

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 |
|----------------|--------------|-----------------|-------------|---------------------------|-------------|------------|
| 23007-661 | 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 |
| 23007-621 | Backplane | 1 | 3U | CompactPCI Serial, No Bus | | 4HP |

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|-------------------------------------------|-------------|------------|
| 23007-679 | Backplane | 9 | 3U | CompactPCI Serial with Ethernet Star | Right | 4HP |
| 23007-668 | Backplane | 8 | 3U | CompactPCI Serial with Ethernet Star | Left | 4HP |
| 23007-629 | Backplane | 9 | 3U | CompactPCI Serial with Ethernet Star | Left | 4HP |
| 23007-669 | Backplane | 9 | 3U | CompactPCI Serial with Ethernet Star | Left | 4HP |
| 23007-676 | Backplane | 6 | 3U | CompactPCI Serial with Ethernet Star | Right | 4HP |
| 23007-677 | Backplane | 7 | 3U | CompactPCI Serial with Ethernet Star | Right | 4HP |
| 23007-628 | Backplane | 8 | 3U | CompactPCI Serial with Ethernet Star | Left | 4HP |
| 23007-636 | Backplane | 6 | 3U | CompactPCI Serial with Ethernet Star | Right | 4HP |
| 23007-627 | Backplane | 7 | 3U | CompactPCI Serial with Ethernet Star | Left | 4HP |
| 23007-682 | Backplane | 2 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-683 | Backplane | 3 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-667 | Backplane | 7 | 3U | CompactPCI Serial with Ethernet Star | Left | 4HP |
| 23007-695 | Backplane | 5 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|-------------------------------------------|-------------|------------|
| 23007-655 | Backplane | 5 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |
| 23007-637 | Backplane | 7 | 3U | CompactPCI Serial with Ethernet Star | Right | 4HP |
| 23007-654 | Backplane | 4 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |

Table 2/2

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|-------------------------------------------|-------------|------------|
| 23007-653 | Backplane | 3 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |
| 23007-639 | Backplane | 9 | 3U | CompactPCI Serial with Ethernet Star | Right | 4HP |
| 23007-649 | Backplane | 9 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-645 | Backplane | 5 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-644 | Backplane | 4 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-643 | Backplane | 3 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-642 | Backplane | 2 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|-------------------------------------------|-------------|------------|
| 23007-685 | Backplane | 5 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-605 | Backplane | 5 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |
| 23007-689 | Backplane | 9 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-684 | Backplane | 4 | 3U | CompactPCI Serial with Ethernet Full-mesh | Left | 4HP |
| 23007-693 | Backplane | 3 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |
| 23007-615 | Backplane | 5 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |
| 23007-694 | Backplane | 4 | 3U | CompactPCI Serial with Ethernet Full-mesh | Right | 4HP |

Table 1/2

| Catalog Number | Connector Type | Power Connector Type | Utility Connector Type | Width | Package Quantity |
|----------------|----------------|------------------------------|------------------------|---------|------------------|
| 23007-661 | AirMax VS | Microfit | MicroMatch, 10-pin | 19.3mm | 1 |
| 23007-641 | AirMax VS | Microfit | MicroMatch, 10-pin | 19.3mm | 1 |
| 23007-681 | AirMax VS | Microfit | MicroMatch, 10-pin | 19.3mm | 1 |
| 23007-621 | AirMax VS | Microfit | MicroMatch, 10-pin | 19.3mm | 1 |
| 23007-679 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 181.9mm | 1 |

| Catalog Number | Connector Type | Power Connector Type | Utility Connector Type | Width | Package Quantity |
|----------------|----------------|------------------------------|------------------------|---------|------------------|
| 23007-668 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 161.6mm | 1 |
| 23007-629 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 181.9mm | 1 |
| 23007-669 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 181.9mm | 1 |
| 23007-676 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 120.9mm | 1 |
| 23007-677 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 141.2mm | 1 |
| 23007-628 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 161.6mm | 1 |
| 23007-636 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 120.9mm | 1 |
| 23007-627 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 141.2mm | 1 |
| 23007-682 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 39.6mm | 1 |
| 23007-683 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 60mm | 1 |
| 23007-667 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 141.2mm | 1 |
| 23007-695 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 100.6mm | 1 |
| 23007-655 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 100.6mm | 1 |
| 23007-637 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 141.2mm | 1 |
| 23007-654 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 80.3mm | 1 |

Table 2/2

| Catalog Number | Connector Type | Power Connector Type | Utility Connector Type | Width | Package Quantity |
|----------------|----------------|------------------------------|------------------------|---------|------------------|
| 23007-653 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 60mm | 1 |
| 23007-639 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 181.9mm | 1 |
| 23007-649 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 191.9mm | 1 |

| Catalog Number | Connector Type | Power Connector Type | Utility Connector Type | Width | Package Quantity |
|----------------|----------------|------------------------------|------------------------|---------|------------------|
| 23007-645 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 100.6mm | 1 |
| 23007-644 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 80.3mm | 1 |
| 23007-643 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 60mm | 1 |
| 23007-642 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 19.3mm | 1 |
| 23007-685 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 100.6mm | 1 |
| 23007-605 | AirMax VS | PwrBlade | MicroMatch, 10-pin | 159.9mm | 1 |
| 23007-689 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 181.9mm | 1 |
| 23007-684 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 80.3mm | 1 |
| 23007-693 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 60mm | 1 |
| 23007-615 | AirMax VS | PwrBlade | MicroMatch, 10-pin | 159.9mm | 1 |
| 23007-694 | AirMax VS | Power Bugs for M4 Cable Lugs | MicroMatch, 10-pin | 80.3mm | 1 |

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 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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