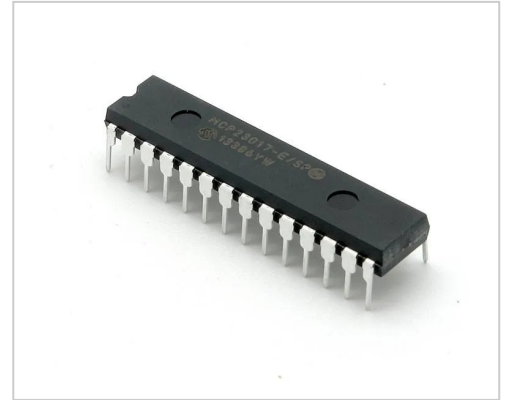


# MCP23017 E/SP IC 16 bit I/O expander with serial interface

The MCP23017 E/SP IC is a 16-bit I/O expander with I2C interface that offers high flexibility with a voltage range of 1.8V to 5.5V and a bus frequency of up to 1.7MHz. The expander supports extended operating temperatures

**Product number** MCP23017-E

**Weight** 0.001kg



## Product description

### MCP23017 E/SP IC - 16-bit I/O expander with I2C interface

A powerful I/O expander that extends the flexibility and functionality of microcontroller-based projects with additional I/O pins. This component is ideal for applications in electronics and robotics where many I/Os are required.

### Features at a glance

- High bus frequency: Supports I2C communication up to 1.7MHz for fast data transfers.
- Flexibility due to voltage range: Operation with supply voltages from 1.8V to 5.5V.
- Wide temperature range: Can be used in extreme ambient conditions from -40°C to +125°C.

### Technical data

- 16BIT EXPANDER, I/O, I2C I/F, DIP28
- Chip configuration: 16 bit
- Bus frequency: 1.7MHz
- Interface type: I2C, serial
- Supply voltage, min.: 1.8V
- Supply voltage, max.: 5.5V
- Design: DIP
- Number of pins: 28
- Number of I/Os: 16
- Connection type: Through-hole mounting
- Operating temperature: -40°C to +125°C
- Supply voltage: 1.8V to 5.5V

### Scope of delivery

- 1x MCP23017 E/SP IC 16 bit I/O expander with serial interface

## Product properties

<b>Gross Weight (kg)</b>	0.001
<b>Zolltarifnummer</b>	85423990
<b>Country of Origin</b>	China
<b>Brand</b>	Microchip
<b>Product ID</b>	MCP23017-E
<b>EAN</b>	2050001776211

## More images

