

Qwiic MCP9600 Thermocouple

Product Overview

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For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun Qwiic MCP9600 Thermocouple Amplifiers are high accuracy thermocouple amplifiers equipped with an I²C interface. Inside the chip are two temperature sensors, one for the thermocouple itself (the hot junction) and one for the chip (the cold junction). As a result, the MCP9600 can read ambient temperature and the temperature of whatever is measured. The MCP9600 can do both with a resolution of 0.0625°C and an accuracy of $\pm 1.5^\circ\text{C}$ (worst case). The MCP9600 Thermocouple Amplifiers is a Qwiic - compatible board, simply plug and go. No soldering, no figuring out which is SDA or SCL, and no voltage regulation or translation required. The SEN-16294 is a Qwiic thermocouple amplifier with PCC connector and SEN-16295 is a Qwiic thermocouple amplifier with screw terminals.



Features

- -200°C to 1350°C temperature range
- Four onboard temperature alerts
- 0.0625°C resolution
- PCC Connector for K-Type thermocouple
- ADDR jumper for variable I²C addresses (default address of 0x60)
- 2x Qwiic Connectors

Mouser Part Numbers

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To learn more, visit

<https://www.mouser.com/new/sparkfun/sparkfun-qwiic-thermocouple-amplifier-mcp9600/>