

Schroff 23000-204  
**3U 4-Slot Backplane**



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## VMEbus backplanes J2 I/O bus

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### J2 I/O bus

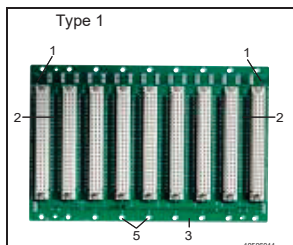
- 3 U backplane
- J2 input/output bus (I/O)
- Expands the J1 system bus to 32-bit data bus width
- Termination ON-/IN-board integrated, passive
- Versions:
  - Type 1 with rear-side connectors for VSB/ribbon cable bus
  - Type 2 for shielded ribbon cable

**Delivery:** Backplane, fully equipped

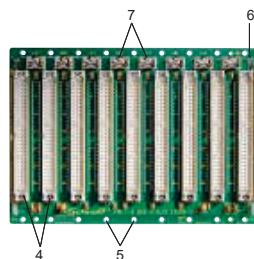
Slot	Width in mm	ON-board Type 1 2 layers	Order No.	
			IN-board Type 1 4 layers	Type 2 for shielded I/O ribbon cable 4 layers
1	16	<b>23000-301</b> <sup>1)</sup>	–	–
2	35	<b>23000-202</b>	–	–
3	61	<b>23000-203</b>	–	–
4	81	<b>23000-204</b>	–	–
5	101	<b>23000-205</b>	<b>23000-265</b>	<b>23000-335</b>
7	142	<b>23000-207</b>	–	–
8	162	<b>23000-208</b>	–	–
9	182	<b>23000-209</b>	<b>23000-269</b>	<b>23000-339</b>
10	203	<b>23000-210</b>	–	–
11	223	<b>60800-421</b>	–	–
12	243	<b>23000-212</b>	<b>23000-272</b>	<b>23000-342</b>
13	264	<b>23000-213</b>	–	–
14	284	<b>23000-214</b>	–	–
16	325	<b>23000-216</b>	–	–
17	345	<b>23000-217</b>	–	–
20	406	<b>23000-220</b>	–	–
21	426	–	<b>23000-281</b>	<b>23000-351</b>

<sup>1)</sup> For power supply

## VMEbus backplanes J2 I/O bus

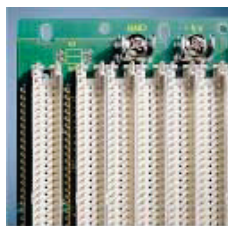


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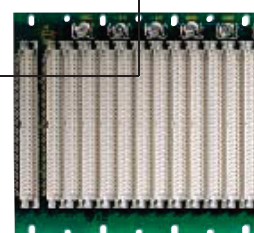


10596014

Type 2



10596013



10596012

### Technical data:

- "High-speed" VME system bus expansion to 32 bits
- Complying with Specification ANSI/VITA 1-1994
- Uniform impedance of all signal lines
- Termination integrated, passive
- Stable power supply
- I/O,  $V_{CC}$  and GND with wire-wrap pins

### Type I

Long pins equipped with connector bodies on rear side, thus use of system bus expansion VSB or I/O ribbon cable is possible.

### Type II

Except for slot 1, two connectors per slot, on rear side pin row b shortened, GND-a and c-GND, for use of shielded ribbon cables.

Item	Description
1	Terminators for Reserved or Retry ("b3")
2	Terminators (row "b")
3	Multi-layer backplane, 2-/4-layer
4	Connector prepared for locking lever
5	Assembly holes
6	PE connection
7	Power connections
8	GND pins (row "a" on left, row "c" on right) for shielded ribbon cable bus

Description	I/O bus J2 with system bus expansion to 32 bits
Bit rate	40 Mbyte/s (J1 + J2); 80 Mbyte/s (MBLT)
Base material	Epoxy resin fibreglass EP GC 02 as per DIN 40 802 (FR 4); flame-resistant as per UL 94 V-0
Design	Through-plated on both sides or 4-layer
Characteristic impedance Z of all signal lines	75 $\pm$ 7.5 $\Omega$ (2-layer version); 55 $\pm$ 5 $\Omega$ (4-layer version)
Ohmic impedance R of all signal lines	$\leq$ 1 $\Omega$ /slot
Termination location	ON-board/IN-board
Termination type	passive
Basic current consumption	0.3 A
Connections	Power supply FASTON (2.8/6.3 mm $\times$ 0.8 mm); screw terminals (M 4)
Connectors	C 96, press-in version, quality class 2 (400 plug-in cycles), for type 2 double number
Temperature range	Operation - 40 °C ... 85 °C Storage - 40 °C ... 85 °C
Dimensions	Height 3 U, 130 mm PCB thickness approx. 3.2 mm Number of slots 1 to 21 Width: = number of slots $\times$ 20.32 mm - 2.23 mm Slot Pitch between 2 connectors = 4 HP = 20.32 mm

### Backplanes

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