

VMEbus Products, Designed by Engineers with You in Mind from the Team at Dawn

SIZE: 233.35mm X 160mm

Accommodates (80) 20-pin devices directly or (90) 16-pin IC equivalents.

Provision for DIN41612 or ribbon connectors

Back row committed to ground provides ground on all odd pins. May be cut loose if desired.

Accepts any length device on .3", .4", .6" and .9" lead centers.

Low impedance "window screen" power/ground distribution for low noise & high performance.

Provision for decoupling capacitors at +5, +13v, -12v.

Bypass capacitor position with committed power and ground provided for each IC position.

DIN41612 P1 & P2 connectors supplied comply with 603-2-IEC-C096-M.

Power and ground committed on P1 & P2 and distributed across board.

## DESIGNED BY ENGINEERS WITH YOU IN MIND

**DAWN LEADS THE WAY WITH VME!**

**Dawn VME Products**, Inc. a leader in the VMEbus Standard Products arena, is proud to offer our unique and innovative line of Prototyping Boards. Our Protoboards are believed to be the finest available, as they were designed by engineers for engineers.

From layout to fabrication, the issues of **flexibility, performance** and **durability** have been engineered into the board. These boards fill all the requirements...and more!

Extensive experience and research in the VME arena has enabled **Dawn** to provide a Protoboard offering maximum versatility, state-of-the-art quality and performance.

**Dawn** Technology has been a pioneer in the field of custom R & D Applications Development and Technical Support for the past four years. **Dawn VME Products** is utilizing this technology for expansion into the VME Standard Products market.

Heavy emphasis is placed on customer awareness of our products' capabilities to assure you of complete success in your particular application. The **Dawn VME Products** Team is looking out for your growth and your future!

**\* DEALER INQUIRIES INVITED \***

**OTHER PROTOBOARDS AVAILABLE NOW:**  
**VMEPB220D (220mm) VMEPB400D (400mm)**  
**VMEPB400T (9u x 400mm)**

**VMEPB160D  
SPECIFICATIONS**

The layout provides for flexibility by accepting (80) 20-pin DIP's, or (90) 16-pin IC equivalents, on .3", .4", .6" or .9" centers. The rear edge of the board is designed to accommodate either DIN 96-pin or conventional ribbon cable wire wrap headers. For ribbon cable headers, all odd pins are committed to ground providing for automatic ground isolation of signals passed on the even pins. These pins may be easily cut free and reassigned as you choose. The +12 volts and -12 volts power feeds are bussed along the front edge of the card with several wrap pin positions provided. The P1 and P2 connectors are shipped uninstalled in case you would like to reconfigure the P1 and P2 power and ground feeds to *\*Multibus II™*.

The layout provides for **performance** by all plated through holes and a low impedance "window screen" power and ground distribution across the entire board. Ground and +5 volts are tied per the VMEbus Specification at P1 and P2 and tied solidly into the power distribution grid. In addition, the pads for a bypass capacitor are provided for each IC location, with ground and +5 volts committed to each. These pads can be easily cut free and reconnected for longer than 20-pin length devices. The board accommodates and electrolytic by-pass capacitor, Sprague P/N 150D156X9020B2, or the values of your choice, for each of +5v, +12v, and -12v as they come onto the board.

*\*Multibus™* is the registered trademark of Intel Corp.

Our Prototyping Boards are  **durable**  because they are fabricated using a special plating process that goes *one step further* than ordinary boards. After conventional copper plating, the entire board (including the holes) is plated with tin/nickel. This very hard alloy greatly increases the reworkability of the board by making the pad and trace areas virtually indestructible. **SUPERIOR SOLDERABILITY** is achieved by plating the surface of the board with bright **TIN/LEAD**.

**THE DAWN TEAM** - Committed to quality and excellence in custom R&D Applications Support. Would you like some assistance with your VME R&D applications development? Let **Dawn VME Products** provide you with that assistance. We can provide you with production ready documentation and 1<sup>st</sup> articles of your design.