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VCRAM 2081-R VME Crate Reset Assurance Module

Product Description

The VCRAM 2081-R is a single width VME module which can be used to ensure that a crate reset is generated for a fixed duration whenever the crate is powered up.

A front panel LED is illuminated for the duration of the reset pulse to provide visual confirmation of the reset operation.

Power Requirements

The module is powered from +5V derived from the VME back-plane.
 Current used: 300mA max.

Mechanical Specification

The module is a 6U high single width module fitted with P1 connector.

The front panel is equipped with a green front panel LED which is illuminated for the duration of the reset pulse.

Use of P1

The module uses the following pins:-

C11	BERR* (optional detection of Bus Error to drive a Bus Error LED (not fitted)
C12	SYSRESET* free collector TTL high-current driver goes low for a fixed duration
A21-22	IACKIN* connected to IACKOUT*
B4-5	BG0IN* connected to BG0OUT*
B6-7	BG1IN* connected to BG1OUT*
B8-9	BG2IN* connected to BG2OUT*
B10-11	BG3IN* connected to BG3OUT*
A32,B32,C32	+5V used for power
A9,A11,A15,B20,B23	GND power return.



Links

The module is fitted with two sets of linkable pins:-

LK1 Reset Switch enables manual triggering of reset in test mode

LK2 Enable - when set disables the reset operation

Both links are normally open.

Electrical Specification

SYSRESET* is generated for 160ms +/-20% on crate power up.

The circuitry ensures that intermittent power-down and power-up will generate reset for at least 80ms.