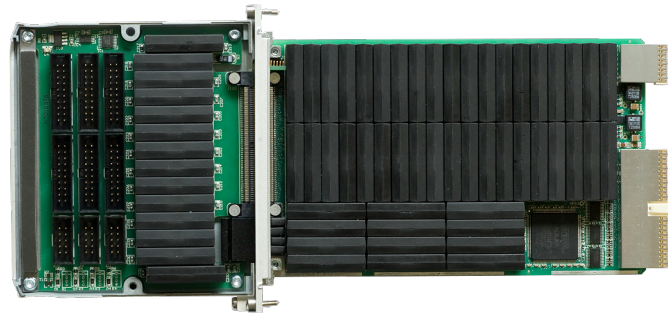


KT-PXI-502 Switching Matrix 128x4 Channels



- High Speed and high density switching matrix
- Single Slot PXI Module
- Optimized for fast ICT applications
- High voltage and current for functional test applications
- Cost effective maintenance / relay replacement
- Multiple matrix topologies supported



Applications:

- High-density switching in ATE systems
- Optimized speed at in-circuit test applications
- Automotive, aerospace, medical and other applications

Technical Data:

The KT-PXI-502 is a high performance switching matrix, optimized for in-circuit test applications where channel switching is critical at short circuit and continuity measurements. The matrix is offered as a single slot PXI module with 100x4 channels on the base board and additional 28x4 channels on the terminal block, offering a 128x4 high density switching matrix. The matrix can be extended by plugging in additional PXI modules using the Konrad matrix extension cabling kit.

Matrix topologies:	Per software configurable	
	• 100x4, or 50x8 (KT-PXI-502 only)	
	• 128x4, or 64x8 (KT-PXI-502 + KT-TB-502-MTX-28x4)	
Relays:	Easy replacement without special SMD tooling, 8 relays in one TMD housing	
	All relays can be controlled independently at the same time	
Input characteristics:	Maximum switching voltage:	60 V DC/AC
	Maximum switching current:	0.75 A DC/AC
	Maximum switching power:	10 W / 10 VA
	Relay switch time (incl. bouncing):	0.5 ms
Compatibility:	3U PXI systems	
	PXI Trigger bus	
	Pin compatible to Konrad terminal module for NI PXI-2532 configuration	
	CE compliant, RoHS compliant	
Environmental Conditions:	Temperature range:	+5°C to +40°C
	Relative humidity at +40°C:	95%
Ordering information:	KT-PXI-502:	G168000
	KT-TB-502-MTX-28x4:	G168001
	KT-TB-502-WIRE:	G168002

Software Support

Driver for Windows XP and Windows 7

DLL for development of test applications in Visual C/C++, NI LabVIEW, NI LabWindows CVI, Visual Basic, etc.

Test steps for integration into NI TestStand

Automotive +++ Avionics +++ Semiconductors +++ Telecommunication +++ Medical +++ Industrial