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TECHNOLOGY GROUP

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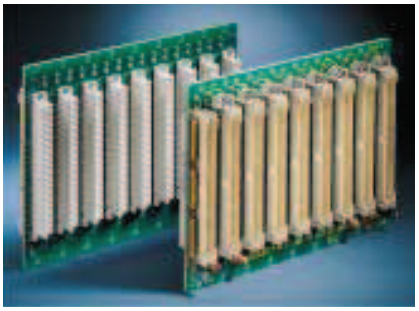
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VMEbus backplanes J2 I/O bus



10596010

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

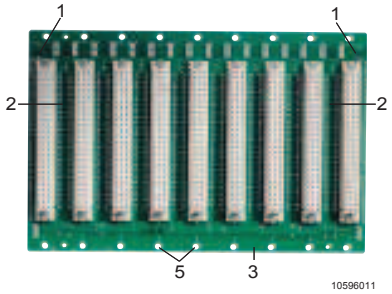
Slot	Width in mm	Order No.		
		ON-board	IN-board	
		Type 1 2 layers	Type 1 4 layers	Type 2 for shielded I/O ribbon cable 4 layers
1	16	**23000-301** [1]	–	–
2	35	**23000-202**	–	–
3	61	**23000-203**	–	–
4	81	**23000-204**	–	–
5	101	**23000-205**	**23000-265**	**23000-335**
7	142	**23000-207**	–	–
8	162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

[1] For power supply

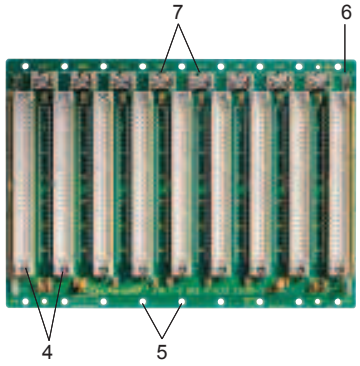
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VMEbus backplanes J2 I/O bus

Type 1

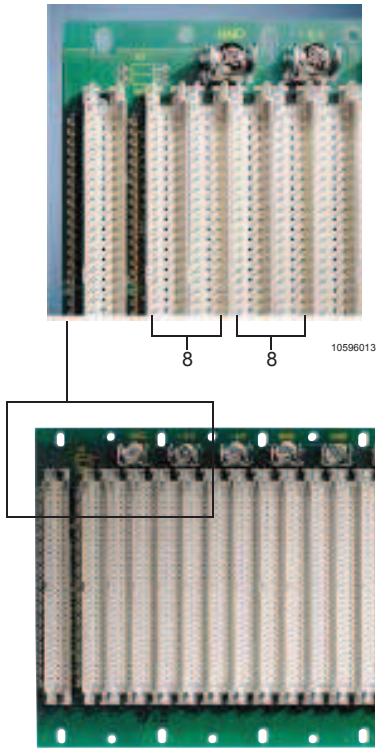


10596011



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 ± 7.5 Ω (2-layer version); 55 ± 5 Ω (4-layer version)
Ohmic impedance R of all signal lines		≤ 1 Ω/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 × 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 × 20.32 mm – 2.23 mm
	Slot	Pitch between 2 connectors = 4 HP = 20.32 mm

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