NI-9201 Getting Started

2024-02-01

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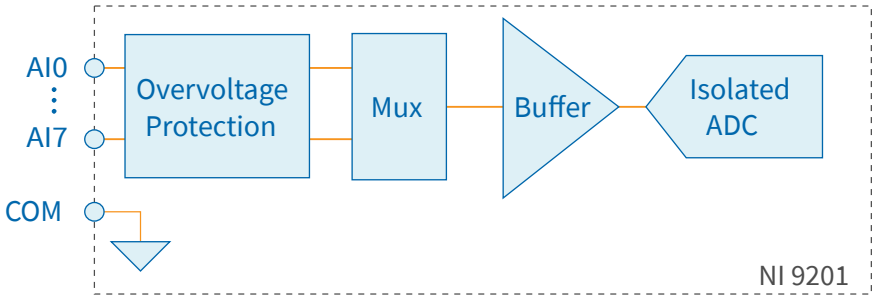
Connector Types

The NI-9201 has more than one connector type: NI-9201 with screw terminal, NI-9201 with spring terminal, and NI-9201 with DSUB. Unless the connector type is specified, NI-9201 refers to all connector types.

NI-9201 Block Diagram



Input signals are scanned, buffered, conditioned, and then sampled by a single ADC.

NI-9201 with Screw Terminal or Spring Terminal Pinout

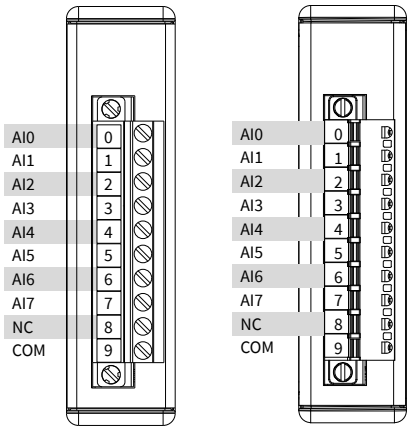


Table 1. Signal Descriptions

Signal	Description
AI	Analog input signal connection
COM	Common reference connection
NC	No connection

NI-9201 with DSUB Pinout

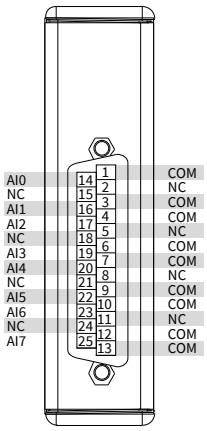


Table 2. Signal Descriptions

Signal	Description
AI	Analog input signal connection
COM	Common reference connection
NC	No connection

NI-9201 Connection Guidelines

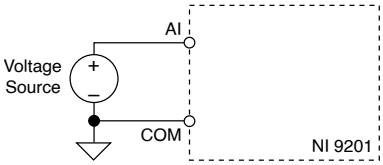
- Make sure that devices you connect to the NI-9201 are compatible with the module specifications.
- You must use 2-wire ferrules to create a secure connection when connecting more than one wire to a single terminal on the NI-9201 with screw terminal or NI-9201 with spring terminal.

High-Vibration Application Connections

If your application is subject to high vibration, NI recommends that you follow these guidelines to protect connections to the NI-9201 with screw terminal or the NI-9201 with spring terminal:

- Use ferrules to terminate wires to the detachable connector.
- Use the NI-9927 backshell kit with the NI-9201 with screw terminal or the NI-9981 backshell kit with the NI-9201 with spring terminal.

Single-Ended Connections



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