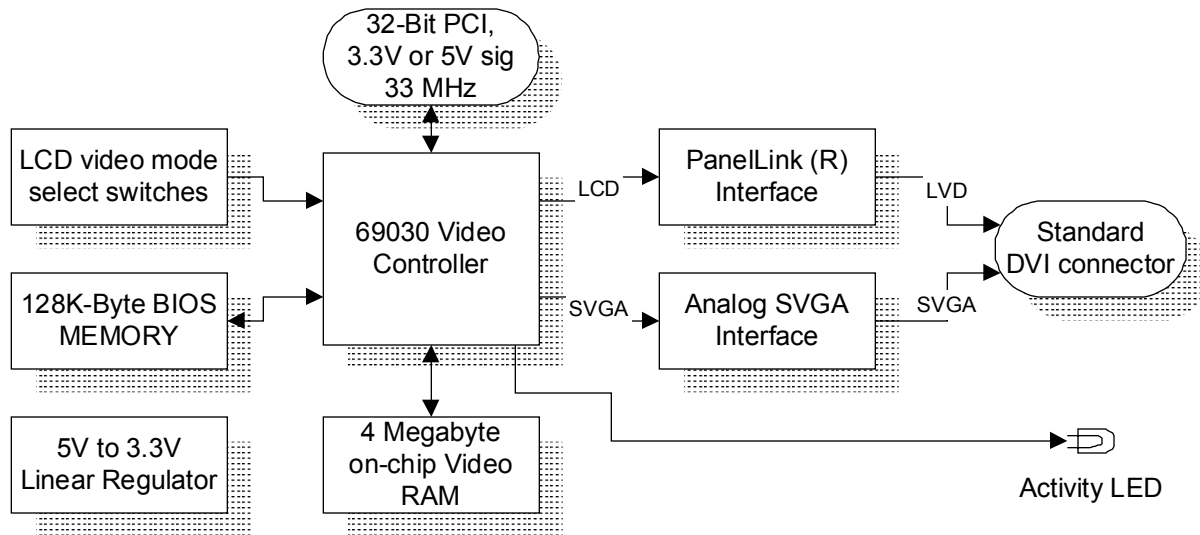# 69030 Based DVI Video Controller PMC

The DVI PMC provides a single video port using the Asiliant 69030 (previously Chips and Technology and Intel) video controller with a front panel Digital Visual Interface (DVI) standard connector.

The 69030 chip provides a complete video graphics solution. Key features are integrated 4 Megabyte video RAM, a 32-bit/33 MHz PCI bus connection, provision for Analog SVGA and Digital LCD interfaces, and a variety of video graphics modes. For more information on the capabilities of this chip, please consult www.asiliant.com

A 128KB non-volatile memory holds the BIOS code for Intel platforms. This part is programmed at the factory with the code available at Asiliant's web site. Since the part is not in-circuit programmable, a socket is used to permit removal and reprogramming if needed.

A 5Volt to 3.3V linear regulator takes the 5V supply from the PCI bus and generates 3.3V power required by the chips on the board. The board only requires +5V from the PMC connectors; 3.3V power from the bus is not connected to the board.

The board may be used in either 3.3V or 5V PCI bus signaling environments, and the standard holes are provided in the board to support universal keying.
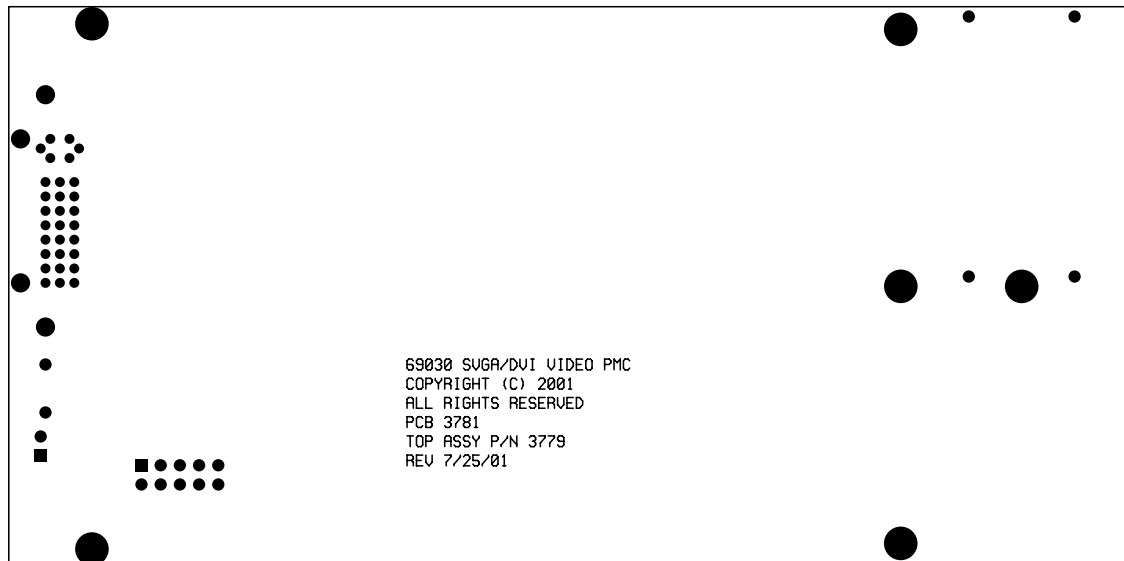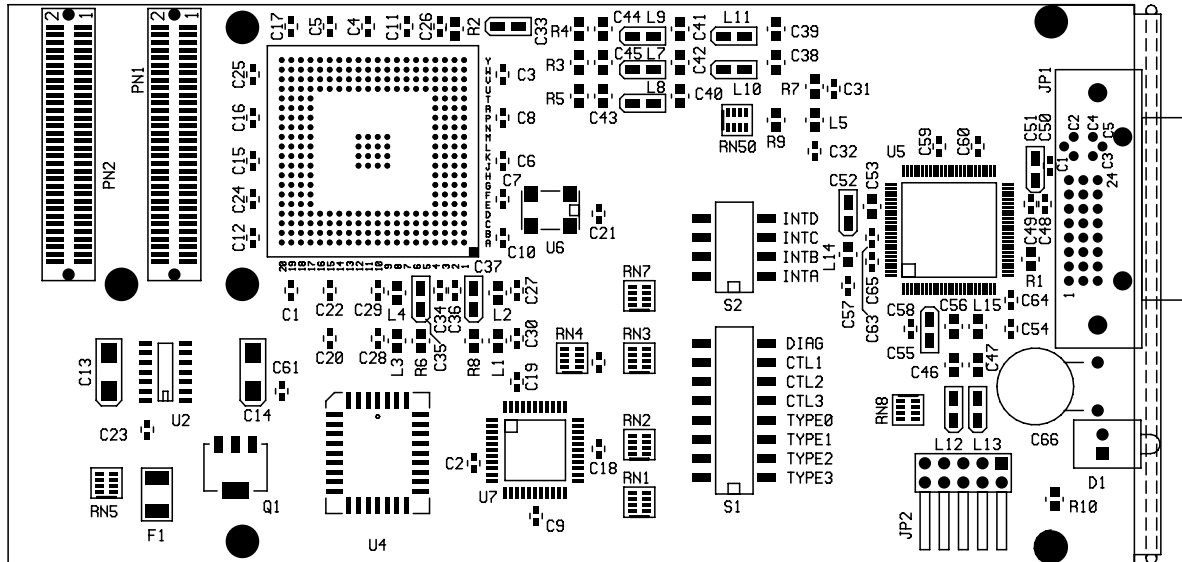
The 69030 controller provides two primary video output streams: an analog Super Video Graphics Array (SVGA) output and a parallel LCD output. The analog SVGA is conditioned by filters on the board and presented on the front panel DVI connector. The LCD interface is converted to a bit-serial Low Voltage Differential (LVD) form via a Panellink ® interface chip and is then routed to the front panel DVI connector. Both LVD and SVGA interfaces may be used simultaneously for dual monitor applications.

For LCD mode, the BIOS provides a palette of 16 possible configurations for various X by Y resolutions, color depth, and scan ordering modes. A DIP switch located on the PMC card selects these modes. Tools available from Asiliant can be used to generate BIOS memory images for modes not supplied in the default pallet.

An activity LED is visible from the front panel and can be set up by software to illuminate when the 69030 is accessed.

The DVI connector is readily supported by third-party cable and adapter suppliers to interface to standard 15-pin SVGA, DVI-A, DVI-I, 20-pin DFP, EVC, and other video connectors.

69030 Based DVI Video Controller PMC

69030 SVGA/DVI VIDEO PMC
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TOP ASSY P/N 3779
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Product Summary

Technobox Part Number:	3779
Typical Power Dissipation:	TBD watts
Power Supplies Required:	+5
PCI Signaling Environment:	5 or 3.3V Volt, 33MHz, 32 bit

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