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VMEbus backplanes J2 I/O bus

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Backplanes/
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VMEbus3.21.0

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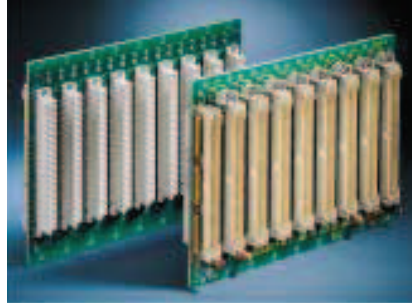
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10596010

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 Type 1 2 layers	IN-board 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

VMEbus backplanes J2 I/O bus

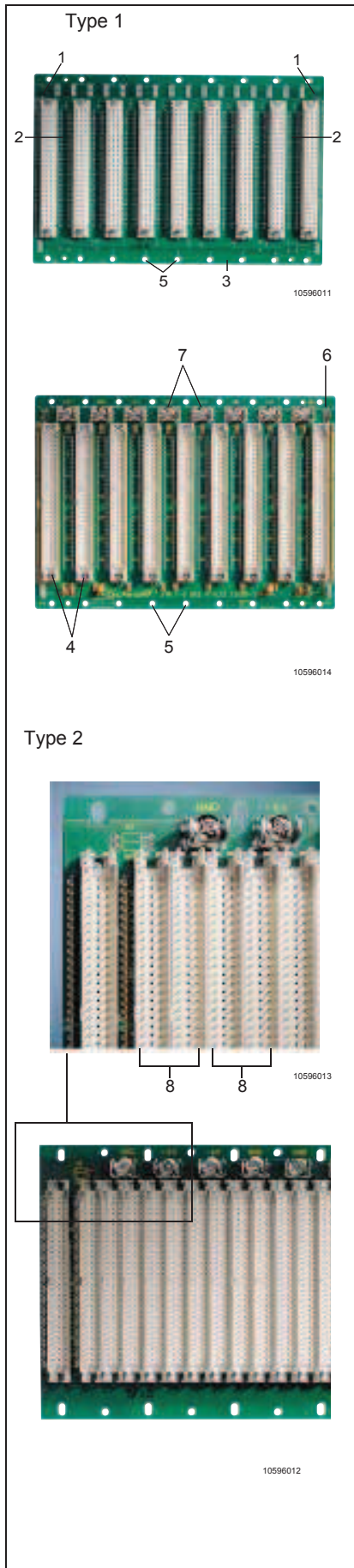


Backplanes

- J1 system bus.....3.21.2
- J2 I/O bus.....3.21.4
- J1/J2 monolithic...3.21.6
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Accessories

- J1 terminator3.21.10
- Ribbon cable bus 3.21.10
- Busbar.....3.21.11
- Threaded pin.....3.21.11
- Power jumpers.....3.21.12



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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