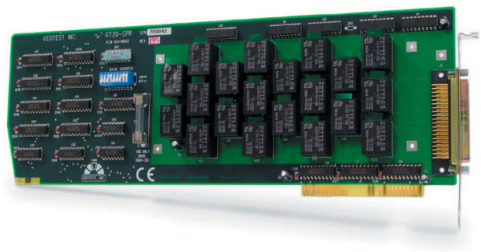
GT6020

HIGH CURRENT RELAY ISA CARD

- 20 individual high-current SPDT form C relays
- 5 A contact rating per channel
- 12 additional relay drivers for external relays or indicators
- Occupies one ISA slot
- DISCONTINUED - SEE DETAILS BELOW



*****PRODUCT AVAILABILITY*****

This product has been discontinued.

The initial release of this product was approximately 1990.

Please contact the factory for availability and alternate product offerings.

Please review the GX6115 Series for the latest product alternatives.

DESCRIPTION

The GT6020 is a 20-channel, high-current relay board that plugs directly into any 8-bit I/O slot of an IBM compatible computer. The GT6020 provides an additional 12 transistor-driven channels for external relays in the form of open-collector transistors providing up to 500 mA of sink current.. These outputs may be used to drive external relays for a total of 32 relay controls per each GT6020 card. A 78 pin D connector provides access to 20 sets of NC (normally closed), CO (common), and NO (normally open) contacts.

FEATURES

The GT6020 consists of 20 individual relays and 12 open collector outputs. A 78-pin D connector provides access to 20 sets of NC (normally closed), CO (common), and NO (normally open) contacts. In addition, the GT6020 provides 12 external relay drivers in the form of open-collector transistors providing up to 500 mA of sink current.

PROGRAMMING AND SOFTWARE

The board is supplied a 16 and 32-bit DLL driver. Various interface files provide access to the DLL from programming tools and languages such as ATEasy, LabView, C/C++, Microsoft Visual Basic®, Delphi, and more. The available virtual panel can be used to interactively adjust and control the instrument from a window that displays the current instrument settings and measurements.

On-Line help file and PDF User's Guide provides documentation that includes instructions for installing, using and programming the board.

APPLICATIONS

- Automatic Test Equipment (ATE)
- Power switching
- Alarm outputs
- Data acquisition Systems
- Process control systems

LEGACY

GT6020

SPECIFICATIONS

CONTACT SPECIFICATIONS	
Relay Format	20 SPDT Form C
Relay Contact Resistance	<0.1 (max)
Contact Life Rating	at low level 10 x 10^6 (typ) 28 VDC @ 0.5 A 5 x 10^5 (typ)
Switchable Voltage	120 VAC / 150 VDC
Switchable Current	3 A
Contact Carry Current	5 A
Operate Time	10 ms
Maximum Release Time	5 ms
DRIVER OUTPUTS	
Driver Channels	12
Current	500 mA sink
POWER REQUIREMENTS	
Operating Voltage	+5 VDC
Power Consumption	1.75 A (max)
ENVIRONMENTAL	
Operating Temperature	0 °C to +50 °C
Storage Temperature	-20 °C to +70 °C
Vibration	10 G at 500 Hz
Shock ½ Sine	20 g for 6 ms
PHYSICAL	
Size	13.25" x 4.875"
Weight	1000 g

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GT6020	High-Current Relay card, 20 form C relays, with mating connector (Replaces GT-20 GPR)
ACCESSORY	
GT96078	78-Pin Connector to Screw Terminal Interface
GT97103	1 ft Harness, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT97104	1 foot Harness, 78-Pin Male Connector on Both Ends
GT97102	3 ft Harness, 78-Pin Male Connector on One End, Loose Wired (Numbered) Other End
GT96107	3 Feet Harness, 78-Pin Male Connector on Both Ends
GX96106	6 ft. Harness, 78 Pin Male Connector on Both Ends
GT96102	Replacement Relay for GT6020 and GT7404
GT96002	Connector, D-Type 78-Pin Male with Crimp Pins

LEGACY