

# Backplane VME/VME64

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**The 6U monolithic WIENER J1/J2 backplane fully complies with ANSI/VITA 1-1994 and IEEE-1014-1987 specifications. It is designed as a 10-layer board in strip-line technology. Monolithic J1/J2 VME backplanes are available with 5, 7, 9, 10, 15 or 21 (full size) slots. The backplane is actively terminated and provides automatic daisy chain either actively or mechanically (in connector, on request).**

The extended power layers and special current rails permit highest power distribution. The 21 slot monolithic J1/J2 backplane has more than 300A current capability on 5V, which corresponds to 15A per slot (at 70A°C). Optional the J2 can be equipped with 160pin 5-row connectors.

For power distribution and connection a flat sandwich-like structure of copper sheets is mounted on the back of the upper J1 area. All DC wiring from this high-current multi-layer structure to the power supply situated in the bottom is integrated into the backplane layout by using the space between the connector shrouds.

## Main features

- 6U WIENER monolithic VME-J1/J2 backplane
- Available with 21, 10, 9, 7 or 5 slots
- Automatic daisy chain (mechanically or electronic)

- Excellent power distribution capability by current multi-layer structure
- Monolithic J1/J2 WIENER VME/VME64 backplane, 10 layers
- 21, 10, 9, 7 or 5 slots (optionally multiple backplanes combined)
- Strip line technology suitable for maximum data rates of (320Mbyte/s, 64bit)
- Optimized RF shielding
- Well dispersed filter-capacitors
- Minimized ground shift and cross talk
- Automatic daisy chain (mechanically or electronic)
- Flat cable style connector for sense and control
- Provision for up to 8 temperature sensors (module temp. checking)
- Sense circuit protection by PTC- resistors (Optionally)
- Excellent power distribution capability by current multi-layer structure
- Maximum power Capabilities (per Slot J1/J2)

Item	Bus	Size	Connectors	Slots	Termination	Daisy Chain
<b>0BB0.0001V</b>	VME/VME64	6U	J1/J2	21	active	Electronic, CBLT

**Other configuration on request!**

## VME / VME64 Backplanes

All WIENER J1, J2 or monolithic J1/J2 VME/VME64 buses are multi-layer backplanes (including power and ground shields) with active automatic daisy chain and active termination outfitted with 96pin DIN connectors as per IEEE-1014-1987 and feature:

- Strip line technology suitable for data rates of 320Mbyte/s (64bit)
- High power distribution by current multiplayer / bus bar system
- Excellent RF shielding
- Optimized filtering (electrolytic and ceramic filter-capacitors)
- Minimized ground shift and cross talk
- Automatic daisy chain
- flat cable connector for sense and control
- Provision for up to 8 temperature sensors (module temp. checking)
- Sense circuit protection by PTC- resistors (Optionally)

Power per slot	VME	VME	VME 64
(20 / 70°C)	J1	J2	J1+J2
5V	9,5A / 7,5A	9,5A / 7,5A	19A / 15A
+/-12V	3,2A / 2,5A		3,2A / 2,5A
Layers	8 or 10	4	8 or 10

**Product Data Sheet**

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Backplane VME/VME64:

[Print Product Data Sheet](#)

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**Documentation**

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Manual:

Introduction:

[WIENER VME VXI VXS introduction](#)

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