

FEATURES AND BENEFITS

molex® MicroCross™ DVI (Digital Visual Interface) Connector System

MicroCross DVI System Offers Improved Performance and Design Flexibility

The MicroCross DVI I/O Connectors from Molex are leading the way in support of the DDWG (Digital Display Working Group) DVI interface standard. MicroCross DVI has been chosen by the DDWG as the standard digital interface for connecting a host device and display device to support high-resolution video applications. Supporting one or two digital channels driven by TMDS* (Transition Minimized Differential Signaling) and/or a high bandwidth analog interface, the MicroCross was chosen by the DDWG for its size, performance and cost. No other interface in the industry compares. The innovative crossing ground blade design and LFH™ (Low Force Helix) contact interface design provides the industry with a video interface design that will support over 1.65 Gbps per differential pair (for a total 9.9 Gbps over a dual link implementation) and 2.5GHz support for the analog interface. This provides the industry the performance head room it needs for future growth and development of video products.

This innovative approach addresses the problem of an industry in transition. By providing a single high performance interface, precious board I/O space is saved and lower system costs are achieved. The interface provides added benefits of a high cycle life interface for mobile applications and the improved EMI performance needed for high speed links. The EMI performance is achieved through the 360° shielding of the MicroCross DVI cable and connector design. The MicroCross DVI connector system and the DVI standard are moving the graphics industry to the next level by providing unmatched electrical and mechanical performance while allowing for low cost implementation.

The MicroCross DVI is backed by the DDWG Promoters Group (Intel, IBM, Compaq, HP, NEC, Fujitsu, and Silicon Image) for meeting the total system's needs for future Video I/O. The MicroCross DVI complements Molex's MicroCross P&D system, supported by the VESA's P&D and Home Theater standards. For further information or support on MicroCross products contact your local sales office today.

Supports Digital and/or Analog Video Functions in One Connector System

*TMDS is a trademark of Silicon Image, Inc.

