MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

NATIONAL INSTRUMENTS

PXI-2532B

PXI MATRIX SWITCH MODULE

Used with the applicable NI PXI switching configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: NI PXI-2532B product data

DEVICE SPECIFICATIONS

NI PXI/PXIe-2532B

512-Crosspoint Matrix

This document lists specifications for the NI PXI/PXIe-2532B (NI 2532B) 512-crosspoint matrix. All specifications are subject to change without notice. Visit *ni.com/manuals* for the most current specifications.

Topology	1-wire 4 x 128 matrix, 1-wire 8 x 64 matrix, 1-wire 16 x 32 matrix, 1-wire dual 4 x 64 matrix, 1-wire dual 8 x 32 matrix, 1-wire dual 16 x 16 matrix, 1-wire quad 4 x 32 matrix, 1-wire sixteen 2 x 16 matrix, 2-wire 4 x 64 matrix, 2-wire 8 x 32 matrix, 2-wire 16 x 16 matrix, 2-wire dual 4 x 32 matrix

Related Information

Refer to the NI Switches Help for detailed topology information.

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About These Specifications

Specifications characterize the warranted performance of the instrument under the stated operating conditions.

Typical Specifications are specifications met by the majority of the instrument under the stated operating conditions and are tested at 23 °C ambient temperature. Typical specifications are not warranted.

All voltages are specified in DC, AC_{pk}, or a combination unless otherwise specified.

Clean devices and terminal blocks by brushing off light dust with a soft, nonmetallic brush. Remove other contaminants with a soft, lint-free, dampened cloth. Do not use detergent or chemical solvents. The unit must be completely dry and free from contaminants before returning to service.

Caution Refer to the *Read Me First: Safety and Electromagnetic Compatibility* document for important safety and electromagnetic compatibility information. To obtain a copy of this document online, visit *ni.com/manuals*, and search for the document title.

Caution The protection provided by the NI 2532B can be impaired if it is used in a manner not described in this document.

Input Characteristics

Maximum switching voltage

Channel-to-channel.....100 V

Channel-to-ground.....100 V, CAT I

Caution This module is rated for Measurement Category I and intended to carry signal voltages no greater than 100 V. This module can withstand up to 500 V impulse voltage. Do not use this module for connection to signals or for