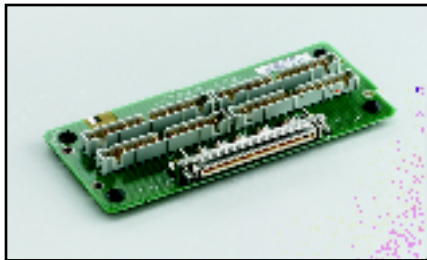# Screw Terminal Accessory Boards



**CONN-3160-D1:** Screw Terminal Panel. The CONN-3160-D1 Adapter Panel brings all KPCI-3160 digital I/O signals out to an external panel via 50-pin headers. This panel allows connection of the ADP-5037 to allow the KPCI-3160 to operate the SRA-01 or ERA-01, ERB-24 or SSIO-244 relay products or to allow digital connections via the STP-50 or STA-50 Screw Terminal Panel and Accessory boards. Requires the CAB-1800 or CAB-1800/S cable.

**DIN-KIT:** Hardware for mounting STP-37/C, STP-37/FC or STP-50/C on a DIN rail.

**STA-08:** The STA-08 provides one 37-pin D-type male connector for hook up to the DAS-800. All signals are routed to labeled screw terminal connections. The digital I/O lines are connected to 7 LEDs to indicate their status. A small breadboard area with power is provided.

**Dimensions:** 5.2˝L × 6.7˝W × 2.3˝H
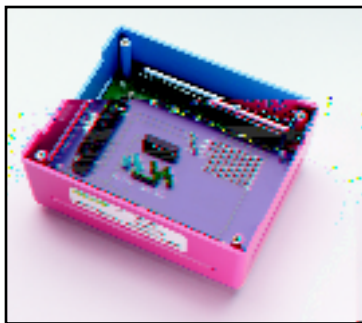


**STA-08PGA:** The STA-08PGA provides one 37-pin D-type male connector for hook up to the DAS-801 and DAS-802. All signals are routed to labeled screw terminal connections. The digital I/O lines are connected to 7 LEDs to indicate their status. A small breadboard area with power is provided.

**Dimensions:** 5.2˝L × 6.7˝W × 2.3˝H
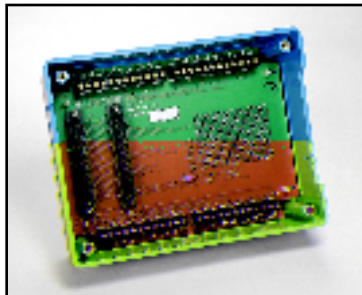
**STA-16:** The STA-16 is the screw terminal accessory for the DAS-1600/1400/1200 Series. It contains two 37-pin D-type male connectors. This allows a C1800 cable to be used for connection to the data acquisition board and the S1600 cable can be used to connect to an EXP-GP or other accessory board. All signals from the data acquisition board are brought out to labeled screw terminals. The analog input channels are separated by analog ground connections. A breadboard area is included for custom circuitry. Plated through holes are also available on each line for additional components.

**Dimensions:** 5.2˝L × 6.7˝W × 2.3˝H



**STA-50:** The STA-50 is a universal 50-pin screw terminal board. Two 50-pin male connectors and a user breadboard area are provided. The signals on the two connectors are tied together and brought out to screw terminals. Requires a CACC-2000 cable.

**Dimensions:** 13.2cm × 17.0cm × 5.8cm
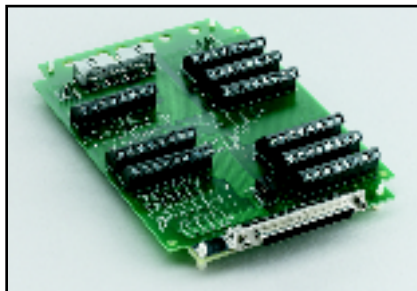


**STA-300:** Screw Terminal Accessory. Mounts on a panel and includes nylon standoffs for tabletop applications. Requires a CAB-305 cable.
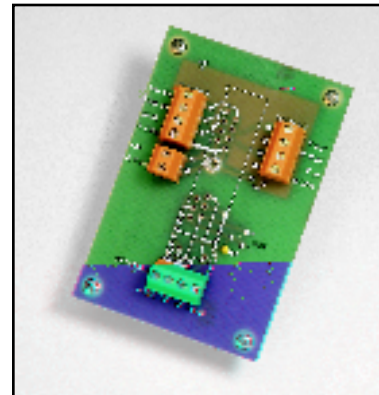


**STA-1360:** The STA-1360 is a single-channel backplane for the MB-Series modules. It accepts one MB-Series module. All connections are brought out to screw terminals. It can be used in applications where only one signal conditioning module is needed or as a convenient adapter for test or evaluation purposes. Standoffs are included so the board can be easily located on any flat surface. Includes ¾˝ standoffs.

**Dimensions:** 4.3˝ × 2.9˝ (10.8cm × 7.3cm)
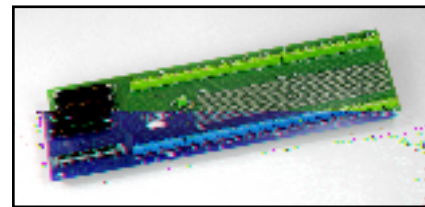


**STA-1800HC:** The STA-1800HC is a dedicated screw terminal accessory for the DAS-1800HC. All I/O connections on the DAS-1800HC are brought out to labeled screw terminals. For ease of wiring differential inputs, each channel has an adjacent ground connection. A CJC sensor with terminal blocks is included to facilitate the measurement of thermocouples with the DAS-1801HC. Four 37-pin D-type male connectors are available for connecting external accessories. Up to 2 MB01 backplanes can be accommodated. A breadboard area with power connections is available for custom circuitry.

**Dimensions:** 16.0˝ × 4.75˝ (40.6cm × 12.1cm)

**Connection accessories**
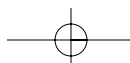
**SIGNAL CONDITIONING**

# Screw Terminal Accessory Boards
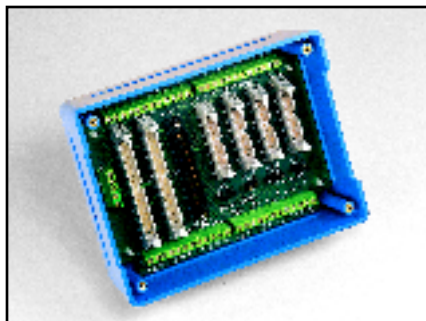
**STA-1800U:** The STA-1800U is a universal screw terminal accessory for the members of the DAS-1800 Series which use a 50-pin I/O connector.  All I/O lines are brought out to labeled screw terminals with adjacent ground connections for the analog input channels. A second 50-pin male header is available for daisy chaining expansion accessories. Four 26-pin headers are included for attaching MB-02 signal conditioning backplanes. Channel selection jumpers are provided for each of the 4 connectors. One 37-pin male D-type connector can attach to an MB-01 accessory..
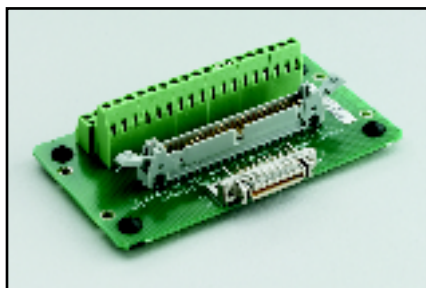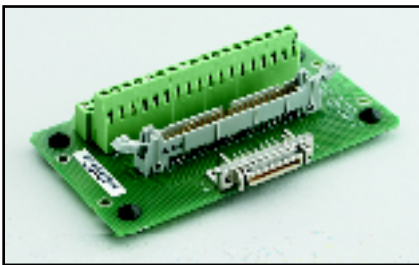


**STA-3108 A1:** Adapter panel that adapts the 36-pin connector (from the KPCI-3107/3108 analog I/O port) using the CAB-1284CC cable to a 50-pin header mounted on the STA-3108A1.
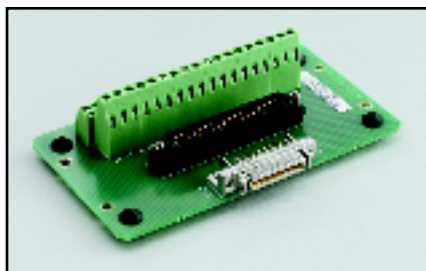


**STA-3108-1 A2:** Adapter panel that adapts the 36-pin connector (from the KPCI-3107/3108 analog I/O port) using the CAB-1284CC cable to a 37-pin header mounted on the STA-3108A2.
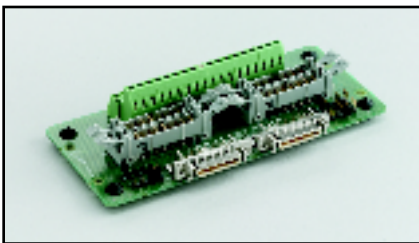


**STA-3108-1 A3:** Adapter panel that adapts the 36-pin connector (from the KPCI-3107/3108 analog I/O port) of the CAB-1284CC cable to four 24-pin headers mounted on the STA-3108A3. Each of these headers has jumpers that are used to select one of four KPCI-3107/3108 input channels.



**STA-3108-1 D1:** Adapter panel that adapts the 36-pin connector (from the KPCI-3107/3108 digital I/O port) of the CAB-1284CC cable to a 50-pin header (mounted on the STA-3108D1) with signals arranged for use with KPCI-PIO96 accessories.
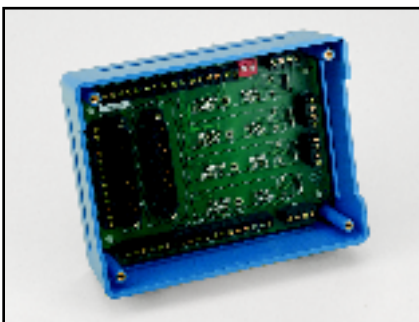


**STA-MB:** The STA-MB Screw Terminal Accessory provides sockets for 4 MB-Series modules. Two parallel 37-pin D male connectors provide interfaces for DAS boards and accessories. The MB-Series module inputs and outputs as well as the I/O connector pins are brought out to screw terminals. You then wire the MB-Series outputs to pins on the I/O connectors according to the requirements of your application.
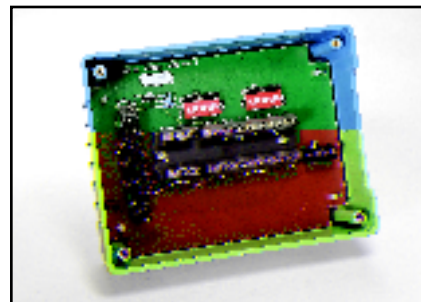


**STA-TC/B:** The STA-TC/B is a dedicated screw terminal accessory for the DAS-TC/B. The STA-TC/B brings out all signals on the I/O connector of the DAS-TC/B to labeled screw terminals. The screw terminals are mounted on an isothermal bar to insure that all connections are made at approximately the same temperature. A CJC sensor is mounted inside the isothermal bar. Switch selectable pull-up resistors for open thermocouple detection are included.

**STA-TEMP:** Screw terminal accessory board.
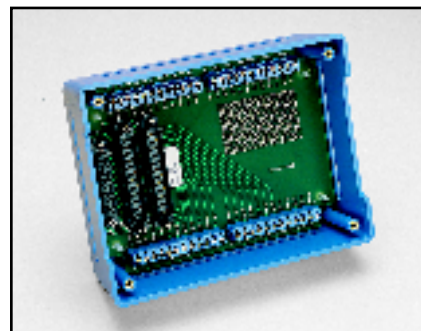


**STA-U:** The STA-U is a universal screw terminal accessory designed to connect to many Keithley data acquisition boards. It includes one 25-pin female D-type connector and two 37-pin male D-type connectors tied together. All 37 lines are brought out to screw terminal connections. A small breadboard area is available for additional circuitry. The STA-U is used for direct connection to data acquisition boards or it can be used in conjunction with an expansion accessory such as the EXP-GP to provide connection to the signals not available on the expansion accessory.
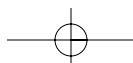
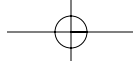**Dimensions:** 5.2˝L × 6.7˝W × 2.3˝H
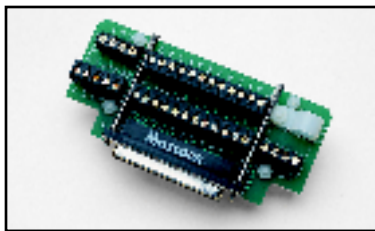
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# Screw Terminal Accessory Boards

**STC-37:** Direct Screw Terminal Connector (37 pin). The STC-37 plugs directly onto the I/O connector at the back of the PC. All lines are brought out to screw terminals.

**Dimensions:** 2.5˝L × 4.75˝H × 0.75˝W (6.4cm × 12.1cm × 1.9cm)

**STC-TC/B:** Screw Terminal Connector. The STC-TC/B plugs directly onto the I/O connector of the DAS-TC/B. All lines are brought out from the I/O connector of the DAS-TC/B to screw terminals. The STC-TC/B includes a CJC sensor and switch-selectable pull-up resistors for open thermocouple detection.

**Dimensions:** 2.8˝L × 4.8˝H × 1.35˝W (7.1cm × 12.21cm × 3.2cm)
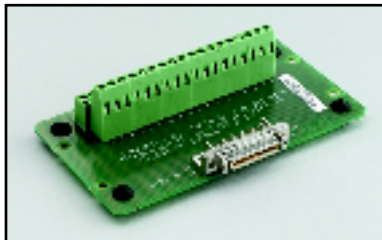
**STP-36:** Screw Terminal Panel. The STP-36 brings all KPCI-3107/3108 signals out to external screw terminals. The standard versions come with rubber stand-offs, making the STP-37 ideal for placing on a desktop or mounting in custom panels. Requires a CAB-1284CC-.5 half-meter cable or CAB-1284CC-2 two-meter cable.

**STP-36CJC:** Screw Terminal Panel with CJC (cold-junction compensation) sensor. Used with the KPCI-3107-3108 for thermocouple measurements. Requires the CAB-1284CC-.5 or CAB-1284CC-2 cable.
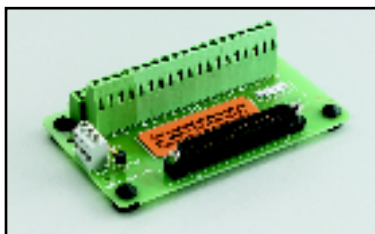
**STP-37:** Screw terminal panel with 37-pin male D-type connector. The STP-37 is a cost-effective

means of providing general-purpose screw terminal connections. Requires a C1800 or S1800 cable.

**Dimensions:** 4.8˝ × 2.9˝ × 1.25˝ (12.2cm × 7.4cm × 3.2cm)
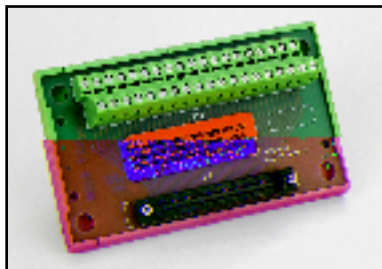
**STP-37/C:** STP-37 with added bottom case.

**Dimensions:** 4.9˝ × 3.1˝ × 1.25˝ (12.4cm × 7.9cm × 3.2cm)

**STP-37/F:** Screw Terminal panel with 37-pin female D-type connector and CJC sensor.

**Dimensions:** 4.8˝ × 2.9˝ × 1.25˝ (12.2cm × 7.4cm × 3.2cm)

**STP-37/FC:** Screw Terminal Panel with female D37 connector. The STP-37/FC brings the signals out to external screw terminals on an encased panel. The female D37 connector prevents user voltages from being exposed when the cable is unplugged. Requires a C-3200 or C1800/M cable.

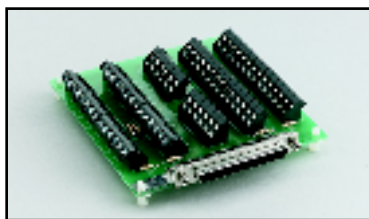**Dimensions:** 4.9˝ × 3.1˝ × 1.25˝ (12.4cm × 7.9cm × 3.2cm)
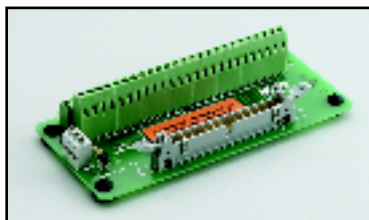
**STP-50:** Screw Terminal Panel with 50-pin male header. The STP-50 brings signals out to screw terminals. Requires a CDAS-2000 or CACC-2000 cable.
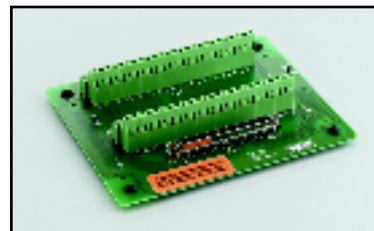
**Dimensions:** 6.1˝ × 2.9˝ × 1.25˝ (15.5cm × 7.4cm × 3.2cm)

**STP-50/C:** Screw Terminal Panel with case and 50-pin male header.

**Dimensions:** 6.2˝ × 3.1˝ × 1.5˝ (15.7cm × 7.9cm × 3.8cm)

**STP-68:** Screw Terminal Panel. The STP-68 brings all signals out to external screw terminals. Requires a CAB-305 cable. Not CE approved.

**STP-100:** Screw Terminal Panel with 100-pin male D-type connector. The STP-100 brings signals out to numbered screw terminals. Requires a CAB-1800 cable.

**Dimensions:** 5.5˝ × 7.0˝ × 1.5˝ (12.4cm × 7.9cm × 3.2cm)

**STP-100U:** Accessory for KPCI-3160. Provides direct digital connections from the KPCI-3160 to access all digital I/O signals.
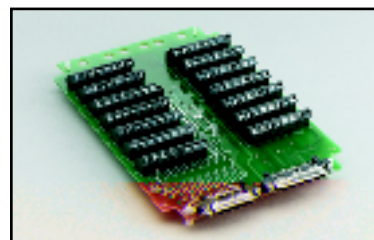
**STP-3110:** Screw Terminal Panel. Mounts on a panel and includes nylon standoffs for tabletop applications. For use with KPCI-3110 and -3116 data acquisition boards. CAB-307 and CAB-308 cables are required.
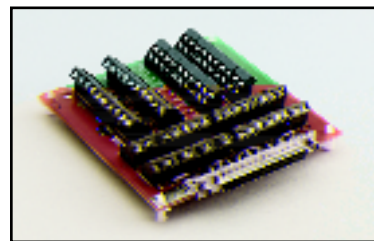
**STP-3140:** Screw Terminal Panel. Brings all KPCI-3140 signals out to external screw terminals. The STP-3140 comes with nylon standoffs, making it ideal for placing on a desktop or mounting in custom panels. Requires the CAB-307 and CAB-308 cables (1m/39˝).
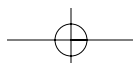
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