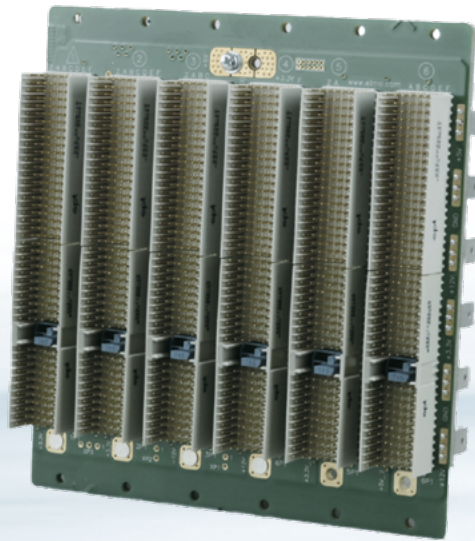# CP-BP-KIT
CompactPCI Backplanes

▼

Backplane Kits with Power Connectors

▶ Positronic P47 and M-type power connectors

▶ 2-8 slots, bridge option for more

▶ Hot swap capability

▶ IPMI support

POSSIBILITIES START HERE

kontron
S&T Group

CP-BP-KIT
CPCI Backplane Kits with Power Connectors

The product description provided with this data sheet is valid in combination with the General Data Sheet for CompactPCI back-planes by ELMA Electronic. The General Data Sheet is available via Kontron, www.kontron.com, and includes detailed information about kit mounting for power connection, about pin assignments, as well as electrical, mechanical, and climatic details. Backplane Manufacturer is ELMA Electronic.

▶ TECHNICAL INFORMATION

COMPLIANCE	PICMG 2.0 R3.0 CPCI Core Specification PICMG 2.1 R2.0 Hot Swap Specification PICMG 2.9 R1.0 System Management Specification
SYSTEM SLOTS	Right or left
NUMBER OF SLOTS	2 – 8. 10 – 21 with bridge option
POWER SUPPLY CONNECTOR OPTIONS	DIN 41612 type M and Positronic P47
POWER SYSTEM	4 to 8 slots: Mounting KIT with - Backplane with pass through contacts enclosed - Power board with power connector - Interconnection board 2 slots via Fastons
REAR I/O OPTION	Shrouds at P2 (only for 32 bit backplanes)
PCB CONSTRUCTION	2 slots: 8 layers, 3-8 slots: 10 layers
PCB MEASURES	height 128.7 mm, thickness 3.2 mm
GENERAL	Virtually zero crosstalk Fasteners for supplying HDD and fans Decoupling of the DC voltages for beyond 1 GHz (act as EMI-filter) Hot swap capability Connector for status signals "FCON". Mating connector on request
MTBF	930.000 h (4 slot), 470.000 h (8-slot) according to MIL-HDBK 217F

▶ ORDERING INFORMATION

ARTICLE *	DESCRIPTION
CP3-BP2-F-RIO	3U CPCI backplane with 2 slots. All slots with RearI/O on P2. Systemslot right, 32 bit, 33 MHz. Power connection via Fastons.
CP3-BP4-M-KIT-RIO	3U CPCI backplane with 4 slots. All slots with Rear I/O on P2. System slot right, 32 bit, 33MHz. With M-type power backplane and interconnection kit.
CP3-BP8-M-KIT-RIO	3U CPCI backplane with 8 slots. All slots with Rear I/O on P2. System slot right, 32 bit. With M-type power backplane and interconnection kit.
CP3-BP8-P47-KIT-RIO	3U CPCI backplane with 8 slots. All slots with Rear I/O on P2. System slot right, 32 bit. With Positronic47 power backplane and interconnection kit.
CP3-BP…..	Other variations on request: slot count, 64bit no rear, system slot left, 66MHz up to 5 slots
CP6-BP8-P47-KIT-RIO	On request

▶ GLOBAL HEADQUARTERS

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