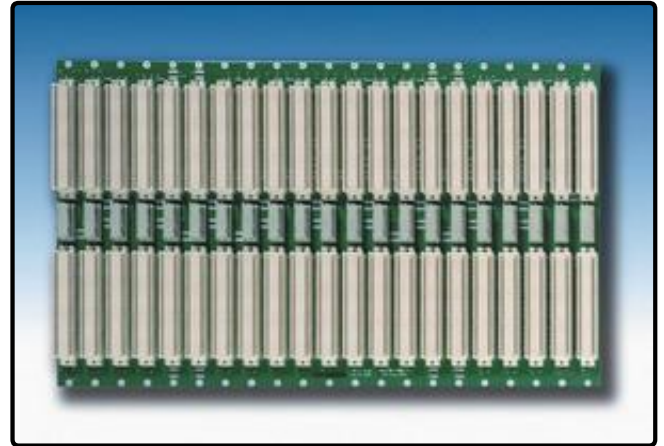
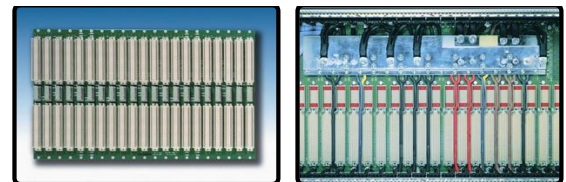


Backplane VME64x-430 J1/Jaux/J2

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Backplane VME64x-430 J1/Jaux/J2



This monolithic WIENER J1/J2 backplane combines the VME64 Extensions style with the CERN V430 "nuclear VME" spec. It complies with VME64x specifications according to ANSI/VITA 1.1-1997 and 1.3-997 except the J0 connector which is replaced by the CERN V430 Jaux connector.

The VME64x-430 is designed as a 10-layer board in strip-line technology and is available with 21 slots (full size).

The backplane is actively terminated and provides active automatic daisy chaining. On request the active automatic daisy chain is available compatible to the CBLT.

The extended power layers and special current rails permit highest power distribution. The 21 slot monolithic J1/Jaux/J2 backplane has more than 300A current capability on 5V, which corresponds to 15A per slot (at 70°C). 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 VME64x-430 J1/Jaux/J2 backplane

- Available with 21 slots
- Automatic daisy chain (mechanically or electronic)
- Excellent power distribution capability by current multi-layer structure
- Monolithic J1/J0/J2 WIENER VME64x backplane, 10 layers
- J1 and J2 outfitted with 5 row 160-pin connectors, Jaux according to CERN V430 spec. (30 pins, 3 row DIN) 21 slots
- 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	Slots	Termination	Daisy Chain
	VME64x-430	6U	21	active	Electronic, CBLT

Other configuration on request!

VME64x Backplanes

All WIENER VME 64x multi-layer backplanes are outfitted with 5-row 160 pin connectors for J1 and J2 as well as optionally with 133 pin hard metric connector for J0. The busses have active on board termination and active automatic daisy-chain (CBLT compatible!). Available with up to 21 slots.

W-le-Ne-R's special current multilayer made of "z"-bended copper sheets, further stiffens the 4.8mm thick board.

- 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)
- Special version for VIPA (VME in Physics) and CERN VME430 style

Power per slot	VME 64x	VME 64x-V430	VME64xP
(20°C / 70°C)	J1-J0-J2	J1-Jaux-J2	J1-J0-J2 Slot 2- 21
3,3V	17A / 12A	17A / 12A	17A / 12A
5V	15,3A / 10,8A	15,3A / 10,8A	27A / 19A
+/-12V	1,7A / 1,2A	1,7A / 1,2A	1,7A / 1,2A

+/-15V		3,2A / 2,5A	
-5,2V		19A / 15A	
-2V		9,5A / 7,5A	
Vw, Vx, Vy, Vz			4A / 3A
V1, V2	1,7A / 1,2A	1,7A / 1,2A	1,7A / 1,2A
Layers	10	10	18

Product Data Sheet

Backplane VME64x-430 J1/Jaux/J2: [Print Product Data Sheet](#)

Documentation

Manual:

Introduction: [WIENER VME VXI VXS introduction](#)

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