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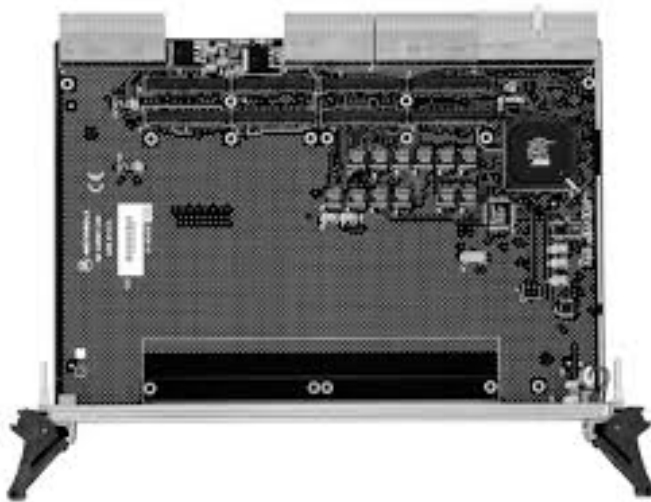
**Data Sheet**

August 15, 2026

EMERSON / MOTOROLA

# Emerson / Motorola CPV8540B Hot Swap PMC Carrier Board

Emerson Motorola CPV8540B Hot Swap PMC Carrier The Emerson/Motorola CPV8540B is a hot-swap PMC carrier board. OEM Motorola CompactPCI/VME PMC carrier data list a PMC site on a hot-swap carrier so PMC I/O can be installed in cPCI/VME systems with live insertion support, 32/64-bit PCI PMC, and front-panel I/O. Hot-swap PMC I/O in CompactPCI/VME embedded systems. Instrument Type: Hot swap PMC carrier board The Emerson/Motorola CPV8540B is a hot-swap PMC carrier board. OEM Motorola CompactPCI/VME PMC carrier data list a PMC site on a hot-swap carrier so PMC I/O can be installed in cPCI/VME systems with live insertion support, 32/64-bit PCI PMC, and front-panel I/O. Hot-swap PMC I/O in CompactPCI/VME embedded systems. Instrument Type: Hot swap PMC carrier board Form Factor: PMC carrier (CompactPCI/VME class host)



MODEL

**Emerson /  
Motorola  
CPV8540B**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**CPV8540B**

LISTING

<https://aumictechlabs.com/products/cpv8540b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Emerson/Motorola CPV8540B is a hot-swap PMC carrier board for CompactPCI systems. It enables insertion and removal of PMC modules during live operation, eliminating the need for

system shutdown and maintaining continuous availability in industrial and embedded environments. This architecture delivers the modularity and reliability demanded by deployments.

**Technical Specifications**

**Form Factor:** CompactPCI (cPCI) carrier board with single PMC slot

**Hot-Swap Operation:** Supports live insertion and removal of PMC daughter cards without system interruption

**Interface Architecture:** Standard PMC slot interface paired with cPCI connector for backplane integration, power delivery, and system communication

**Design Environment:** Engineered for demanding industrial and embedded applications

**Key Features**

- Eliminates scheduled downtime through hot-swap modularity
- Accepts any standard form-factor PMC module
- Single-slot carrier architecture for cPCI chassis integration
- Power and signal distribution via cPCI backplane connection
- Direct PMC compatibility enables field upgrades and configuration adaptation

**Typical Applications**

The CPV8540B addresses deployments requiring:

- High-availability industrial control systems
- Modular I/O expansion in embedded platforms
- Dynamic system reconfiguration without power cycles
- processing environments where downtime carries significant cost

**Compatibility & Integration**

The board integrates into any CompactPCI chassis via standard cPCI connector. It accommodates any PMC module meeting the PCI Mezzanine Card specification. System designers can mix and match PMC cards - communications, signal processing, storage, or custom I/O modules - adapting the platform to evolving application requirements. Power and control signals flow through the cPCI backplane, requiring no external connections to the host system.

## CPV8540B Characteristics / Specifications

| PARAMETER          | VALUE                                               |
|--------------------|-----------------------------------------------------|
| Model              | CPV8540B                                            |
| Instrument Type    | Hot swap PMC carrier board                          |
| Form Factor        | PMC carrier (CompactPCI/VME class host)             |
| Hot Swap           | yes                                                 |
| Pmc Site           | PMC mezzanine site                                  |
| Pci Class          | 32/64-bit PCI PMC                                   |
| Manufacturer       | Emerson Motorola                                    |
| Mechanical Package | carrier board                                       |
| Documentation      | Motorola/Emerson CPV8540B hot-swap PMC carrier data |
| Application Class  | embedded PMC I/O                                    |
| Front Io           | yes                                                 |
| Duty               | continuous embedded I/O                             |
| Related Sbc        | Motorola CompactPCI/VME SBCs                        |
| Bus                | PCI mezzanine card                                  |
| Power              | from host backplane                                 |
| Grounding          | chassis ground                                      |
| Live Insertion     | hot-swap support                                    |
| Pmc Standard       | IEEE 1386.1                                         |
| Family             | Motorola CPV PMC carriers                           |
| Io Routing         | front panel PMC I/O                                 |
| Use Case           | add PMC without replacing the SBC                   |
| Revision           | B                                                   |
| Host Class         | hot-swap CompactPCI/VME                             |

# CPV8540B Specifications

| PARAMETER                                      | VALUE                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Emerson Motorola CPV8540B Hot Swap PMC Carrier | Overview                                                                                                                           |
| PMC site for I/O mezzanines                    | 32/64-bit PCI PMC class                                                                                                            |
| Technical Specifications                       | Model: CPV8540B                                                                                                                    |
| Notes                                          | From Motorola/Emerson CPV8540B hot-swap PMC carrier listings.<br>Confirm cPCI vs VME host and 32 vs 64-bit PMC strap on the board. |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications                                                                                                                  |                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| Specifications                                                                                                                  |                                                     |
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| Form Factor                                                                                                                     | PMC carrier (CompactPCI/VME class host)             |
| Hot Swap                                                                                                                        | yes                                                 |
| Pmc Site                                                                                                                        | PMC mezzanine site                                  |
| Pci Class                                                                                                                       | 32/64-bit PCI PMC                                   |
| Manufacturer                                                                                                                    | Emerson Motorola                                    |
| Mechanical Package                                                                                                              | carrier board                                       |
| Documentation                                                                                                                   | Motorola/Emerson CPV8540B hot-swap PMC carrier data |
| Application Class                                                                                                               | embedded PMC I/O                                    |
| Front Io                                                                                                                        | yes                                                 |
| Duty                                                                                                                            | continuous embedded I/O                             |
| Related Sbc                                                                                                                     | Motorola CompactPCI/VME SBCs                        |
| Bus                                                                                                                             | PCI mezzanine card                                  |
| Power                                                                                                                           | from host backplane                                 |
| Grounding                                                                                                                       | chassis ground                                      |
| Live Insertion                                                                                                                  | hot-swap support                                    |
| Pmc Standard                                                                                                                    | IEEE 1386.1                                         |
| Family                                                                                                                          | Motorola CPV PMC carriers                           |
| Io Routing                                                                                                                      | front panel PMC I/O                                 |
| Use Case                                                                                                                        | add PMC without replacing the SBC                   |
| Revision                                                                                                                        | B                                                   |
| Host Class                                                                                                                      | hot-swap CompactPCI/VME                             |
| Notes                                                                                                                           |                                                     |
| From Motorola/Emerson CPV8540B hot-swap PMC carrier listings. Confirm cPCI vs VME host and 32 vs 64-bit PMC strap on the board. |                                                     |

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.