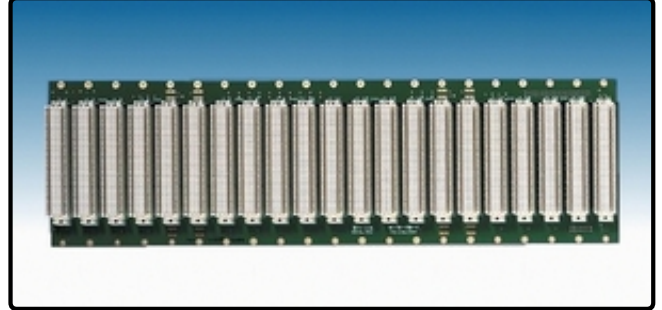
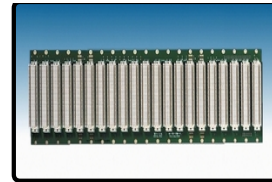


Backplane VME64x-J1

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Backplane VME64x-J1



The 3U WIENER VME64x-J1 backplane fully complies with ANSI/VITA 1-1994 and IEEE-1014-1987 specifications. It is designed as an 8-layer board in strip-line technology. WIENER J1 VME64x backplanes are 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. 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

- 3U WIENER VME64x-J1 backplane
- Available with 21 slots
- Automatic daisy chain (mechanically or electronic)
- Excellent power distribution capability by current multi-layer structure
- 3U WIENER VME-J1 backplane, 8 layers
- 21 slots, J1 outfitted with 5 row 160-pin connectors
- Strip line technology suitable for maximum data rates
- 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

| Item | Bus | Size | Connectors | Slots | Termination | Daisy Chain |
|-----------|--------|------|------------|-------|-------------|------------------|
| 0BB0.000R | VME64x | 6U | J1 | 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-J1:

[Print Product Data Sheet](#)

Documentation

Manual:

Introduction:

[WIENER VME VXI VXS introduction](#)

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