



## 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

## 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.

### Test Board



## SPECIFICATIONS

<b>Model</b>	<b>52906</b>
<b>BUS</b>	PXI / Compact PCI 32 or 64 bit
<b>Input Requirement</b>	5V at 250 mA, 12V at 100 mA, -12V at 100 mA
<b>Input for UUT</b>	From chassis or the external power, configurable by jumpers for each power source
<b>Output Current Limit Protection</b>	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
<b>Output Voltage Drop</b>	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
<b>Propagation Delay</b>	Less than 500 pico-seconds from the PC BUS to the UUT (Switch propagation delay is rated at 250 Pico-seconds)
<b>UUT ON-OFF Controls</b>	Via SPDT switch on-board
<b>Outputs</b>	Current draw by the UUT can be measured at connector J5 for 5V, 3.3V, 12V, -12V and VIO. Each volt represents 1 Amp.
<b>Current Sense Accuracy</b>	Typical below 10% for 5V, 3.3V, 12V, and VIO; below 15% for -12V
<b>Mechanical Dimensions</b>	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  
Taoyuan County 33383, Taiwan  
Tel: +886-3-327-9999  
Fax: +886-3-327-8898  
<http://www.chromaate.com>  
E-mail: [info@chromaate.com](mailto: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](mailto: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](mailto: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](mailto: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