

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Chroma 52906* at our website: ***Click HERE***



EXTENSION CARD

MODEL 52906

The function of PXI extension card is to extend the PXI backplane signal outside of the chassis. Inserting the PXI card to extension card can easily check or measure the PXI card's signal under power on condition, which resolves the problems of inconvenient inspection due to the PXI card inside the chassis for RD or maintenance personnel. PXI extension card is able to isolate the voltage and signals sent to the PXI card for hot swap when the system is powered on. Every time the extension card activates it can supply the power required for PXI initialization. It eliminates the need for rebooting PC when users read and re-write the configuration files.

PXI extension card allows users to measure the voltage consumption power of PXI standard 5 sets voltage easily using the voltage meter. The extension card has over current protection circuit that can prevent the system backplane and other related components from damage once the PXI card malfunctions. Jumpers on the extension card are available for users to define the current range for protection; in addition an outward power connector is attached to supply the power externally instead of using the backplane power.

MODEL 52906

KEY FEATURES

- Extend PXI backplane signals
- 3U 64-bit PXI extension card available for hot swapping PXI card
- Extend PXI BUS to outside of chassis, easy for inspection
- Able to use voltage meter to measure the power consumption of +5V, +3.3V, +12V, -12V and VIO
- Use Jumper to control the cutoff current
- Power is controlled by mechanical switches
- Provide external power device
- Provide short circuit protection

Test Board



PXI Systems Alliance

Chroma

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

SPECIFICATIONS

Model	52906
BUS	PXI / Compact PCI 32 or 64 bit
Input Requirement	5V at 250 mA, 12V at 100 mA, -12V at 100 mA
Input for UUT	From chassis or the external power, configurable by jumpers for each power source
Output Current Limit Protection	5V, up to 5 Amps, 3 limitations jumper selectable 3.3V, up to 3 Amps, 3 limitations jumper selectable VIO, up to 2 Amps, 3 limitations jumper selectable 12V, up to 1.25 Amps, 3 limitations jumper selectable -12V, up to 1 Amp, 3 limitations jumper selectable
Output Voltage Drop	0.07 volts drop for every 1 Amp drawn for 5V, 3.3V; 0.1 volts drop for every 1 Amp drawn for VIO; 0.25 volts drop for every 1 Amp drawn for 12V; 0.15 volts drop for every 1 Amp drawn for -12V
Propagation Delay	Less than 500 pico-seconds from the PC BUS to the UUT (Switch propagation delay is rated at 250 Pico-seconds)
UUT ON-OFF Controls	Via SPDT switch on-board
Outputs	Current draw by the UUT can be measured at connector J5 for 5V, 3.3V, 12V, -12V and VIO. Each volt represents 1 Amp.
Current Sense Accuracy	Typical below 10% for 5V, 3.3V, 12V, and VIO; below 15% for -12V
Mechanical Dimensions	100 x 220 mm (3U high)

ORDERING INFORMATION

52906 : Extension Card

Developed and Manufactured by :

Worldwide Distribution and Service Network

HEADQUARTERS
CHROMA ATE INC.
66 Hwaya 1st Rd., Kueishan
Hwaya Technology Park,
Taoyuan County 33383, Taiwan
Tel: +886-3-327-9999
Fax: +886-3-327-8898
http://www.chromaate.com
E-mail: info@chromaate.com

U.S.A.
CHROMA ATE INC.(U.S.A.)
7 Chrysler Irvine,
CA 92618
Tel: +1-949-421-0355
Fax: +1-949-421-0353
http://www.chromaus.com
E-mail: info@chromaus.com

EUROPE
CHROMA ATE EUROPE B.V.
Morsestraat 32, 6716 AH Ede,
The Netherlands
Tel: +31-318-648282
Fax: +31-318-648288
http://www.chromaeu.com
E-mail: sales@chromaeu.com

JAPAN
CHROMA JAPAN CORP.
472 Nippa-cho, Kouhoku-ku,
Yokohama-shi, Kanagawa,
223-0057 Japan
Tel: +81-45-542-1118
Fax: +81-45-542-1080
http://www.chroma.co.jp
E-mail: info@chromaate.com

CHINA
CHROMA ELECTRONICS (SHENZHEN) CO., LTD.
8F, No.4, Nanyou Tian An
Industrial Estate, Shenzhen,
China PC: 518052
Tel: +86-755-2664-4598
Fax: +86-755-2641-9620

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP