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NI PXI-2521

40-Channel, 2 A DPST Relay Module

- Available Q1 2013
- 40 independent DPST relays, 2 A switching/2 A carry
- 150 V maximum voltage
- Fully software programmable
- Onboard relay count tracking
- Multiple termination options for DIN160 connector



Overview

The NI PXI-2521 is a general-purpose 40-channel switch module that features independent double-pole single-throw (DPST) armature relays. Each relay is nonlatching with very low on-resistance and low thermal offsets. The PXI-2521 can switch up to 2 A or 150 V. With an efficient coupling of voltage/current capability and relay density, this switch module is ideal for automated test equipment (ATE) loads or for controlling heaters, lights, and fans.

Specifications

Specifications Summary

General

Product Family	Switches
Form Factor	PXI Platform
PXI Bus Type	PXI Hybrid Compatible
Part Number	778572-22
Product Name	PXI-2522

Switches

Switch Type	General-Purpose Relay
Max Switching Voltage DC (Pollution Deg. 2)	100 VDC
Max Switching Current	2 A
Maximum Carry Current	2 A

Maximum Switching Power	60 W
Bandwidth	51 MHz
Relay Type	Electromechanical
Relay Count Tracking	Yes
Product Certifications	RoHS , UL - Product Safety , CE
Path Resistance (Typical)	0.5 Ohm
Thermal EMF	12 μ V

Pricing

No part number and pricing information available for NI PXI-2521.

Services

System Assurance Programs

Reduce your setup time and total cost of ownership, and get a system you can use out of the box with National Instruments system assurance programs. System assurance programs include:

- Installation and integration test of all individual hardware
- Courtesy installation of system driver sets and application development environments
- Extended warranty and calibration coverage for up to five years
- Custom documentation plus a custom restore and startup utility

This service is only available for PXI, NI CompactRIO, and NI Compact FieldPoint systems.

- Learn More about System Configuration and Deployment Services [<http://www.ni.com/services/configuration.htm>]
- Customize Your CompactRIO System [<http://ohm.ni.com/advisors/crio>]
- Customize Your Compact FieldPoint System [<http://ohm.ni.com/advisors/cfp>]
- Customize Your PXI System [<http://ohm.ni.com/advisors/pxi>]
- Talk to an Expert about Custom System Configurations [[javascript:openCallMeWindowCTA\(document.referrer,%20'US'\)\]](#)]

Extended Warranties

National Instruments designs and manufactures all products to minimize failures, however unexpected failures can still occur. Extended warranties provide a fixed economical price at the time of system purchase, covering any repair costs for up to three years. In addition, they offer the following benefits:

- Significant cost savings compared to individual repair incidents
- Fault location, diagnostics, and repair by NI any time the system product fails
- All parts and labor costs covered as well as any adjustments needed to restore the hardware to manufacturing specifications

For more information about your warranty options:

- Learn More about Warranty Services [<http://www.ni.com/services/warranty.htm>]
- Talk to an Expert about Extended Warranties [[javascript:openCallMeWindowCTA\(document.referrer,%20'US'\)\]](#)]
- View Warranty Repair Policies [http://www.ni.com/services/warranty_repair_policies.htm]

Calibration

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. NI provides manual calibration procedures, services to recalibrate your products, and automated calibration

software to calibrate many NI measurement products.

- Learn More about Calibration Services [<http://www.ni.com/services/calibration.htm>]

Training

NI training is the fastest, most certain route to productivity with NI tools and successful application development.

- Learn More about NI Training and Certification [<http://www.ni.com/training/>]
- Find a Course Near You and View Schedules [<http://sine.ni.com/tacs/app/fp/p/ap/ov/pg/1/>]

Repair Services

Return your registered product under warranty at no additional labor and parts cost. NI offers fault location, diagnostics, and repair any time the system fails as well as any adjustments needed to restore the hardware to manufacturing specifications.

- Learn More about Repair Services [<http://www.ni.com/services/warranty.htm>]
- Contact NI to Obtain a Return Material Authorization (RMA) Form and Shipping Instructions [http://sine.ni.com/apps/utf8/nicc.call_me]
- View Your RMA Support Request Status Online [<http://www.ni.com/support/servicereq/>]
- Register Your Product [<http://www.ni.com/register>]

Technical Support

[ni.com/support](http://www.ni.com/support) [<http://www.ni.com/support/>]

Resources

Additional Product Information

- Manuals (3)

Related Information

- NI PXI Switch Product Selection Guide