

Digital to Analogue Converter, 10 bit, SPI, 2.7V to 5.5V, SOIC, 8 Pins

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SOIC-8
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP4911-E/SN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

MCP4911 is a single channel, 10-bit DAC with an external voltage reference and SPI interface. It offers high accuracy and low power consumption and is available in various packages. The MCP4911 device is a part of the MCP4901/MCP4911/MCP4921 product family, which are single channel 8-bit/10-bit/12-bit DACs which use external voltage reference (VREF). These devices provide very high accuracy and low noise performance, and are suitable for consumer and industrial applications, such as set point control, offset adjustment and sensor calibration applications. The low power consumption and small package options make these devices very attractive for many portable and battery-powered applications. If two outputs are needed then the MCP4902/4912/4922 dual channel product family can be used.

## Features

10-bit Resolution

Single Channel Voltage Output

2.7V to 5.5V Operation

Operating Current 175 $\mu$ A (typ)

External Voltage Reference Pin

INL  $\pm$ 0.5 LSB (typ)

DNL  $\pm$ 0.5 LSB (max)

Output Settling Time 4.5  $\mu$ s

SPI Interface

14-pin PDIP, SOIC, MSOP and 2x3 DFN packages

Temperature Range -40°C to +125°C

AEC-Q100 Grade 1 qualified

## Related Products



### [MCP4706A0T-E/CH](#)

Microchip Technology, Inc  
SOT-23-6



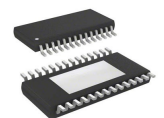
### [MCP4922-E/SL](#)

Microchip Technology, Inc  
SOIC-14



### [MCP4716A0T-E/MAY](#)

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DFN-6



### [MCP3564RT-E/ST](#)

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TSSOP-20



### [MCP3903-I/SS](#)

Microchip Technology, Inc  
SSOP-28



### [MCP48CVB21-E/UN](#)

Microchip Technology, Inc  
10-TFSOP, 10-MSOP (0.118, 3.00mm Width)



### [MCP4728A1T-E/UN](#)

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DFN-10



### [MCP3204-CI/ST](#)

Microchip Technology, Inc  
TSSOP-14