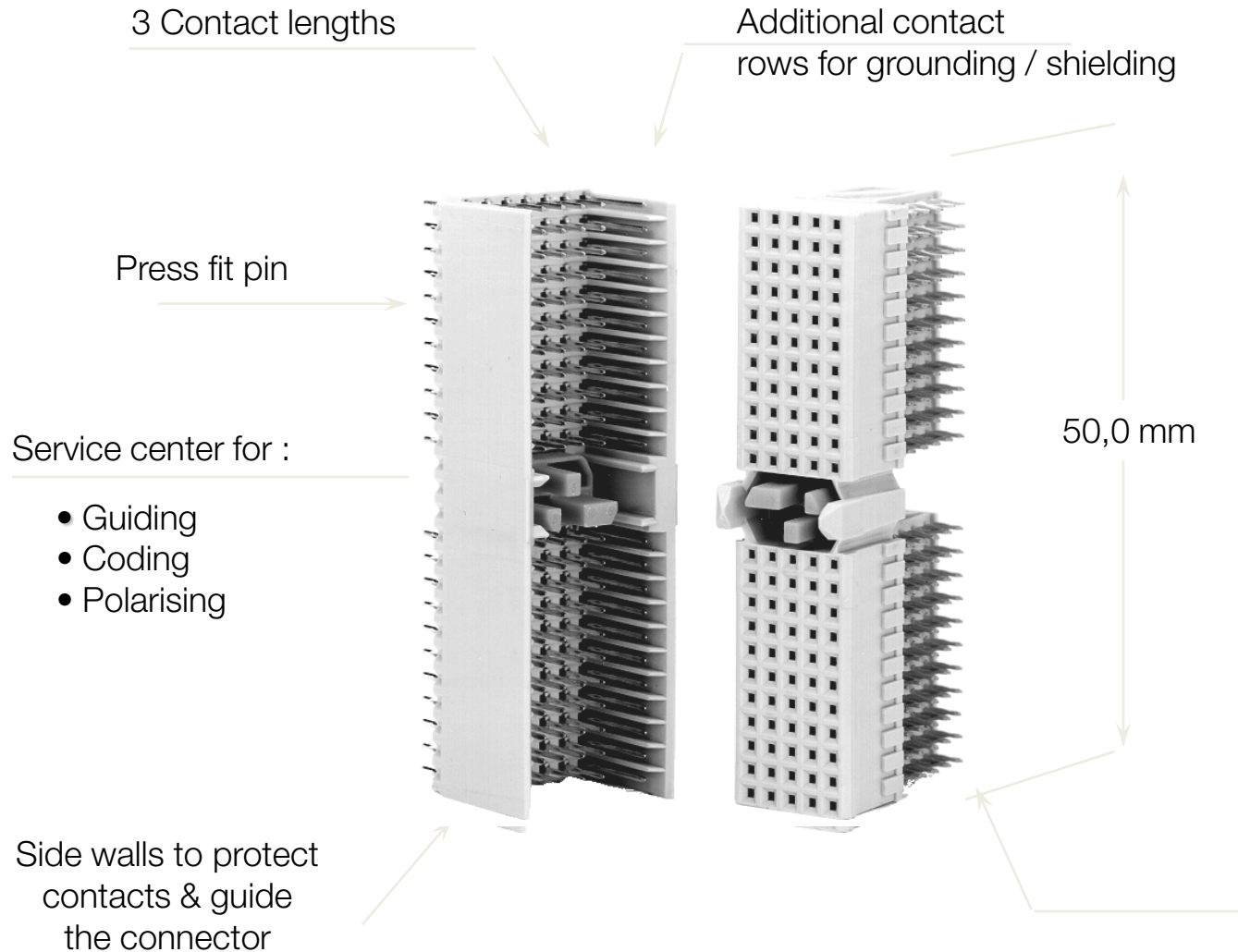


# Overview

- Millipacs® 2mm HardMetric Connectors fulfills the interconnection requirement of Compact PCI bus architecture
- Compact PCI Millipacs connectors are designed in accordance to IEC 61076-4-101
- Millipacs Hard Metric Connectors covers the entire range of range of 2mm connectors required by Compact PCI Board
  - Vertical Headers
  - Right Angle Receptacles
  - Backpanel Shrouds
  - Colour coding Keys



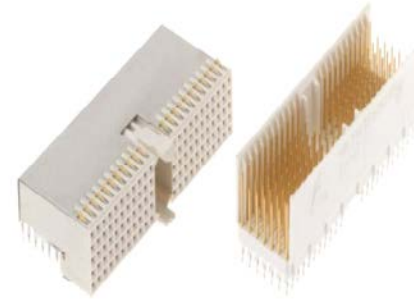
# 2.0mm Hard Metric Compact PCI Interconnect System



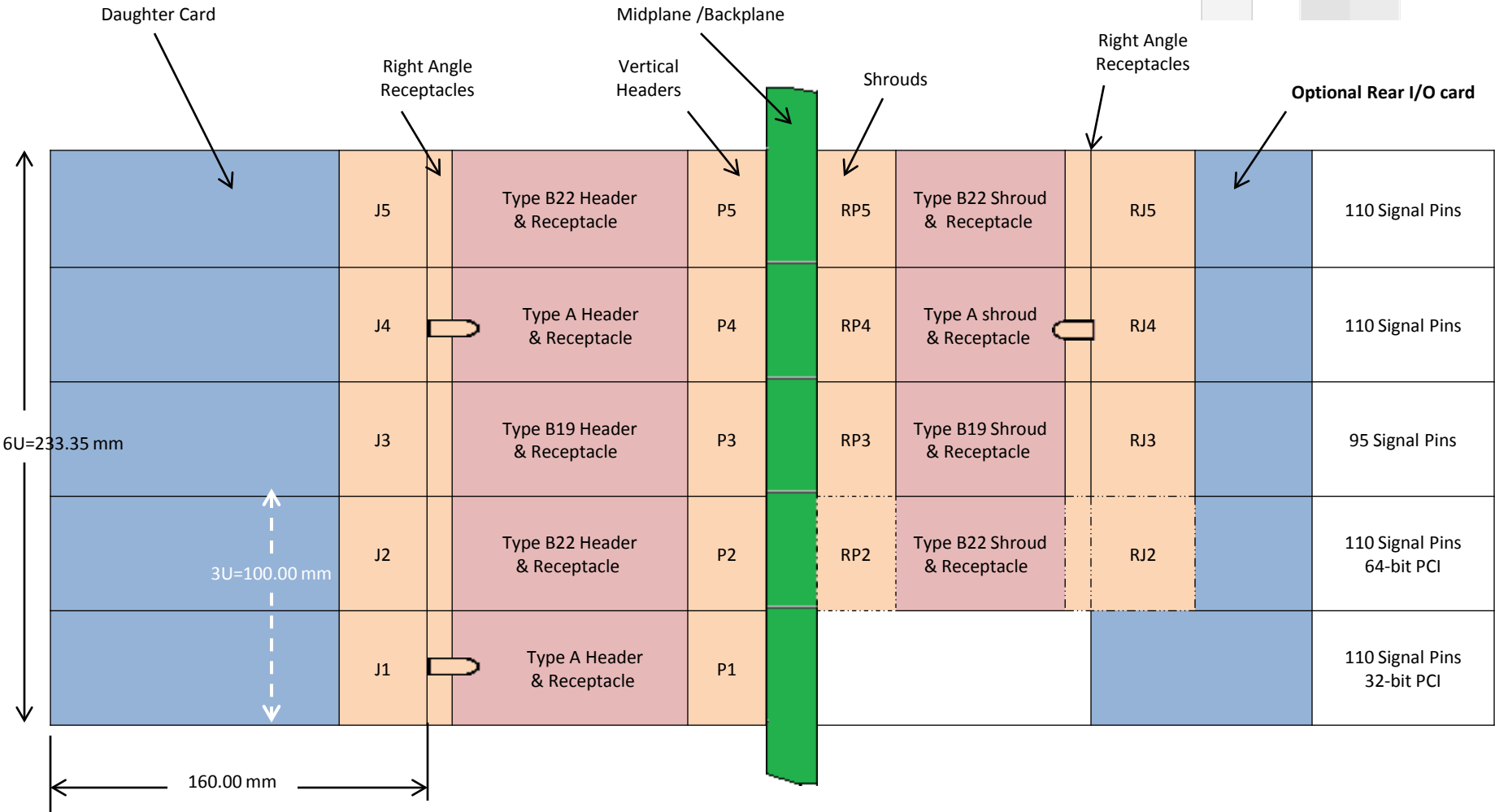
# Compact PCI Millipacs® Range



- Vertical Headers
  - Type A,B 22, B19,AB22 & AB19
- Right Angle Shielded Receptacles
  - Type A,B22, B19,AB22 & AB19
- Shrouds
  - Type A,B22, B19,AB22 & AB19
- Accessories
  - Coding Keys



# Compact PCI Packaging Applications

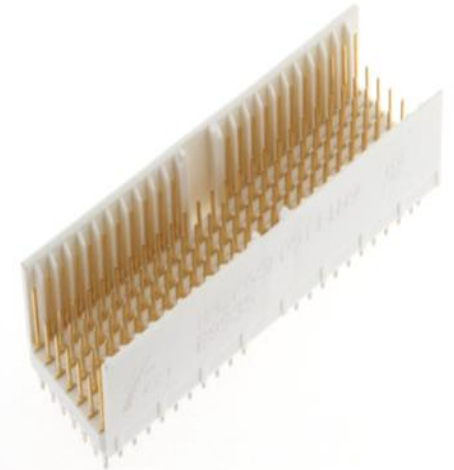


# Vertical Header



## Features

- Modular and scalable by 25 mm to 50mm
- Three levels of mating contact lengths and different terminal lengths.
- Multipurpose center, Guiding feature and Location peg
- Two outer rows
- Different length contacts at any position



## Benefits

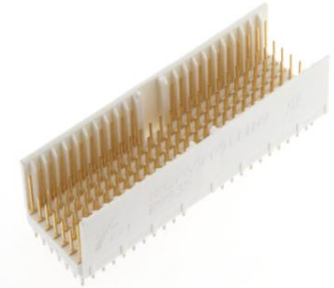
- Standard modular length, without any loss of position
- Suitable for various applications with different PCB thickness, rear plug up applications, Hot Swapping
- Easy guiding and location of Connectors
- Shielding
- Custom loading

# Vertical Header

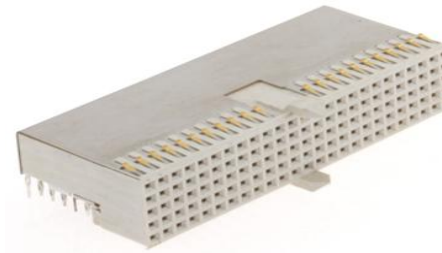
## Part Number Logic



Headers with Straight Press fit termination			
Type	FCI Part Number	Pins	Compact PCI Backplane Location
A	HM2P07PDG1A1N9LF	110	P1,P4
A	HM2P07PME124GFLF	110	P1,P4
A	HM2P07PN5114GFLF	110	P1,P4
A	HM2P07PDU1A1N9LF	110	P1(Hot Swap)
B22	HM2P70PDE121N9LF	110	P2,P5
B22	HM2P70PME124GFLF	110	P2,P5
B22	HM2P70PME129GFLF	110	P2,P5
B22	HM2P70PN511CGFLF	110	P2,P5
B19	HM2P71PDE121N9LF	95	P0,P3
B19	HM2P71PME124GFLF	95	P0,P3
B19	HM2P71PN5114GFLF	95	P0,P3
B19	HM2P71PME125GFLF	95	P0,P3
B19	HM2P71PN5115GFLF	95	P0,P3
A	HM2P07PDW145N9LF	84	Computer Telephony
B22	HM2P70PMW1N5GFLF	110	Computer Telephony



# Right Angle Receptacle



## Features

- Modular and Scalable by 25 mm to 50mm
- 2-beam tulip contact
- Multipurpose center, Guiding feature
- Stamped contacts
- Blank position feasibility
- Two outer rows

## Benefits

- Standard Modular length, without any loss of position
- Equalized signal path and contact reliability
- Easy guiding and visual identification. Prevents wrong mating
- Accurate True Position
- Custom loading
- Shielding

Receptacles with Right Angled Press-Fit termination			
Type	FCI Part Number	Pins	Compact PCI Card Location
A	HM2R10PA5108N9LF	110	J1,J4,RJ4
B22	HM2R70PA5108N9LF	110	J2,RJ2,J5,RJ5
B19	HM2R71PA5108N9LF	95	J3,RJ3,J0(VME 64 ext),RJ0(VME 64 ext)
A	HM2R10PACA39N9LF	90	Computer Telephony
AB19	HM2R67PA5108N9LF	95	R3,RJ0
AB22	HM2R66PA5108N9LF	110	RJ2,RJ5



# Backplane Shrouds



## Features

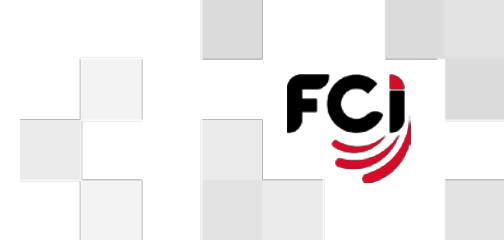
- Shroud retention by forced-fit over the long tails of vertical headers/ receptacles for RPU applications.
- Integrated Multipurpose center for polarization, guiding and coding
- Stand-off for different shroud heights

Backplane Shrouds		
Type	FCI Part Number	Compact PCI Backplane Location
A	HM2H07P1XXLF	RP4
B19	HM2H71P1XXLF	RP3,RP0
B22	HM2H70P1XXLF	RP2,RP5
AB22	HM2H66P1XXLF	RP2,RP5
AB19	HM2H67P1XXLF	RP3,RP0(VME 64 Ext)

## Benefits

- No mounting hardware
- Easy guiding and visual identification. Prevents wrong mating
- Flexibility on Backplane thickness

# Coding Keys



## Features

- Polarization
- Well defined colors

FCI Part Number	Description	Colour	Backplane Identification
HM2DK3456PLF	For Header Connector	Cadmium Yellow	3.3V
HM2DK1278RLF	For Receptacle Connector	Cadmium Yellow	3.3V
HM2DK1567PLF	For Header Connector	Brilliant Blue	5.0V
HM2DK2348RLF	For Receptacle Connector	Brilliant Blue	5.0V
HM2DK1248PLF	For Header Connector	Strawberry Red	Computer Telephony
HM2DK3567RLF	For Receptacle Connector	Strawberry Red	Computer Telephony

## Benefits

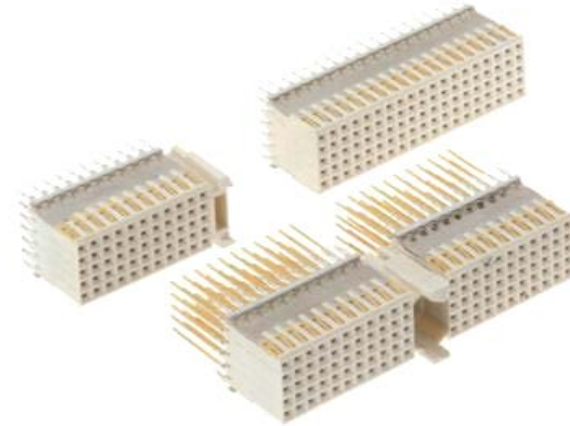
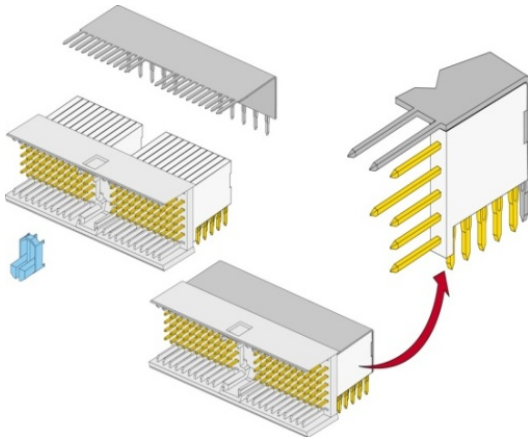
- Prevents incorrect insertion of PCBs and daughter cards
- Easy identification

# Reverse Gender Application

## Vertical Receptacles & Right Angle Headers



FCI also offers CPCI configurations in Reverse Type for customer specific requirements



# Market & Application



- Telecom : Switches, Servers, Routers, Radio Communications
- Test & Measurements : Data Acquisition
- Medical : MRI Scanners
- Transportation : Railway Traffic Management & Control Systems
- Industrial Automation : Control Systems for Process , Energy & Power Industries
- Avionics : In-flight Entertainment & Communication
- Instrumentation : Digital Image Processing, Multimedia, Singage, Video Surveillance
- Military : Radar, Sonar System, UAV



**THANK YOU**

