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HIGHLAND TECHNOLOGY

V280 48-channel VME isolated digital input module

Features

- 48 channels of isolated digital input
- Available in 24V and 5V nominal input versions
- Overvoltage and reverse-voltage protection
- Independently programmable rise and fall time responses for contact debounce or AC inputs
- Glitch-catch capability
- Transparent built-in self-test (BIST)
- Input state readout at full VMEbus speed without handshaking
- Clearly labeled dipswitches set VME address; no jumpers, headers, or trimpots



The V280 is a single-wide, 6U VME module that includes 48 isolated logic inputs. It is available in versions for nominal 5 volt or 24 volt input levels. The V280 has independently programmable rising and falling edge response times to support contact debounce, glitch catching, and DC or AC inputs.

The V280 is protected against reverse polarity input and overvoltages, and includes fast, transparent built-in self-test (BIST).

18 Otis Street San Francisco, CA www.HighlandTechnology.com tel: 415 551-1700 fax: 415 551-5129

Specifications : V280 48-channel VME isolated digital input module

FUNCTION	48-channel isolated digital input VME module
DEVICE TYPE	16-bit VME register-based slave: A24:A16:D16 Implements 256 16-bit registers at switch selectable addresses in the VME 16 or 24 bit addressing spaces
INPUTS	V280-1 Nom input +5 volts Threshold 2.5 volts typical ± 10 volts operation ± 20 volts max V280-2 Nom input +24 volts Threshold 11 volts typical ± 35 volts operation ± 50 volts max
ISOLATION	± 200 volts continuous
DIGITAL DEBOUNCE	Risetime and falltime programmable in three 16-channel groups, 20 µs to 655 ms with 10 µs resolution
OPERATING TEMPERATURE	0 to 70°C operating -20 to 80°C storage
POWER	VME supplies : + 5 volts, 0.4 amp max + 12 volts, 0.02 amp max - 12 volts, 0.02 amp max
CONNECTORS	P1 VME connector P2 connector for mechanical stability, no D32 VME access J1, J2 50-pin SCSI females, each 24 channels
INDICATORS	LEDs indicate VME access, CPU activity, error conditions; additional LED is user programmable
PACKAGING	6U single-wide VME module
CONFORMANCE	ANSI/VITA 1-1994 (R2002) VMEbus spec

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