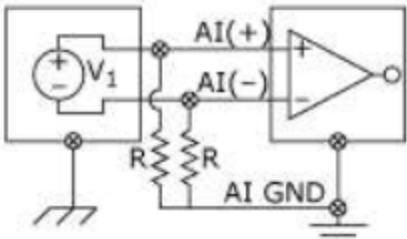
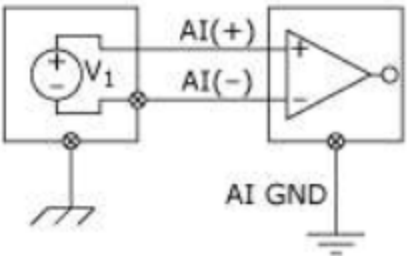
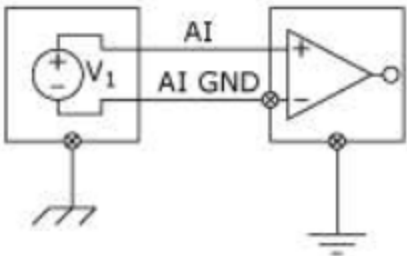
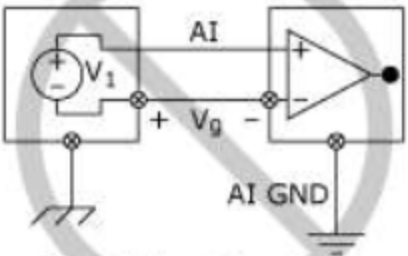
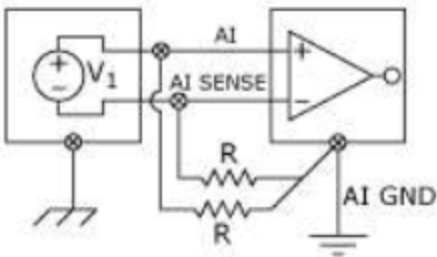
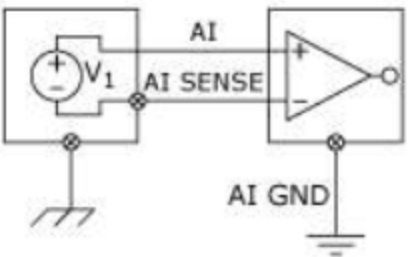


Input Configuration	Signal Source Type	
	Floating Signal Source (Not Connected to Building Ground)	Grounded Signal Source
	Examples <ul style="list-style-type: none"> <li>• Thermocouples</li> <li>• Signal Conditioning with Isolated Outputs</li> <li>• Battery Devices</li> </ul>	Examples <ul style="list-style-type: none"> <li>• Plug-in Instruments with Nonisolated Inputs</li> </ul>
Differential (DIFF)	 <p>Two resistors (<math>10\text{ k}\Omega &lt; R &lt; 100\text{ k}\Omega</math>) provide return paths to ground for bias currents</p>	
Single-Ended - Ground Referenced (RSE)		<p>NOT RECOMMENDED</p>  <p>Ground-loop losses, <math>V_g</math>, are added to measured signal.</p>
Single-Ended - Nonreferenced (NRSE)		

To find your device pinouts of your specific hardware, open NI Measurement and Automation Explorer (MAX) and follow the steps outlined in [Where to Find NI-DAQmx Device Pinouts or Pin Mappings](#).