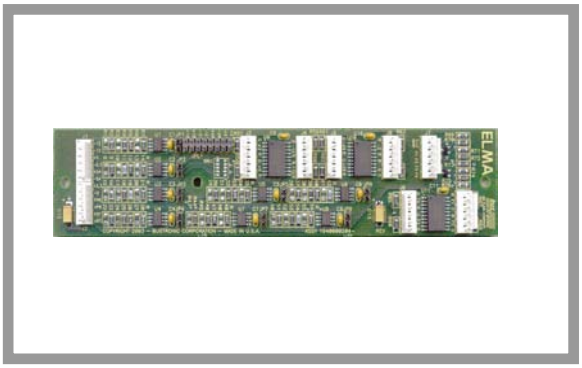
Accessories



VOLTAGE MONITOR

- Ability to directly drive up to 12 LEDs (bi-color or single color)
- Monitors up to 8 voltages (4 positive and 4 negative)
- Preset for all "standard" VXI, VME, and cPCI backplane voltages (+5V, -5.2V, +/-12V, +3.3V, +/-24V, -2.0V)
- Series and parallel pads on voltage monitors for easy changing of scaling resistors
- Ability to "OR" the outputs of several voltage indicators to drive a single LED
- Four optional LED drivers for indicating the status of fans, temp sensors, etc.
- Separate power sources for voltage monitors and optional LED drivers
- **Sold only as part of overall chassis solution**

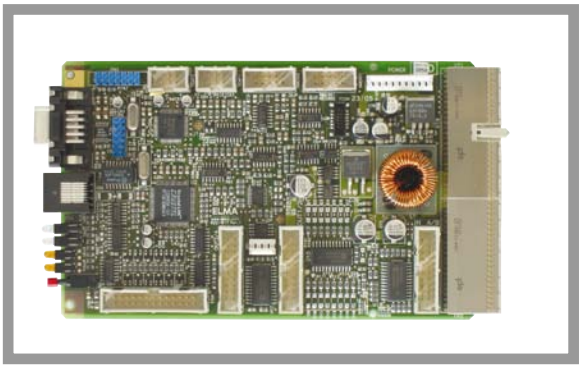
Board Specifications

2-layer design
2 oz. copper power and ground
PCB .062" thick
PCB UL recognized 94V-0
PCB FR-4 or equivalent

Mechanical Specifications

7" x 1.5"
Nine 6-pin Molex headers
(22-11-2062)

The new Voltage monitor is designed to provide fast, "go/no-go" status of backplane voltages in VME, VME64x, VXI, CompactPCI, and similar systems. The monitor can be "hard wired" into the chassis, which avoids wasting a card slot. Monitoring up to eight voltages, the monitor sends signals indicating Failure when a voltage falls within two threshold voltages set by the input resistors. There are four optional LED drivers for indicating the status of fans, temperature sensors, etc. The unit monitors voltages of +5V, -5.2V, +/-12V, +3.3V, +/-24V, -2.0V and can drive up to 12 LEDs (bi-color or single color). Built-in hysteresis prevents LED "chatter".



SYSTEM MONITOR

- Up to 8 voltages
- Monitor up to 14 temperature sensors
- Monitor and control up to 12 fans
- Ethernet interface: TCP/IP ! HTTP, Telnet protocol supported
- RS232 interface
- User configurable I/O pins
- **Order Number: 1940000199**

- Platform independent system monitor for monitoring internal system conditions including temperature, voltage, fan rotation or power supply. The system monitor uses a 16-bit microcontroller with integrated 12-bit A/D converter. It has also a built-in web page allowing the user to monitor the system operation from any place with Internet connectivity.
- Continuously monitor up to 8 external voltages: 5 positive and 3 negative. The upper and lower voltage limits are user configurable.
- Monitor up to 6 analog and 8 digital temperature sensors. The upper and lower temperature limits are user configurable.
- Monitor speed from 12 fans supporting TACH signal.
- Control fan speed control through PWM signals or input voltage.
- The on-board 10Mbps Ethernet interface enables the system monitor to be connected to an existing network. It supports TCP/IP – HTTP, Telnet protocols allowing the user to monitor the system just by using a web browser (HTTP protocol) or to configure/read the system parameters through password protected telnet commands. No special software driver is needed thus eliminating compatibility issue with different operating systems.
- RS232 interface for system parameters configuration. It uses simple interface program like Hyperterminal.
- Up to 16 digital input pins are used to monitor external events. The user has the possibility to define the inputs independently as active-hi or active-low.
- Up to 32 user configurable output pins. The outputs are independently configurable as active-hi or active-low. An output may becomes active depending on different events: voltage out of range, temperature out of range, one specified input becomes active or the user send a command to activate it.
- Provide support for VME signals like ACFAIL, SYSRESET, SYSFAIL or CPCI signals FAL#, PRST#.
- LEDs for voltage (good/fail), temperature or fan alarms display.
- 160mm x 100mm form factor available as pluggable 3U card or fixed mounted version.