

GT6040 SERIES



SCANNER/MULTIPLEXER ISA CARD

- High-density RF multiplexer
- Four groups of 1 x 4 multiplexer scanners (GT6042A)
- Eight groups of 1 x 4 multiplexer scanners (GT6041B/6042B)
- Occupies one ISA slot
- Fully software programmable
- 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 GX6021 for the latest product alternatives.

APPLICATIONS

- Automatic Test Equipment (ATE)
- Parametric measurements
- Engineering verification
- Hi-density switching systems
- RF communications

DESCRIPTION

The GT6041/6042 are high-density switching cards that provide 200 MHz bandwidth. The GT6042A has four groups of 1 x 4 multiplexer scanners; the GT6041B/6042B have eight groups of 1 x 4 multiplexer scanners. The GT6041B/6042B's eight groups of multiplexer scanners can be software configured to provide switch paths that maintain 200 MHz bandwidth. The GT6041B provides single-ended, non-terminated inputs; the GT6042A/B provide differential inputs. All GT6041/6042 switching cards plug directly into an ISA bus I/O slot of an IBM PC/AT or compatible computer.

PROGRAMMING AND SOFTWARE

The board is supplied a 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.



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SPECIFICATIONS

CONTACT SPECIFICATIONS	
Relay Contact Resistance	<0.2
CONTACT LIFE RATING	
Switchable Voltage, Maximum	200 VDC
Switchable Current	0.5 A (max)
Contact Carry Current	1 A (max)
Operate Time	6 ms
Release Time	3 ms
POWER REQUIREMENTS	
Operating Voltage	+5 VDC; 600 mA
Power Consumption	1.2 A (max), (typ)
TEMPERATURE	
Operating	0 °C to +40 °C
Storage	-10 °C to +70 °C
Vibration	5 G at 500 Hz
Shock 1/2 Sine	5 G for 6 ms
PHYSICAL	
Size, Full Size ISA Slot	13.25" x 4.875"
Weight	510 g

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GT6041B	8 Groups, 1 x 4 RF Multiplexer (Replaces GT41B-RFS)
ACCESSORY	
GX96403	Mating Coax Connector and 20 Coax Pins
GX96404	Mating Coax Connector and 20 Coax Pins Crimped (One End) to 3 Foot Wires
GX96404-60	Mating Coax Connector with 20 Coax Pins Crimped (One End) to 5 Foot Wires
GX96405	Mating Coax Connector and 20 Coax Pins Crimped (Both Ends) to 3 Foot Wires
GX96405-60	Mating Coax Connector and 20 Coax Pins Crimped (Both Ends) to 5 Foot Wires
GT96406	Mating Coax Connector with 20 Coax Pins Crimped to 3 Foot Wires with BNC Connectors
GX96407	MMS Pin Extraction Tool
GX96408	Burndy Pin Extraction Tool
GX96409	Mating Coax Connector, No Pins
GX96410	Coax Connector Pin for GX96409, package of 20
GX96411	One 3 Foot Coax Wire with a Coax Pin Crimped on One End
GX96412	One 3 Foot Coax Wire with a Coax Pin Crimped on One End and BNC on Other End
GT96402	Replacement Relay for GX6021 and GT6041