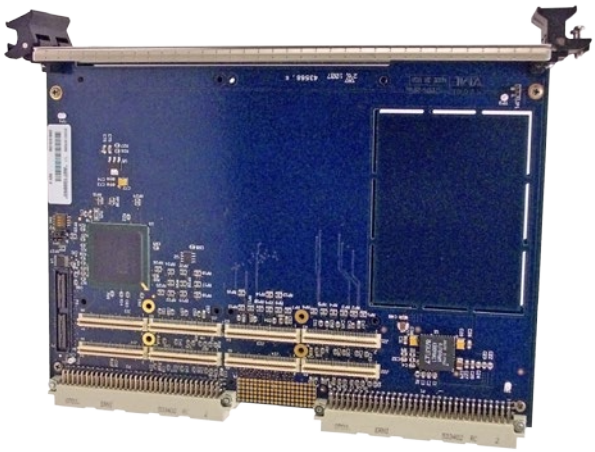
VME Carriers

XVME-976 Dual PMC Carrier Module for the XVME-689 / XVME-690

2 YEAR WARRANTY

XEMBEDDED™



Up to five PMC modules ◆ Occupies only one VMEbus slot ◆ Fits into any standard 6U VMEbus card cage

Description

Acromag's XVME-976 carrier provides an effortless method of deploying PMC modules in the VMEbus rack using the XVME-689 or XVME-690 processor modules.

Using two stacked XVME-976 modules allows expansions of the processor to include up to five PMC modules. One PMC is located on the processor and two on each of the XVME-976 modules. The expansions allow for functions such as: FPGA, Ethernet, SCSI, serial port, digital I/O, analog I/O and special function PMC modules.

The PMC sites on the XVME-976 are IEEE P1386 compliant and will provide the power needed by most PMC modules.

Key Features & Benefits

- Fits into any standard 6U VMEbus card cage adjacent to the XVME-689 or XVME-690 processor module
- Each carrier only occupies one VMEbus slot. Get up to 5 PMC modules using only three VMEbus slots
- One PMC site with I/O out the rear P2, both sites support front I/O
- All PMC sites are capable of providing 14 watts of power to each PMC module
- Draws power and ground from the VMEbus backplane

Performance Specifications

General

PMC Expansion Sites
Two 32-bit sites, one with rear I/O out P2 of the carrier
NOTE: The XVME-976 carrier draws power and ground from the VMEbus backplane.

Environmental

Operating temperature
-25 to 70°C

Storage temperature
-40 to 60°C

Relative humidity
20 to 80% non-condensing

Shock
Operating:
30g peak acceleration, 11ms duration

Non-operating:
50g peak acceleration, 11ms duration

Vibration (5Hz-2kHz)
Operating:
0.015" (380µm) peak-to-peak displacement
2.5g max acceleration

Non-operating:
0.030" (760µm) peak-to-peak displacement
5.0g max acceleration

VME Compliance

Compatible with PMC 2.0 Specifications for IEEE P1386 modules
BGXIN* tied to BGXOUT* on this module

Form Factor

6U VMEbus 9.2"(233mm) x 6.3"(160mm)

Ordering Information

XVME-976-209-X

X = Solder
L - Lead solder
LF - Lead-free solder

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