
Chapter 7. IBM Analog Video PMC Form Factor Card

The IBM Analog Video PMC Form Factor Card (video PMC card) is a high-performance video card with the following features:

- High-performance S3 Trio64V+ video chip set
- 2 MB of video memory with a 64-bit interface
- Support for non-interlaced video modes of up to 1280x1024 at 75 Hz
- Display power-management signaling (DPMS) energy management
- Pass-through connectors for the mouse and keyboard interfaces

The video PMC card attaches to the SBC using the PMC connectors and mounting hardware. BIOS automatically detects presence of the video PMC card and configures it as the default video port for the system.

The video PMC card has five connectors.

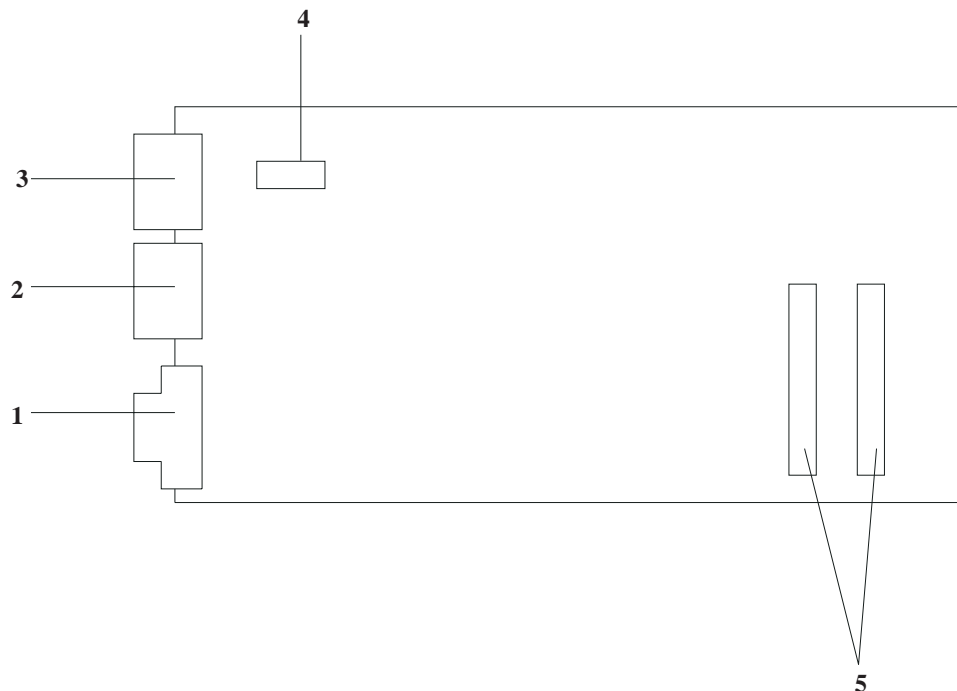


Figure 7-1. Video PMC Card Connectors

- 1** The display connector is a standard 15-pin, D-shell connector. The output is standard SVGA. The resolution available is determined by the video driver and the display used.
- 2 and 3** The keyboard (2) and mouse (3) connectors are 6-pin, mini-DIN connectors for attaching a standard keyboard and PS/2-style mouse. The interface for the keyboard and mouse port resides on the SBC. The video PMC card simply provides an external connector for these ports and passes the signals to the SBC through the keyboard/mouse input connector.
- 4** The keyboard/mouse input connector is an 8-pin header that connects the input from the external connectors to the SBC. It is connected directly to the mini-DIN connectors with no processing or logic.
- 5** The PMC connectors are the main signal interface between the SBC and the video PMC card.

