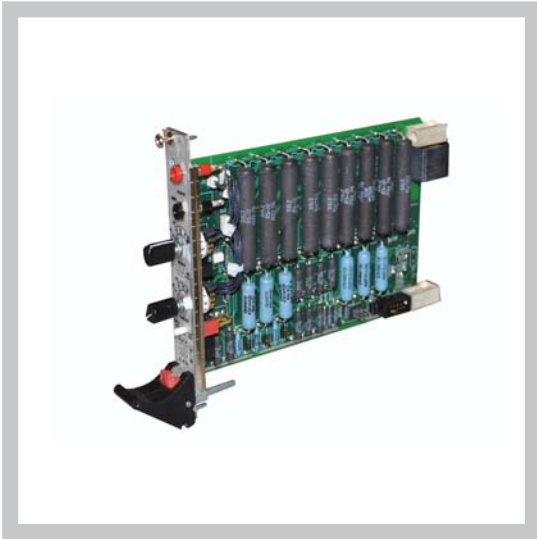


VPX LOAD BOARD - 3U



FEATURES

- Load board for VPX systems, meets ANSI/VITA mechanical and electrical connection standards
- Verifies chassis can meet power requirement and specifications for VPX
- Aids in locating hot spots in the chassis
- Go-No-Go indicators for 12V, 3.3V, 5V, +12V_Aux, -12V_Aux & 3.3V_Aux.
- Two test point outputs and microcontroller- based rotary switch selector for voltage settings, markings for SIG and GND
- Power reset button (to minimum level), SYSRESET signal on the two test point outputs
- Power level LED (1, 2, and 3) and push button (Step UP) indications
- RoHS compliant
- 6U and conduction-cooled versions are also available

DESCRIPTION

The Elma Bustronic VPX load board is designed to be compliant with ANSI/VITA mechanical and electrical connection standards. Developed to enhance testing of VME systems, the load board aids the system designer in assuring adequate chassis cooling and verifying that the VPX chassis is capable of meeting the power requirements of the system (or VITA specs). The load board functions to test a system's cooling capabilities by first applying the load to the power supply for verification and creating the necessary heat to confirm chassis cooling. By locating hot spots in the chassis, a system designer can verify where to optimally redirect the airflow to prevent overheating. The load board increases productivity by quickly and accurately characterizing systems at low cost.

The 3U VPX load card features a microcontroller-based stepped load control. The rotary switch selects the voltage setting while pushing the ON switch will cycle between different power levels shown on the LED display. The set load power levels are saved in EEPROM. The design is RoHS compliant and has an operating temperature range of 0 degrees C to 70 degrees C.

ORDER INFORMATION

Part Name	Description	Part Number
VPX Load Board	3U x 160mm	1940000345-0000R