

Mechanical and Climatic Parameters

	VME Backplanes	VME64x Backplanes
Operating Temperature	-25°C - +85°C (active termination) -40°C - +85°C (passive termination) -40°C - +105°C (on request)	
Storage Temperature	-40°C - +105°C -55°C - +105°C (on request)	
Humidity	95%, non condensing Conformal Coating (on request)	
Climatic Test Group (IEC68/1)	25/085/21	
Flammability (PCB, Connectors)	UL 94 V-0	
Connectors (VME J1, J2)	DIN 41612	IEC 61076-4-113 160 way extended DIN
Performance level per IEC 60603-2	Level 2	Level 2
Mechanical Durability (Mating Cycles)	> 400 cycles	> 400 cycles
Total Insertion and Extraction Force	< 100 N	< 160 N
	DIN 41612 Level 1 (on request)	IEC 61076-4-113 Level 1 (on request)
Connectors (VME P0)		IEC 61076-4-101 HM Modul B19, AB compatible with AB Shroud
Performance level per IEC 60603-2		Level 2
Mechanical Durability (Mating Cycles)		> 250 cycles
Total Insertion and Extraction Force		< 0,7 N / Pin
Vibration acc. DIN 41640 Part 15	10 Hz - 500 Hz, 5 g rms	
Shock (10 pulses each direction x, y, z)	50 g, 6 ms	
Low Pressure / Altitude (max voltage between two pins <=12V)	250 mbar / 20.000 m	
Dimensions (mm)		
Width	20,32 mm x Slots - 1,4 mm	20,32mm x Slots - 1,5 mm
Height (3U / 6U)	128,70 / 262,05 mm	262,05 mm
Thickness	3,2 mm +/- 0,3 mm	4,7 mm +/- 0,5 mm

Electrical Parameters

	VME Backplanes	VME64x Backplanes
Specifications	ANSI/VITA 1-1994 VME64 Specification ANSI/VITA 1.7 - 2003 Increased Current Level for 96 Pin & 160 Pin DIN/IEC Connector Standard	ANSI/VITA 1-1994 VME64 Specification ANSI/VITA 1.1-1997 VME64x Specification ANSI/VITA 1.5-2003 2eSST Transfer Protocol ANSI/VITA 1.7 - 2003 Increased Current Level for 96 Pin & 160 Pin DIN/IEC Connector Standard ANSI/VITA 3-1995 VME64x Live Insertion System Requirements ANSI/VITA 38 – 2003 SMB Specification, Draft
Service Life MTBF, acc. to MIL HDBK 217F, 25°C, ground, benign; 21-Slot Monolithic	more than 235.000 h	
Characteristic Impedance	55 Ω ± 10 %	
Ohmic Resistance	< 60 mΩ / Slot	
Hot Swap	not supported	supported
Termination	active / passive, field changeable 330 / 470 Ohm Networks	passive 330 / 470 Ohm Networks
Power input 4 to 21 Slots 2 Slots	Power bugs for wiring, comprising M4 Screws Fastons	
Max. Current Carrying Capacity	per ANSI/VITA 1.7-2003 3U BP: +5V, 6 A / Slot @ 95°C 6U BP: +5V, 12 A / Slot @ 95°C	per ANSI/VITA 1.7-2003 +5V: 12A / Slot @ 95°C +3,3V: 18 A / Slot @ 95°C +/-12V;+/-V1;+/-V2: 2 A / Slot @ 95°C each VPC: 6 A / Slot @ 95°C
Max. Voltage Drop on +5V	< 50 mV	
Data Transfer Rate (peak) MBLT protocol 2eVME 2eSST	80 Mbyte/s 160 Mbyte/s	80 Mbyte/s 160 Mbyte/s 320 Mbyte/s