

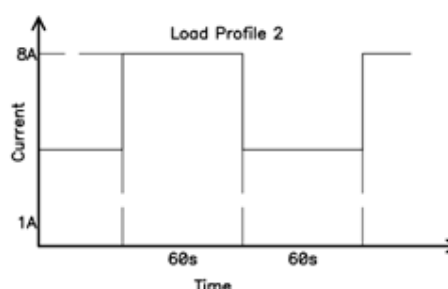
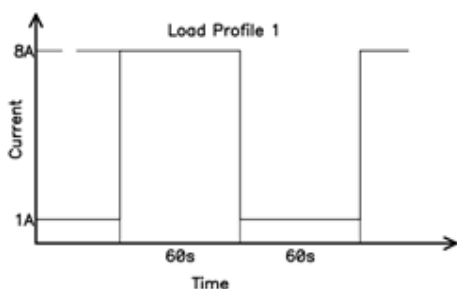
PRODUCT DESCRIPTION AND FUNCTIONS

The 3U load boards are designed to simulate the power consumption of a single board computer and other boards on the backplane. With two coding switches on the front panel it is possible to set a constant current or load profile for +5 V and +3,3 V. For +12 V and -12 V the current will be set with two jumpers on the board. 4 green LEDs on the front panel display the voltages on the backplane and 2 yellow LEDs display the over temperature status and recording activity of the temperature values. To monitor and record the board temperature, there are 2 temperature sensors located on the top and on the bottom of the load board. The recorded temperature values can be read out via serial USB interface located on the front panel.

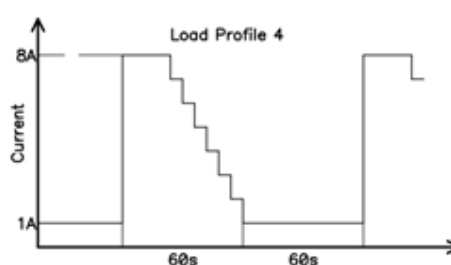
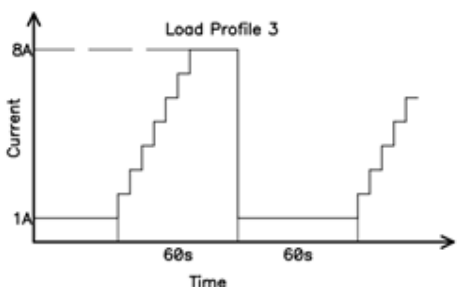


LOAD PROFILE DESCRIPTION

The load board includes 4 different load profiles for +5 V and 3,3 V



Load profile 1 and 2 simulates a step load from 1A to 8 A (load profile 1) and from 4 A to 8 A (load profile 2).



Load profile 3 and 4 simulates a step load with a slow load increase (load profile 3) or slow load decrease (load profile 4).

6U / VME64X

- › +5 V/15 A (75 W)
- › +3,3 V/15 A (49.5 W)
- › +12 V/1A (12 W)
- › -12 V/1A (12 W)

3U / VME64X

- › +5 V/8 A (40 W)
- › +3,3 V/8 A (26.4 W)
- › +12 V/1A (12 W)
- › -12 V/1 A (12 W)

3U & 6U / CPCI

- › +5 V/8 A (40 W)
- › +3,3 V/8 A (26.4 W)
- › +12 V/1A (12 W)
- › -12 V/1A (12 W)

3U / CPCI SERIAL

- › +12 V/8A (96 W)
- › +5 V STDBY / 1A (5 W)

ENVIRONMENTAL CONDITIONS

Operating temperature	-40 °C to +70 °C
Storage temperature	-40 °C to +85 °C
Humidity	95 %, non condensing

PART NUMBER DESCRIPTION

045-097	3U/90 W air cooled load board for CPCI backplane
046-712	3U/90 W conducted cooled load board for CPCI backplane
056-169	6U/90 W air cooled load board for CPCI backplane
056-921	3U/90 W air cooled load board for VME64x backplane
056-301	6U/149 W air cooled load board for VME64x backplane
056-377	3U/101 W air cooled load board for CPCI Serial backplane