



FEATURES

- Switch selectable 1/2A to 2A loads for each voltage pin
- Switch selectable 8, 16, 32, 64 MHz frequency and clock enable
- Switch selectable send/receive mode interface control
- LED indicator for each active voltage pin
- Dedicated test point for direct monitoring of backplane ground
- Pass through provision for up to nine thermocouple lead pairs
- Individual test points for direct monitoring of all VMEbus signals
- Oscilloscope ground points provided next to all signal monitoring pins
- Programmable drivers allow any pattern of highs and lows to be sent onto the bus
- Clock may be sent to any bussed signal pin or to all signal pins of backplane
- Optional air dam (passive board only along top and bottom of board)

DESCRIPTION

Dawn's Slot Load Board provides capability for system characterization and validation. Useful in a variety of test applications, the board enables collection of concrete testing data. The board is rugged, reliable and easy to use. Each board is shipped with a comprehensive user's manual detailing uses, test setup procedures, and actual test examples.

The Slot Load Board can be used to identify the characteristics of system power, backplane power, and backplane signals. System thermal analysis can also be accomplished using the Slot Load Board, providing valuable information regarding cooling studies, variable heat load, and hot spot evaluation.

SPECIFICATIONS

Environmental:

Operating Temperature:

0° to -105° C Passive

0° to +70° C Active

Humidity: <95% non-condensing at 40° C

Electrical

60 Watts at 5V

24 Watts at 12V

24 Watts at -12V

10 Watts at 5V STDBY

Weight:

¾ pound: Passive (without optional air dam)

1 pound: Active

Switch Rating:

7000 cycles (Switch life degrades with power applied.)

Connector Rating:

DIN Class II, 400 cycles

ASK *Dawn* ABOUT

System Packaging

Enclosures

Card Cages

Slot Load Boards

Power Supply Enclosures

Filler Panels

Front Panels

We welcome custom design and manufacturing work.

ORDER INFORMATION

PART NUMBER	MODEL NUMBER
11-1005475.....	VMEPLB 6U 160
11-1002734.....	VMEALB 6U 160
11-1005501.....	AIR DAM KIT



FEATURES	ACTIVE	PASSIVE
VMEbus active interface to generate and receive signals through the backplane	X	
Front panel control to send or receive signals	X	
Front panel selectable crystal controlled clock source for 8, 16, 32, 64 MHz	X	
Test points for direct monitoring of all VMEbus signals	X	
Test points for monitoring of each signal on backside of receivers	X	
Oscilloscope ground points provided next to all signal monitoring pins	X	
Programmable drivers allow any pattern of highs and lows to be sent onto the bus	X	
Clock may be sent to any or all bussed signal pins of backplane	X	
Front panel switch selectable ½ A to 2A loads for each voltage pin	X	X
LED indicator for each active voltage pin	X	X
Dedicated test points for each backplane voltage pin	X	X
Dedicated test point for backplane ground	X	X
Nine sets of holes in front panel for thermocouple leads	X	X
Provides jumpering of IACK and BUSGRANT	X	X
Optional air dam along top and bottom		X

ACTIVE

USES:

Backplane Signal Characterization

- crosstalk
- propagation delay
- integrity
- performance

Backplane Power Characterization

- ground shift
- voltage distribution
- connector contact validation

System Power Characterization

- power supply
- wiring harness
- bus bar

System Thermal Analysis

- cooling studies
- variable heat load
- hot spot evaluation

System Burn-in Load

- as shipped configuration
- full load

PASSIVE

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