

Temperature Sensor IC, Digital,  $\pm 0.5^{\circ}\text{C}$ ,  $-55^{\circ}\text{C}$ ,  $+125^{\circ}\text{C}$ , MSOP, 8 Pins

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP8
Product Type	Temperature Sensors
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS18B20U+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

DS18B20U+ is a digital temperature sensor manufactured by Maxim Integrated. Here are some of its features:

### Features

Measures temperature in the range of  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$  with an accuracy of  $\pm 0.5^{\circ}\text{C}$

Communicates over a 1-wire interface, allowing multiple sensors to be connected to a single pin

Can be powered with a supply voltage between 3.0V and 5.5V

Has a programmable resolution from 9 bits to 12 bits

### Application

Temperature monitoring and control in industrial and automotive applications

Environmental monitoring in HVAC (Heating, Ventilation, and Air Conditioning) systems

Temperature sensing in medical devices and laboratory equipment

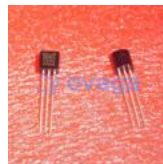


**Related Products**



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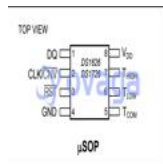
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