DBK209

P4-to-P1/P2/P3 Mini-Adapter Board

For Analog I/O, Digital I/O, & Pulse/Frequency

Note: DBK209 connects to a P4 connector via cable and provides P1, P2, and P3 connectors.

This product is not used for LogBook applications.

Reference Notes:

⊕ In regard to calculating system power requirements refer to the *DBK Basics* section.

⊕ Chapter 2 includes pinouts for P1, P2, P3, and P4. Refer to pinouts applicable to your system, as needed.

⊕ For a quick comparison of all DBK200 Series boards, refer to the *DBK200 Series Matrix*. The matrix is located just before the DBK200 section.

⊕ Refer to the *DaqBoard/2000 Series and cPCI DaqBoard/2000c Series User's Manual* (p/n 1033-0901) or the *DaqBook/2000 Series User's Manual* (p/n 1103-0901) for information pertaining to those products, as needed.

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Overview

DaqBoard/2000 Series and /2000c Series Boards communicate [external from the host PC] through a 100-pin P4 connector. Typically a DBK200 Series P4-adapter is used to provide one or more DB37 connectors (P1, P2, P3). The DBK200 Series also includes a few panel-mount card options that connect directly to the P4 connector via a cable.

The DBK209 is a mini-adapter board suitable for both analog and digital expansion. The board provides three DB37 connectors (P1, P2, and P3). DBK209 connects to DaqBook/2000 Series Device, DaqBoard/2000 Series Board or /2000c Series Board P4 connector via a CA-195 cable.

Other than the form factor, DBK209 is identical to DBK201.

Note: The P1, P2, and P3 connectors discussed in association with DaqBook/2000 Series devices, DaqBoard/2000 Series boards and cPCI DaqBoard/2000c Series boards are subset connectors of the 100-pin P4 connector that is located on those boards. Chapter 2, *System Connections and Pinouts*, includes pinouts for P1, P2, P3, and P4.

Connections

Be sure to align the P4 orientation indicators (♦) prior to mating the P4 connectors.

The following illustration and the actual board silkscreen are the only references you should need to make proper connections.
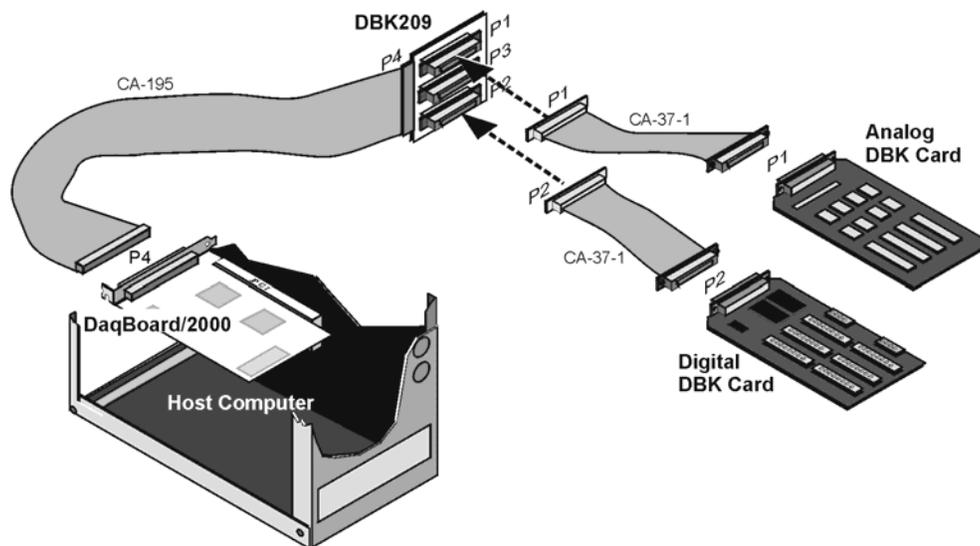
Using a DBK209 to Connect an Analog and a Digital DBK Card to DaqBoard/2000

Connection tips:

- Ensure power is removed from the device(s) to be connected.

- Observe ESD precautions when handling boards and making connections.

- P1 is used for ANALOG I/O.

- P2 is used for DIGITAL I/O.

- P3 is used for Pulse/Frequency (Digital and Counter/Timer) I/O.

- P4 (100-pin connector) connects to the DaqBook/2000 Series device's, DaqBoard/2000 Series board's, or cPCI DaqBoard/2000c Series board's P4 connector via a CA-195 Cable.
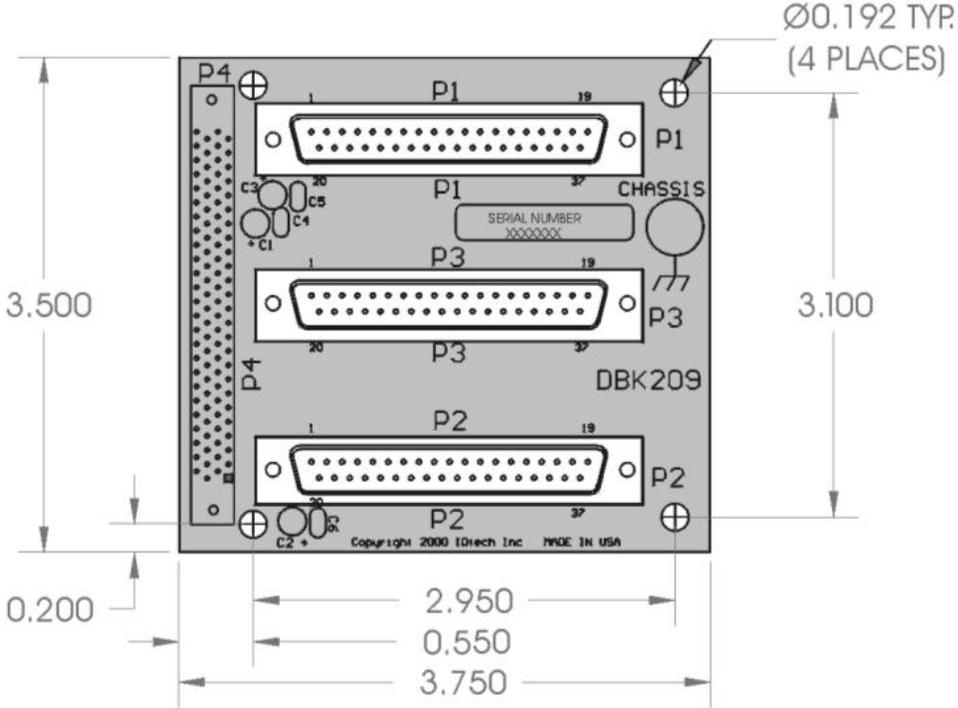
DBK209 Dimensional Drawing

Notes