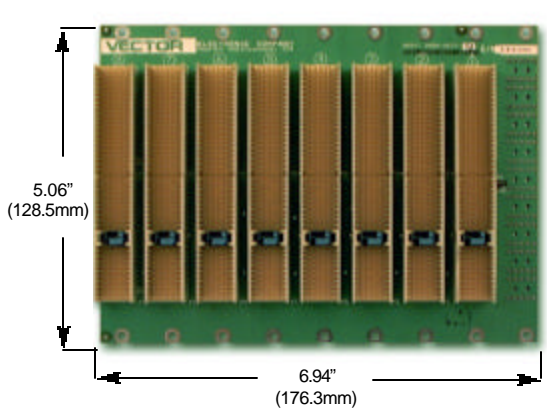
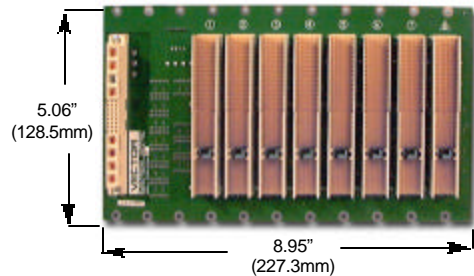


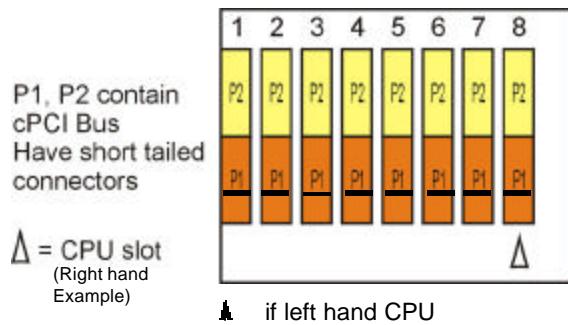
# CompactPCI® Backplanes for 3U & 6U Cards CPCIBP8-3



P/N  
CPCIBP8-3-64  
Right hand CPU  
  
CPCIBP8-3L-32  
Left hand CPU



P/N CPCIBP8-3-1  
with  
Power Supply Connector



cPCI backplanes for standard applications are available in 8 slot configurations. Connectors used have pin spacing and conform to IEC 1076-4-101. The backplanes conform to PICMG specifications with either right or left hand control CPU slot.

cPCI performance with 32 or 64 bit operation at 33MHz allows 132mb/sec bandwidth. Rear I/O may be accommodated on a 32 bit model. Backplanes with power supply connectors are offered for use with Vector backplanes (see page 23).

**Features:**

- Compliant with PICMG 2.0 R3.0
- PICMG 2.1R1.0 Hot Swap Compliance
- V(I/O) Switchable from +5V to +3.3V
- Cadmium Yellow (+3.3V) and Brilliant Blue (+5V) keys supplied with each backplane
- Right or left side control slot on 3U versions
- Cable connection from power taps
- Backplane with integrated power supply connector
- Mate N Lock 3 pin power input connectors
- Signal, sense & control headers on each board for +5 -5, +3.3 SRTN, DEG, FAL, INH, EN

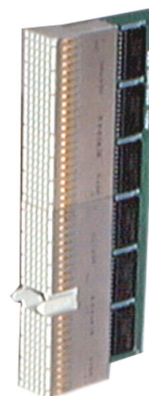
Part Number	Description	Connector Loading
CPCIBP8-3-32	8 slot, right control slot	Type A 8(25 row) P1 connectors Type B 1 (22 Row) P2 connectors, short tail
CPCIBP8-3L-32	8 slot, left control slot suitable for 32 bit & rear I/O connection	8 P1, with 8 long pin P2 (25 row) connectors; 1 (22row) with shrouds
CPCIBP8-3-64	8 slot, right control slot	P1 and P2 fully loaded (short tail pins)
CPCIBP8-3-1	8 slot, right control slot with M Din power supply connector	8 (25 row) P1 connectors, 1 (22 row) P2, short

**Specifications**

Physical	Material	FR4
	Flammability	UL94V-0
	Connectors Installed	UL94V-2
Environmental	Operating Temperature	0-70°C
	Storage Temperature	-45 to 95°C
	Humidity	0 to 95%, non-condensing
	Vibration	MIL 810E
Electrical	Connectors	Compliant with IEC 1076-4-101
	Power Input	3 Pin Mate-N-Lok
	Power Taps	20 Amps max, 40°C
	Grounding	Chassis GND and Logic GND separate

**Standards Compliance**

PICMG 2.0 R2.2	CompactPCI Spec
PICMG 2.1 R1.0	Hot Swap Spec
IEEE 1101.10	Mechanical
IEEE 1101.11	Mechanical



**TERMINATOR BOARD**

Terminator board is used to reduce signal bounce and ringing in certain applications. Utilizes diode termination arrays. Board plugs J1 & J2 connectors into end slot of cPCI backplane in use. Order separately: P/N CPCITB-1

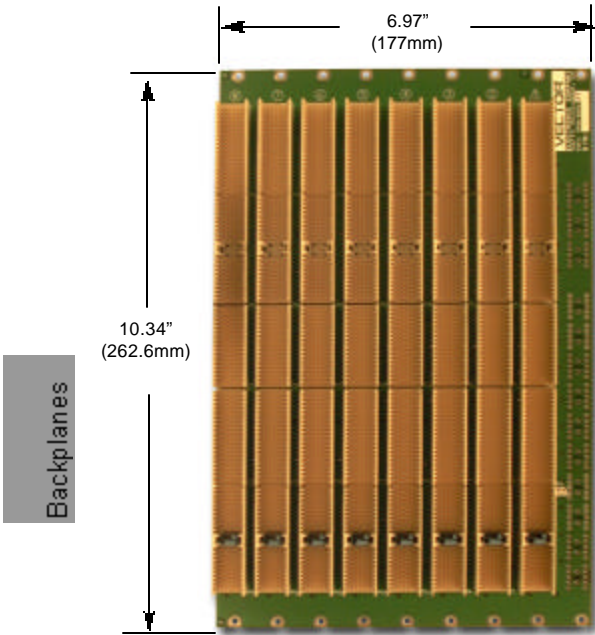
CPCIBP8-6

High performance backplanes for 6U cards are available for applications using vertically inserted or horizontally inserted cards.

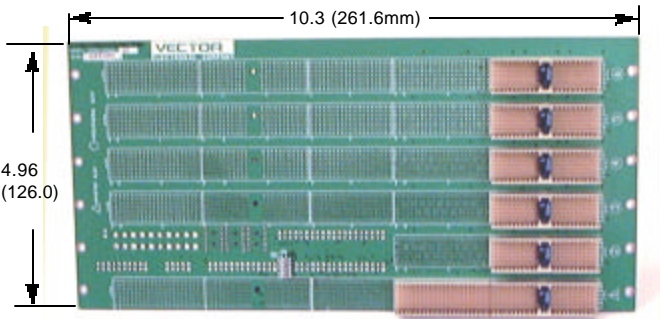
Power is applied to the boards through onboard power taps. Power supply backplanes (4626 Series), for M Din or P47 connectors, are available for adapting plug-in supplies to backplanes.

Features:

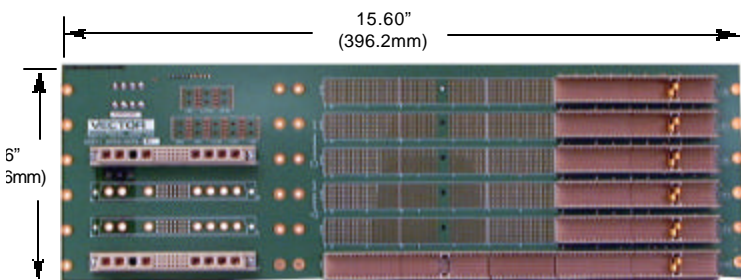
- Backplane design compliant - PICMG spec 2.0 R 3.0 & Hot Swap compliant PICMG 2.1 R1.0
- Backplane models support 32 or 64 bit operation and 33MHz or 66MHz operation (4 slot only)
- Power supplies may be plug-in and hot swap using M Din or P47 connectors or
- Low cost ATX power input (6 slot only)
- Connectors for IDE, parallel and serial ports installed on 6 slot board for additional storage & utility
- +5V or +3.3V VI/O user configurable
- Signal, sense and control line connector header on each board



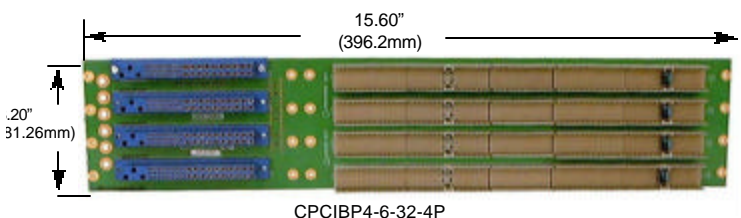
P/N: CPCIBP8-6-64  
8 Slot CPCI Backplane



P/N: CPCIBP6-6-IDE 6 slot backplane with ATX and IDE connectors



P/N: CPCIBP6-6-32-2M 6 Slot Backplane with 2 power supply connectors



CPCIBP4-6-32-4P

Part Number	Description	Connector Loading
CPCIBP8-6-32	8 slot, right control slot, 32 bit	8 P1 early mate late break connectors. 8 P2 connectors tail, P3, P4 & P5 loaded with long tail and shrouds
CPCIBP8-6-64	8 slot, right control slot, 64 bit	8 P1 early mate late break connectors. 8 P2 22 row connectors long tail, P3, P4 & P5 loaded with I connectors and shrouds
CPCIBP4-4-64-66	4 slot, right control slot 64 bit, 66MHz design	Same as above only 4 slots
CPCIBP4-6-32-4P	4 slot for 6U cards with 4 P47 power supply connectors horizontal mounting	4 P1 short tail. 4 P2 short tail P5 loaded with long tail connectors and power supply P47 connectors installed
CPCIBP6-6-32-2M	6 slot for 6U cards with 2M-Din power supply connectors, horizontal mounting	6 P1 short tail. 6 P2 short tail P4 & P5 loaded with long tail connector shrouds; 2 power supply with M-Din installed
CPCIBP6-6-IDE	6 slot for 6U cards with 2 M-Din power supply connectors, horizontal mounting	6 P1 short tail. 5 P2 short tail lost because of IDE, Serial, Parallel co-installation, 5 ea P3, P4 & P5 loaded tail connectors and shrouds; ATX power connector installed

Specifications

Physical	Material	FR4
	Flammability	UL94V-0
	Connectors Installed	UL94V-2
Environmental	Operating Temperature	0-70°C
	Storage Temperature	-45 to 95°C
	Humidity	0 to 95%, non-condensing
	Vibration	MIL 810E
Electrical	Connectors	Compliant with IEC 1076-4-101
	Power Input	3 Pin Mate-N-Lok
	Power Taps	20 Amps max, 40°C
	Grounding	Chassis GND and Logic GND separate