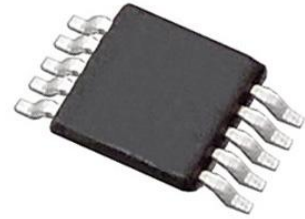


Digital to Analog Converters - DAC Quad, 12-bit NV DAC with I2C interface

Manufacturers	Microchip Technology, Inc
Package/Case	MSOP-10
Product Type	Data Conversion ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP4728A0T-E/UN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

MCP4728 is a quad channel, 12-bit voltage output Digital-to-Analog Converter with non-volatile memory and I2C compatible Serial Interface. The user can program the DAC input codes, device configuration bits, and I2C address bits to the non-volatile memory (EEPROM) by using I2C™ Compatible interface commands. The non-volatile memory feature enables the DAC device to hold the DAC input codes during power-off time, allowing the DAC outputs to be available immediately after power-up.

Features

12-Bit Resolution

4 Buffered Voltage Outputs

Single-Supply Operation: 2.7V to 5.5V

On-Board Non-Volatile Memory (EEPROM)

Normal or Power-Down Mode

Internal or External Voltage Reference Selection

Rail-to-Rail Output

Low Power Consumption

I2C Interface

Address bits: User Programmable to EEPROM

Standard (100 kbps), Fast (400 kbps) and High Speed (3.4 Mbps) Modes

10-lead MSOP Package

Extended Temperature Range: -40°C to +125°C

AEC-Q100 Grade 1 qualified

Related Products



[MCP4706A0T-E/CH](#)

Microchip Technology, Inc
SOT-23-6



[MCP3903-I/SS](#)

Microchip Technology, Inc
SSOP-28



[MCP4922-E/SL](#)

Microchip Technology, Inc
SOIC-14



[MCP48CVB21-E/UN](#)

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



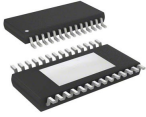
[MCP4716A0T-E/MAY](#)

Microchip Technology, Inc
DFN-6



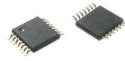
[MCP4728A1T-E/UN](#)

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[MCP3564RT-E/ST](#)

Microchip Technology, Inc
TSSOP-20



[MCP3204-CI/ST](#)

Microchip Technology, Inc
TSSOP-14