

# VMEbus J1 Backplane

The nVent SCHROFF VMEbus Backplanes have outstanding high-frequency noise suppression and very high MTBF values due to ceramic capacitors and SMD fabrication technology.



## CERTIFICATIONS



## FEATURES

In accordance with ANSI/VITA 1-1994 VME64 standard

3 U with J1 plane

Connection or isolation between the digital GND and chassis GND can be changed via screw

Termination active/passive, switchable via jumpers; passive termination preset

Electronic automatic daisy chain (EDC)

Supply voltages provided via power bugs (ring tag M4) or FASTON

## SPECIFICATIONS

Table 1/2

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type       | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|----------------------|-------------|------------|
| 23001-001      | Backplane    | 1               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-021      | Backplane    | 21              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-020      | Backplane    | 20              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |

| Catalog Number | Product Type | Number of Slots | Rack Height | Backplane Type       | System Slot | Slot Width |
|----------------|--------------|-----------------|-------------|----------------------|-------------|------------|
| 23001-018      | Backplane    | 18              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-017      | Backplane    | 17              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-015      | Backplane    | 15              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-012      | Backplane    | 12              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-010      | Backplane    | 10              | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-009      | Backplane    | 9               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-008      | Backplane    | 8               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-007      | Backplane    | 7               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-006      | Backplane    | 6               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-005      | Backplane    | 5               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-004      | Backplane    | 4               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-003      | Backplane    | 3               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |
| 23001-002      | Backplane    | 2               | 3U          | VMEbus, J1, with EDC | Slot 1 Left | 4HP        |

Table 2/2

| Catalog Number | Connector Type | Power Connector Type         | Utility Connector Type          | Height  | Width   | Package Quantity |
|----------------|----------------|------------------------------|---------------------------------|---------|---------|------------------|
| 23001-001      | DIN 41612, C96 | Fastons 6.3 x 0.8 mm         |                                 | 128.5mm | 20.2mm  | 1                |
| 23001-021      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 425.3mm | 1                |
| 23001-020      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 405mm   | 1                |
| 23001-018      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 364.3mm | 1                |

| Catalog Number | Connector Type | Power Connector Type         | Utility Connector Type          | Height  | Width   | Package Quantity |
|----------------|----------------|------------------------------|---------------------------------|---------|---------|------------------|
| 23001-017      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 341.4mm | 1                |
| 23001-015      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 303.4mm | 1                |
| 23001-012      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin, 5-pin Header      | 128.5mm | 242.4mm | 1                |
| 23001-010      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin, 5-pin Header      | 128.5mm | 199.2mm | 1                |
| 23001-009      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 181.4mm | 1                |
| 23001-008      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 161.1mm | 1                |
| 23001-007      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | SMCQ, 12-pin, 5-pin Header      | 128.5mm | 140.8mm | 1                |
| 23001-006      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 120.5mm | 1                |
| 23001-005      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 100.2mm | 1                |
| 23001-004      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 79.8mm  | 1                |
| 23001-003      | DIN 41612, C96 | Power Bugs for M4 Cable Lugs | MicroMatch, 8-pin, 5-pin Header | 128.5mm | 59.7mm  | 1                |
| 23001-002      | DIN 41612, C96 | Fastons 6.3 x 0.8 mm         | MicroMatch, 8-pin               | 128.5mm | 39.1mm  | 1                |

## ADDITIONAL PRODUCT DETAILS

Other configurations available on request.

## 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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