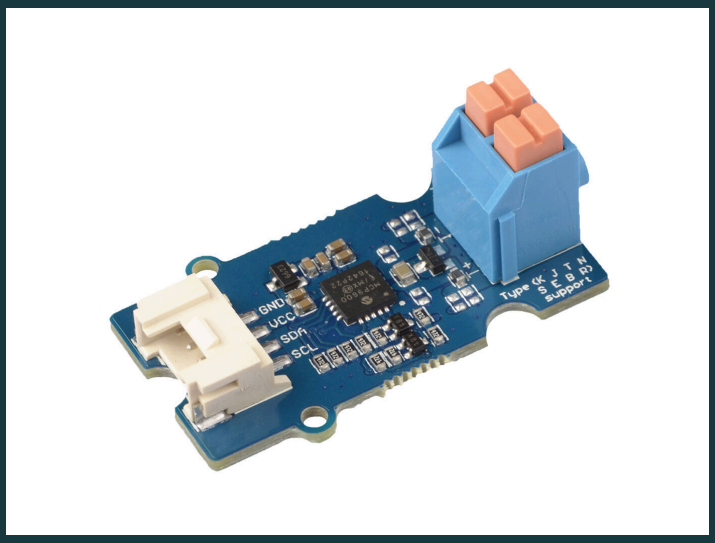
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INDUSTRIAL PRODUCT DATASHEET

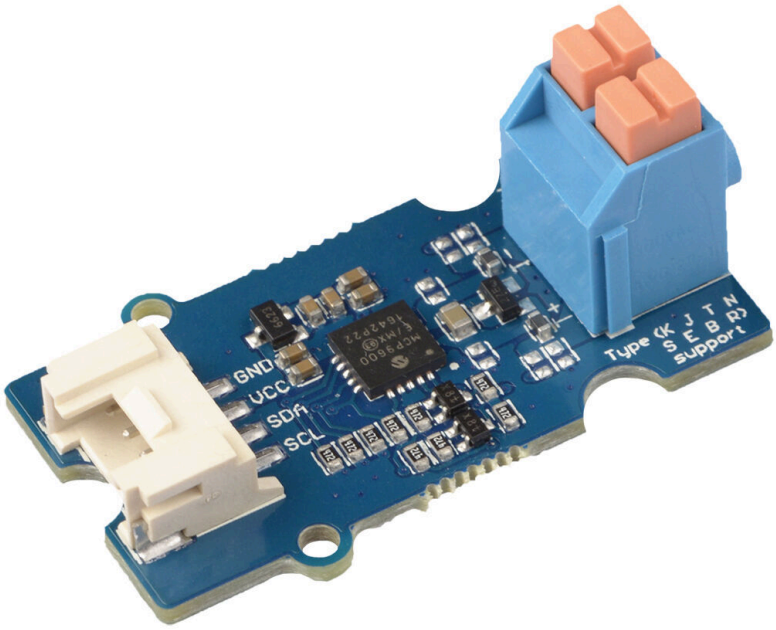
Grove - I2C Thermocouple Amplifier (MCP9600)

The Grove - I2C Thermocouple Amplifier (MCP9600) provides high-resolution thermocouple measurement with programmable alerts and filtering, ideal for various industrial and handheld temperature monitoring applications.

SKU	UPDATED	PRICE
101020594	2026-11-03 03:38:10	$19.50(Excl. VAT)



Overview



The Grove - I2C Thermocouple Amplifier (MCP9600) supports various thermocouples including types K, J, T, N, S, E, B and R, with excellent measurement resolution of +0.0625℃ typical for hot and cold-junctions. It features multiple programmable temperature alert outputs, a programmable digital filter, and a Grove unified socket for plug-and-play versatility in applications such as petrochemical thermal management, hand-held measurement equipment, industrial equipment thermal management, ovens, industrial engine thermal monitor, and temperature detection racks.

Key Features

01 **Various thermocouples supported**

Including type K, J, T, N, S, E, B and R

02 **Excellent measurement resolution**

Hot and cold-junctions: +0.0625℃(typical)

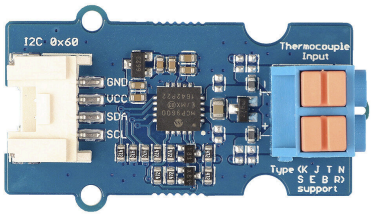
03 **Multiple programmable temperature alert outputs**

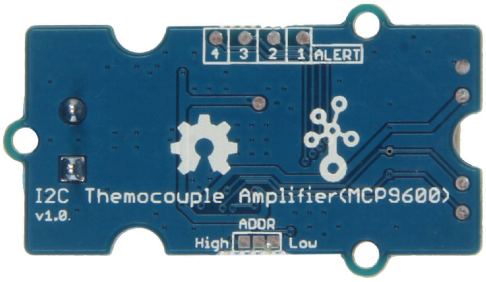
04 **Programmable digital filter for temperature**

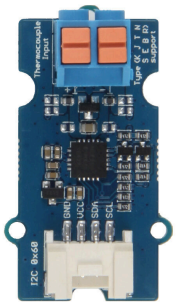
05 **Grove unified socket**

The product ensures "Plug and Play" and could be versatile for various applications.

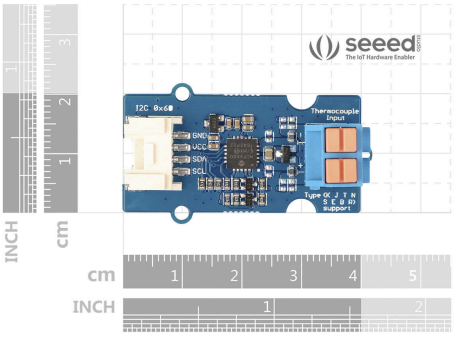
Product Gallery











Applications

- Petrochemical Thermal Management
- Hand-Held Measurement Equipment
- Industrial Equipment Thermal Management
- Ovens
- Industrial Engine Thermal Monitor
- Temperature Detection Racks

Resource Links

- https://www.seeedstudio.com/Grove-I2C-Thermocouple-Amplifier-MCP9600.html
- Grove - I2C Thermocouple Amplifier (MCP9600) Eagle Files
- Seeed MCP9600 Library
- Datasheet of MCP9600

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