
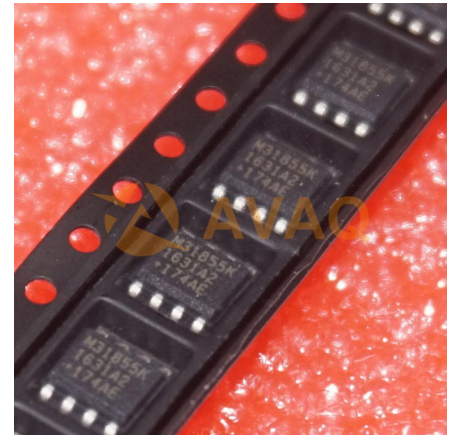


## Temp Sensor Digital Serial (SPI) 8-Pin SOIC N Tube

<b>Manufacturer:</b>	<a href="#">Maxim Integrated</a>
<b>Package/Case:</b>	SOP-8
<b>Product Type:</b>	Sensors, Transducers
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

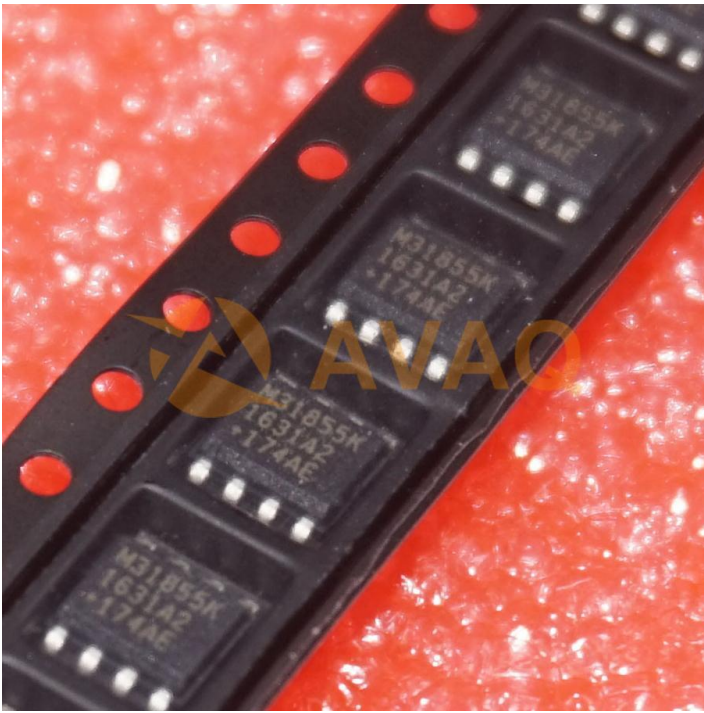
MAX31855KASA+ is a thermocouple-to-digital converter IC produced by Maxim Integrated. It is designed to convert the analog voltage signal generated by a thermocouple to a digital output, making it suitable for use in temperature sensing and control applications.

## Key Features

- Supports type K, J, T, N, S, E, and R thermocouples
- 14-bit resolution
- Cold-junction compensation
- SPI-compatible interface
- Temperature range: -270°C to +1800°C
- Accuracy:  $\pm 2^\circ\text{C}$  (for temperatures between -200°C and +700°C)

## Application

- Temperature sensing and control
- Industrial automation
- Medical equipment
- Automotive
- Aerospace



## Recommended For You

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### MAX232ESE+

Maxim Integrated

SOP16

### MAX14830ETM+

Maxim Integrated

TQFN48

### MAX483ESA+

Maxim Integrated

SOP8

### MAX232ACSE+T

Maxim Integrated

SOP-16

### MAX6675ISA+T

Maxim Integrated

SOP-8

### MAX7300AAX+

Maxim Integrated

SSOP-36

### MAX485CPA+

Maxim Integrated

DIP8

### MAX232CSE+

Maxim Integrated

SOP16

### MAX3100EEE+

Maxim Integrated

SSOP16

### MAX22246CAWA+

Maxim Integrated

SOP-8

### MAX3140CEI+

Maxim Integrated

SSOP28

### MAX9860ETG+T

Maxim Integrated

TQFN-24

### MAX3344EEUE+

Maxim Integrated

TSSOP-16

### MAX9180EXT

Maxim Integrated

SC70-6

### MAX14830ETM+T

Maxim Integrated

TQFN48