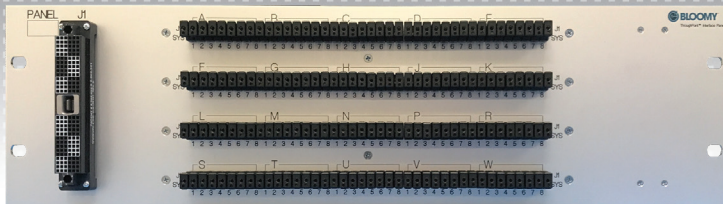




Automated test solutions for the entire product lifecycle



## ThroughPoint™ Interface Panel

### *Fast and flexible connections for SLSC system integration*

The Bloomy ThroughPoint™ Interface Panel provides a simple, yet highly-flexible, connection between the unit under test and resources in a National Instruments Switch/Load/Signal Conditioning (SLSC)-based test system.

The panel uses Virginia Panel Corporation's highly-reliable, high-density i2 Micro iCon connector to route 160 UUT signals to multiple SLSC modules and other system resources.

Connections within the system are made with standard D-shell connectors. Each of the UUT signals passes through a pair of standard 2mm test points which allows each signal to be disconnected, probed and patched for the ultimate in test flexibility. Unlike breakout boxes, which often get "borrowed" on a semi-permanent basis, the breakout functionality built into the system cannot be removed and is always available.

The ThroughPoint panel also provides SLSC-based test systems with the ability to perform self-check and calibration. A secondary path from each pin of the UUT connector may be connected to additional SLSC resources. This additional path allows each simulation signal to be checked and calibrated using calibrated PXI-based resources such as a digital multimeter or source/measurement unit. When used with test scripts created for a system which incorporates this functionality, one-button verification of the integrity of the system saves invaluable troubleshooting time and reduces operator frustration.

The secondary path also allows for simultaneous data acquisition of UUT signals with the addition of PXI-based data acquisition resources. This capability does not prevent the use of the self-test/calibration feature.

### FEATURES

- Simple integration with National Instruments SLSC system
- 160 signals with 100% test point coverage
- Highly-reliable, reduced insertion-force UUT connector
- 36 keying combinations for mistake-proof UUT connections
- Reduced system leadtime and operating costs
- Optional right-handed configuration for high density applications

The ThroughPoint panel also reduces integration time by using standardized connectors and pinouts in this type of SLSC system. All connections to the panel are made using off-the-shelf D-shell cables (also available from Bloomy) consisting of HD44 and D9 connectors. These cables reduce the hand wiring in the system which reduces effort and errors.

The combination of off-the-shelf ThroughPoint Interface Panels and other compatible SLSC devices results in simplified internal cabling, substantially reduced build schedules, and reduced non-recurring engineering effort. Automated calibration and 100% self-check coverage further reduces system operating costs and enhances the usability of the system.

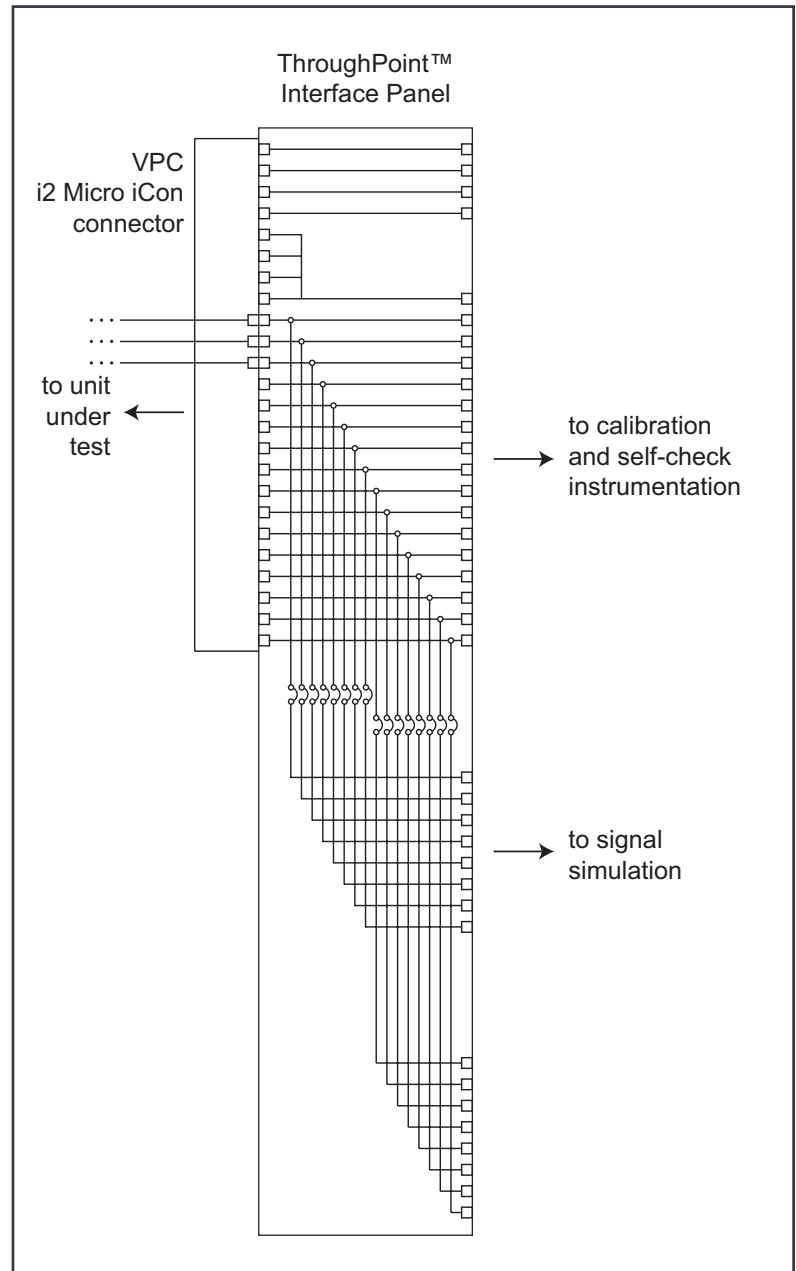
## SPECIFICATIONS

INSTRUMENTATION	
Front Panel Connector	Vignia Panel Corporation i2 Micro iCon, 168 pin
Maximum Voltage	60VDC (contact Bloomy for higher voltage applications)
Maximum Current	2A per pin
Height	3U (5.25")
Width	19"
Compatibility	All 44-pin SLSC modules

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
1200-00020-00	Legacy ThroughPoint™ Interface Panel (not recommended for new designs)
1200-00020-01	ThroughPoint™ Interface Panel, left VPC
1200-00020-02	ThroughPoint™ Interface Panel, right VPC

## FUNCTIONAL DIAGRAM



Call 860-298-9925 or visit  
[www.bloomy.com](http://www.bloomy.com)