



# MCP2515

## Stand-Alone CAN Controller with SPI Interface

Status: Not Recommended for new designs

View Datasheet

View Comparisons

### Features:

- 18-pin package
- Simple SPI interface to any MCU
- One-shot mode ensures message transmission is attempted only once
- Databyte filtering
- Start-of-Frame (SOF) output
- Low-power CMOS Technology

[View More](#)



Overview

Documents

Development Environment

RoHS Information

Add To Cart

## Device Overview

### Summary

The MCP2515 is a second generation stand-alone CAN controller. It is pin and function compatible with the MCP2510 and also includes upgraded features like faster throughput, databyte filtering, and support for time-triggered protocols.

Please consider this device [MCP2518FD](#)

### Additional Features

- 18-pin package
- Simple SPI interface to any MCU
- One-shot mode ensures message transmission is attempted only once
- Databyte filtering
- Start-of-Frame (SOF) output
- Low-power CMOS Technology

### Parametrics

Name	Value
Tx Buffers	3
Rx Buffers	2
Masks	2
Interrupt Output	1
Filters	6
Temp. Range (°C)	-40 to 125
Operating Voltage Rang...	2.7 to 5.5