

GX6338

HIGH DENSITY SWITCHING PXI CARD

- 114 channels of single pole, single throw (SPST) Form A relays
- 0.5 A contact rating per channel
- 78 pin D-sub connectors



DESCRIPTION

The GX6338 is a low cost 6U switching card with 114 individual low level SPST Form A relays capable of switching 0.5 A at 200 VDC. The GX6338 is ideal for applications requiring high density switching.

FEATURES

The GX6338 consists of three groups: A, B, and C. Each group has 38 individual relays and a 78-pin D type connector. Each of the relays can be latched or unlatched under program control.

PROGRAMMING AND SOFTWARE

The board is supplied with the GXSW library, a software package that includes a virtual instrument panel, and a Windows 32/64-bit DLL driver library and documentation. The virtual panel can be used to interactively program and control the instrument from a window that displays the instrument's current settings and status. In addition, interface files are provided to support access to programming tools and languages such as ATEasy, LabView, LabView/Real-Time, C/C++, Microsoft Visual Basic®, Delphi, and Pascal. An On-Line help file and PDF User's Guide provides documentation that includes instructions for installing, using and programming the board.

A separate software package - [GtLinux](#) - provides support for Linux 32/64 operating systems.

APPLICATIONS

- Automatic Test Equipment (ATE)
- Data Acquisition Systems
- Process Control Systems
- Factory Automation
- High density switching systems

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SPECIFICATIONS

CONTACT SPECIFICATIONS	
Relay Format	114 SPST (1 Form A)
Relay Contact Resistance	0.2 Ω (max)
Contact Life Rating at Low Level at 28 VDC @ 0.5 A	10 x 10 ⁶ (typ) 5 x 10 ⁶ (typ)
Switchable Voltage, Maximum	200 VDC
Switchable Current	0.5 A
Contact Carry Current	1.2 A
Operate Time	500 μ s (max)
Release Time	250 μ s (max)
POWER REQUIREMENTS	
Power Consumption +3.3 V +5 V	100 mA (max) 600 mA (typ); 1.1 A (max)
ENVIRONMENTAL	
Operating Temperature	0 °C To +50 °C
Storage Temperature	-20 °C To +70 °C
Vibration	9 G At 10 - 55 Hz
Shock ½ Sine	10 G For 11 Ms
PHYSICAL	
Size	6U PXI
Weight	500 G
Connections	78-Pin D Sub-Type Connectors. Includes Three Mating Connectors.

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GX6338	114 Channel Form-A Relay card
ACCESSORY	
GT96002	Connector, D-Type 78-Pin Male with Crimp Pins
GT96078	78-Pin Connector to Screw Terminal Interface
GT96107	3' harness, 78 pin male connector on Both ends
GT97102	3' harness, 78 pin male connector on one end, loose wires (numbered) other end
GT97103	1' harness, 78 pin male connector on one end, loose wires (numbered) other end
GT97104	1' harness, 78 pin male connectors on both ends
GX96302	Replacement Relay for GX6616 & GX6338
GX96106	6' harness, 78 pin male connector on Both ends