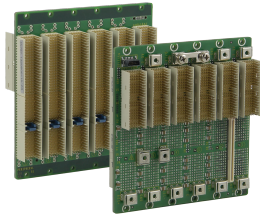


# CPCI Backplane, System Slot Left



The nVent SCHROFF CompactPCI Backplanes have best in class signal integrity and MTBF values due to SMD components, ceramics capacitors and press fit connectors.

## CERTIFICATIONS



## FEATURES

In accordance with: PICMG 2.0 R3.0 CompactPCI Core specification, PICMG 2.1 R2.0 Hot Swap specification, PICMG 2.9 R1.0 System Management Bus specification, PICMG 2.10 R1.0 Keying specification

Digital GND can be connected to/isolated from chassis-GND by means of screws

V(I/O) adjustable to +3.3 V or +5 V

Infeed of supply voltages via powerbugs (ring tag M4), FASTONs

Outer layers act as GND surfaces

Utility plug for status signals (SMCQ)

Multiple backplanes can be placed together without loss of slots

Outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors

Intelligent platform management bus (IPMB) connector to PICMG 2.9

## SPECIFICATIONS

Table 1/3

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|----------------|-------------|------------|
|----------------|--------------|-----------------|-------------|----------------|-------------|------------|

|           |           |   |    |                       |      |     |
|-----------|-----------|---|----|-----------------------|------|-----|
| 23006-405 | Backplane | 5 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-406 | Backplane | 6 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-408 | Backplane | 8 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-422 | Backplane | 2 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-423 | Backplane | 3 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-424 | Backplane | 4 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-428 | Backplane | 8 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-443 | Backplane | 3 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-444 | Backplane | 4 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-445 | Backplane | 5 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-448 | Backplane | 8 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-714 | Backplane | 4 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-715 | Backplane | 5 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-716 | Backplane | 6 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-718 | Backplane | 8 | 3U | CompactPCI,<br>32-bit | Left | 4HP |
| 23006-732 | Backplane | 2 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-733 | Backplane | 3 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-734 | Backplane | 4 | 3U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-738 | Backplane | 8 | 3U | CompactPCI,<br>64-bit | Left | 4HP |

|           |           |   |    |                       |      |     |
|-----------|-----------|---|----|-----------------------|------|-----|
| 23006-763 | Backplane | 3 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-764 | Backplane | 4 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-765 | Backplane | 5 | 6U | CompactPCI,<br>64-bit | Left | 4HP |
| 23006-768 | Backplane | 8 | 6U | CompactPCI,<br>64-bit | Left | 4HP |

Table 2/3

| Catalog Number | Voltage I/O | Connector Type | Power Connector Type         | Utility Connector Type | Width    | Package Quantity |
|----------------|-------------|----------------|------------------------------|------------------------|----------|------------------|
| 23006-405      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 100.6mm  | 1                |
| 23006-406      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 121mm    | 1                |
| 23006-408      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 161.56mm | 1                |
| 23006-422      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 39.64mm  | 1                |
| 23006-423      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 60mm     | 1                |
| 23006-424      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 80.28mm  | 1                |
| 23006-428      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 161.56mm | 1                |
| 23006-443      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 60mm     | 1                |
| 23006-444      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 80.28mm  | 1                |
| 23006-445      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 100.59mm | 1                |
| 23006-448      | 3.3V        | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 161.56mm | 1                |
| 23006-714      | 5V          | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           |          | 1                |
| 23006-715      | 5V          | HM 2.0         | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin           | 100.6mm  | 1                |

| CatalogNumber | Voltage I/O | ConnectorType | Power ConnectorType          | Utility ConnectorType | Width    | Package Quantity |
|---------------|-------------|---------------|------------------------------|-----------------------|----------|------------------|
| 23006-716     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 121mm    | 1                |
| 23006-718     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 161.56mm | 1                |
| 23006-732     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 39.64mm  | 1                |
| 23006-733     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 60.05mm  | 1                |
| 23006-734     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 80.28mm  | 1                |
| 23006-738     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 161.56mm | 1                |
| 23006-763     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 39.6mm   | 1                |
| 23006-764     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 80.28mm  | 1                |
| 23006-765     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 100.59mm | 1                |
| 23006-768     | 5V          | HM 2.0        | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin          | 161.56mm | 1                |

Table 3/3

| Catalog Number | Certifications | Quick Ship |
|----------------|----------------|------------|
| 23006-405      | RoHS, PICMG    | No         |
| 23006-406      | PICMG, RoHS    | No         |
| 23006-408      | RoHS, PICMG    | No         |
| 23006-422      | PICMG, RoHS    | No         |
| 23006-423      | RoHS           | No         |
| 23006-424      | RoHS, PICMG    | No         |
| 23006-428      | PICMG, RoHS    | No         |

| Catalog Number | Certifications | Quick Ship |
|----------------|----------------|------------|
| 23006-443      | RoHS, PICMG    | No         |
| 23006-444      | PICMG, RoHS    | No         |
| 23006-445      | RoHS, PICMG    | No         |
| 23006-448      | PICMG, RoHS    | No         |
| 23006-714      | RoHS, PICMG    | No         |
| 23006-715      | PICMG, RoHS    | No         |
| 23006-716      | RoHS, PICMG    | No         |
| 23006-718      | PICMG, RoHS    | No         |
| 23006-732      | RoHS, PICMG    | No         |
| 23006-733      | PICMG, RoHS    | No         |
| 23006-734      | RoHS, PICMG    | No         |
| 23006-738      | PICMG, RoHS    | No         |
| 23006-763      | RoHS, PICMG    | No         |
| 23006-764      | PICMG, RoHS    | No         |
| 23006-765      | RoHS, PICMG    | No         |
| 23006-768      | PICMG, RoHS    | 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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Straubenhardt, Germany  
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