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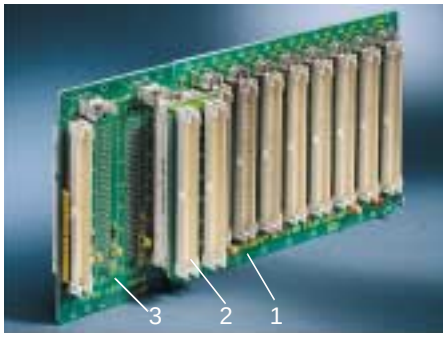
VMEbus backplanes J2 VSBbus



"mountable side by side" 10596015

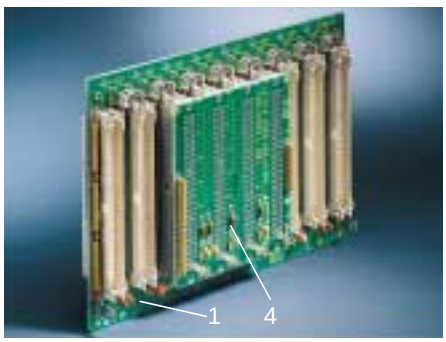


"pluggable" 10596016



10596017

Example:
VSB butt-mounted
to J2 backplane



10596018

Example:
VSB plugged
to J2 backplane

J2 VSBbus

- 3 U backplane
- J2 VSBbus (**V**ME **S**ubsystem **B**us)
- Expands the J1 system bus to 32-bit data bus width
- Enables high-speed data interchange between the boards
- Termination ON-board, passive
- Versions:
  Mountable side by side to J2 I/O backplanes
  Pluggable on J2 I/O backplanes

Particular features:

"mountable side by side"
- Daisy chain jumper pluggable on connector side and on rear side
- Screw/plug connections for power supply
- Integrated termination

"pluggable"
- Daisy chain jumper pluggable on rear side
- Pin row "b" only with connector contacts for power supply:
  b1, b13, b32, (+5 V) and b2, b12, b22, b31 (GND) equipped
- Integrated termination

Example: VSB mountable side by side, pluggable

Item	Description	
1	J2 (I/O bus) backplane	10 slots
2	J2, connecting board	2 slots
3	J2, VSB, mountable side by side	4 Slot
4	J2, VSB, pluggable	6 slots

Delivery comprises

Qty	Description	Comments
1	Backplane	Fully equipped
10	Daisy chain jumper	

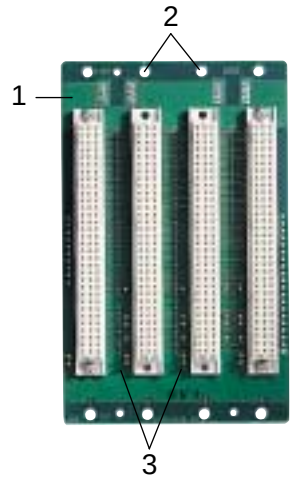
Slot	ON-board termination			
	"mountable side by side"		"pluggable"	
	Dimensions H × W × 3.2 mm mm	Order No.	Dimensions H × W × 3.2 mm mm	Order No.
2	100 × 35	**60800-436**[1)]	95 × 39	**20800-332**
3	–	**–**	95 × 60	**20800-333**
4	130 × 81	**60800-478**	95 × 80	**20800-334**
6	–	**–**	95 × 121	**20800-336**

[1)] Connecting board for side-by-side mounting

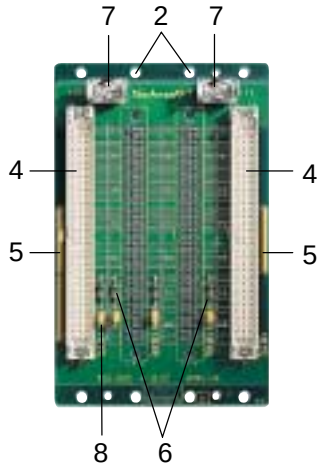
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VMEbus backplanes J2 VSB

"mountable side by side"

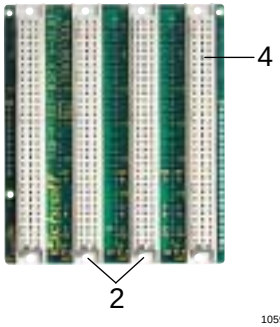


10596019

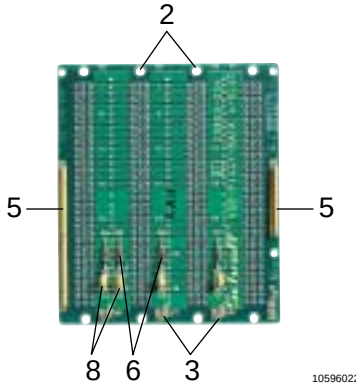


10596020

"pluggable"



10596021



10596022

Technical data:

VSB backplanes comply with the VSB Specification Version C (mountable version B). The VME sub system bus (VSB) enables high-speed data interchange between the boards – without loading the system bus. The R/C combinations required for geographical addressing of the slots are already located on the backplanes.

- VSB with system-bus-independent, multiplexed address/data bus AD 32
- Uniform impedance of all signal lines
- Safe decoupling of all bus lines
- Stable power supply
- Termination, passive, integrated on the backplane
- 2 versions: mountable side by side with I/O backplanes and VSB or pluggable on I/O backplanes

Item	Description
1	Multi-layer backplane, 4-layer
2	Assembly holes
3	Daisy chain jumper for BG IN-BG OUT
4	Connector prepared for locking lever
5	Terminators
6	Terminators for Reserved ("b3")
7	Power connections for power supply
8	Decoupling capacitors

Description		VSB backplane J2 with system bus expansion to 32 bits	
Version		Mountable side by side to J2	Pluggable on J2
Base material		Epoxy resin fibreglass EP GC 02 as per DIN 40 802 (FR 4); flame-resistant as per UL 94 V-0	
Design		4-layer multi-layer: signal – V_{cc} – GND – signal	
Characteristic impedance Z of all signal lines		60 ± 5 Ω	
Ohmic impedance R of all signal lines		≤ 1 Ω	
Termination location		ON-board	
Termination type		passive	
Basic current consumption		< 0.15 A	
Connections	Power supply	FASTON (2.8/ 6.3 mm × 0.8 mm), screw terminals (M4)	via I/O bus backplane
	Connectors	C 96, press-in version, quality class 2 (400 plug-in cycles)	
Temperature range	Operation	- 40 °C ... 85 °C	
	Storage	- 40 °C ... 85 °C	
Dimensions	Height	3 U, 130 mm, 2 slots 100 mm	95 mm
	PCB thickness	approx. 3.2 mm	
	Number of slots	2 to 4	2 to 6
	Width:	= number of slots × 20.32 mm – 0.23 mm	
	Slot	Pitch between 2 connectors = 4 HP = 20.32 mm	

Backplanes
J1 system bus.....3.21.2
J2 I/O bus.....3.21.4
J1/J2 monolithic...3.21.6
J2 VSBbus.....3.21.8

Accessories
J1 terminator.....3.21.10
Ribbon cable bus 3.21.10
Busbar.....3.21.11
Threaded pin.....3.21.11
Power jumpers....3.21.12

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