

# CPCI Serial Backplane



The nVent SCHROFF CompactPCI Serial backplanes support the highest data transfer rates with PCIe up to Gen 3, 10GbE, USB 3.0 and S-ATA Rev. 3.0

## CERTIFICATIONS



## FEATURES

Conforms to PICMG CompactPCI Serial (CPCI-S.0 R2.0) specification

Utility connector on rear of backplane

Mechanical centering and keying/coding strip in stainless steel on every fully equipped front and rear slot

## SPECIFICATIONS

Table 1/2

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type            | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|---------------------------|-------------|------------|
| 23007-621      | Backplane    | 1               | 3U          | CompactPCI Serial, No Bus |             | 4HP        |
| 23007-641      | Backplane    | 1               | 3U          | CompactPCI Serial, No Bus |             | 4HP        |
| 23007-681      | Backplane    | 1               | 3U          | CompactPCI Serial, No Bus |             | 4HP        |
| 23007-661      | Backplane    | 1               | 3U          | CompactPCI Serial, No Bus |             | 4HP        |

| CatalogNumber | Product Type | Number ofSlots | Rack Height | BackplaneType                                       | System Slot | Slot Width |
|---------------|--------------|----------------|-------------|-----------------------------------------------------|-------------|------------|
| 23007-642     | Backplane    | 2              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-653     | Backplane    | 3              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-682     | Backplane    | 2              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-643     | Backplane    | 3              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-654     | Backplane    | 4              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-644     | Backplane    | 4              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-655     | Backplane    | 5              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-683     | Backplane    | 3              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-645     | Backplane    | 5              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-693     | Backplane    | 3              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-636     | Backplane    | 6              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Right       | 4HP        |

| CatalogNumber | Product Type | Number ofSlots | Rack Height | BackplaneType                                       | System Slot | Slot Width |
|---------------|--------------|----------------|-------------|-----------------------------------------------------|-------------|------------|
| 23007-684     | Backplane    | 4              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-694     | Backplane    | 4              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-637     | Backplane    | 7              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Right       | 4HP        |
| 23007-605     | Backplane    | 5              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-627     | Backplane    | 7              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Left        | 4HP        |
| 23007-685     | Backplane    | 5              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-695     | Backplane    | 5              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |
| 23007-629     | Backplane    | 9              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Left        | 4HP        |
| 23007-628     | Backplane    | 8              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Left        | 4HP        |
| 23007-649     | Backplane    | 9              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-639     | Backplane    | 9              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Right       | 4HP        |
| 23007-676     | Backplane    | 6              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Right       | 4HP        |
| 23007-615     | Backplane    | 5              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Right       | 4HP        |

| CatalogNumber | Product Type | Number ofSlots | Rack Height | BackplaneType                                       | System Slot | Slot Width |
|---------------|--------------|----------------|-------------|-----------------------------------------------------|-------------|------------|
| 23007-667     | Backplane    | 7              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Left        | 4HP        |
| 23007-677     | Backplane    | 7              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Right       | 4HP        |
| 23007-668     | Backplane    | 8              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Left        | 4HP        |
| 23007-669     | Backplane    | 9              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Left        | 4HP        |
| 23007-689     | Backplane    | 9              | 3U          | CompactPCI<br>Serial with<br>Ethernet Full-<br>mesh | Left        | 4HP        |
| 23007-679     | Backplane    | 9              | 3U          | CompactPCI<br>Serial with<br>Ethernet Star          | Right       | 4HP        |

Table 2/2

| Catalog Number | Connector Type | Power Connector Type         | Utility Connector Type | Width  | Package Quantity | Quick Ship |
|----------------|----------------|------------------------------|------------------------|--------|------------------|------------|
| 23007-621      | AirMax VS      | Microfit                     | MicroMatch, 10-pin     | 19.3mm | 1                | No         |
| 23007-641      | AirMax VS      | Microfit                     | MicroMatch, 10-pin     | 19.3mm | 1                | No         |
| 23007-681      | AirMax VS      | Microfit                     | MicroMatch, 10-pin     | 19.3mm | 1                | No         |
| 23007-661      | AirMax VS      | Microfit                     | MicroMatch, 10-pin     | 19.3mm | 1                | No         |
| 23007-642      | AirMax VS      | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin     | 19.3mm | 1                | No         |
| 23007-653      | AirMax VS      | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin     | 60mm   | 1                | No         |
| 23007-682      | AirMax VS      | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin     | 39.6mm | 1                | No         |
| 23007-643      | AirMax VS      | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin     | 60mm   | 1                | No         |

| CatalogNumber | ConnectorType | Power ConnectorType          | Utility ConnectorType | Width   | Package Quantity | Quick Ship |
|---------------|---------------|------------------------------|-----------------------|---------|------------------|------------|
| 23007-654     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 80.3mm  | 1                | No         |
| 23007-644     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 80.3mm  | 1                | No         |
| 23007-655     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 100.6mm | 1                | No         |
| 23007-683     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 60mm    | 1                | No         |
| 23007-645     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 100.6mm | 1                | No         |
| 23007-693     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 60mm    | 1                | No         |
| 23007-636     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 120.9mm | 1                | No         |
| 23007-684     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 80.3mm  | 1                | No         |
| 23007-694     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 80.3mm  | 1                | No         |
| 23007-637     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 141.2mm | 1                | No         |
| 23007-605     | AirMax VS     | PwrBlade                     | MicroMatch, 10-pin    | 159.9mm | 1                | No         |
| 23007-627     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 141.2mm | 1                | No         |
| 23007-685     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 100.6mm | 1                | No         |
| 23007-695     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 100.6mm | 1                | No         |
| 23007-629     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 181.9mm | 1                | No         |
| 23007-628     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 161.6mm | 1                | No         |
| 23007-649     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 191.9mm | 1                | No         |
| 23007-639     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 181.9mm | 1                | No         |

| CatalogNumber | ConnectorType | Power ConnectorType          | Utility ConnectorType | Width   | Package Quantity | Quick Ship |
|---------------|---------------|------------------------------|-----------------------|---------|------------------|------------|
| 23007-676     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 120.9mm | 1                | No         |
| 23007-615     | AirMax VS     | PwrBlade                     | MicroMatch, 10-pin    | 159.9mm | 1                | No         |
| 23007-667     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 141.2mm | 1                | No         |
| 23007-677     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 141.2mm | 1                | No         |
| 23007-668     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 161.6mm | 1                | No         |
| 23007-669     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 181.9mm | 1                | No         |
| 23007-689     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 181.9mm | 1                | No         |
| 23007-679     | AirMax VS     | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin    | 181.9mm | 1                | No         |

## WARNING

nVent products shall be installed and used only as indicated in nVent's product instruction sheets and training materials. Instruction sheets are available at [www.nvent.com](http://www.nvent.com) and from your nVent customer service representative. Improper installation, misuse, misapplication or other failure to completely follow nVent's instructions and warnings may cause product malfunction, property damage, serious bodily injury and death and/or void your warranty.

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