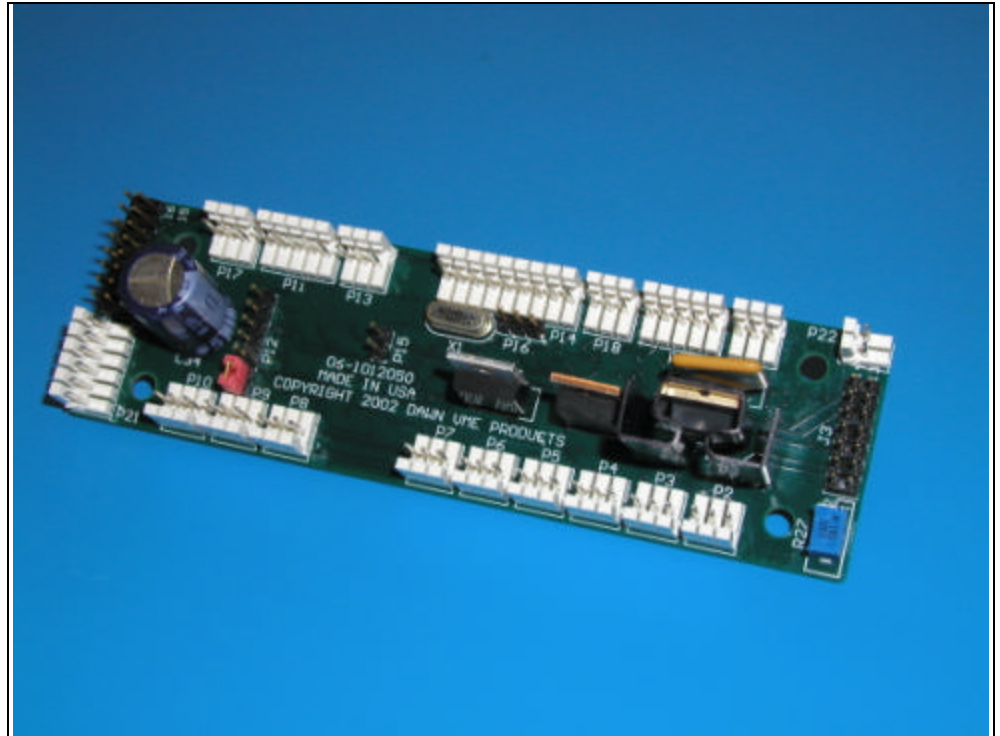


BOARD

System Monitor Board Features

- Monitors typical system voltages with 10mv accuracy
- Monitors up to 3 analog temperature sensors with an accuracy of 2 degrees C
- Monitors tachometers and provides linear speed control for up to 9 fans
- Provides 6 LED outputs plus optional LCD display
- Opto-isolated outputs controls 2 separate power supplies
- 3 separate open collector system interrupts
- RS-232 port for readout of system parameters
- 1-200ma output for driving alarms



Product Description

The Dawn VME Products System Monitor Board (SMB) provides a feature packed, yet simple, cost-effective and highly configurable method to monitor, display and control a wide variety of functions within a typical VMEbus or cPCI system.

The microprocessor controlled SMB is shipped with factory default monitoring thresholds that closely mirrors the requirements of a typical VME or cPCI system. All thresholds are easily field changed by the user should the defaults not prove satisfactory. A computer and data cable is all that is required to reprogram the unit.

The SMB provides for I/O through simple low cost easy to obtain industry standard connectors.

The SMB monitors up to 4 voltage rails, up to 9 fan tachometers, and up-to 3 temperature sensors typical of VMEbus or cPCI systems and provides for several output options,

should thresholds be exceeded, including up to 200ma for alarm, up to 6 LEDs, 2 separate power supply inhibit signals, LCD display, RS232 ASCII data, IPMIbus and 3 different system interrupts.

In addition, the SMB can provide a variable voltage output capable of linearly controlling the speed of up to 9 fans. Monitoring and control of fan speed has never been so simple.

Leading edge design by Dawn engineers, coupled with surface mount technology results in the best system health monitoring solution currently available to the market.

The self contained module is easy to install and small enough to fit into most chassis.

The combined features of this new product interacting with system software control provides the system designer tremendous power and flexibility in putting together the high availability systems today's market demands.

A comprehensive user-friendly operation manual is provided with each module.

Specifications

Size: 1.5" x 5" x 1.2"H

Monitored Inputs

System Voltages: +5, 3.3, 12, -12, with approximate 10mv accuracy

System Temperature: 3 analog sensors with an accuracy of 2 degrees C

System Fan Speed: Up to 9 fan tachometers

Outputs

Fan Speed: Variable-voltage outputs capable of linearly controlling the speed of up to 9 fans

System Interrupts: 3 separate, open collector

Status Display: LCD (Optional), 6 LED outputs

Power Supply Inhibit: 2 separate, bipolar, opto-isolated 30V, 10ma maximum

Data Output: 9600 baud, 8-bit ASCII, RS-232 port

Alarm Output: 1-200ma output for driving devices such as a SONALERT

Weight: .1 lbs.

Power Consumption: 6.5 - 25VDC or 5 - 18VAC, @ 70mA (Not including fans)

Operating Temperature: -20° to +65°C

Humidity: <95% non-condensing

Reliability: MTBF >100,000 Hrs.

ORDER

P/N

06-1012050

