MCP4161-103E/SN

Data Sheet

SINGLE 8-BIT, NON-VOLATILE LINEAR POT W/SPI, -40C to +125C, 8-SOIC 150mil, TUBE,Digital Potentiometer ICs Sngl 8B NV SPI Rheo

Manufacturers	Microchip Technology, Inc
Package/Case	SOIC-8
Product Type	Digital Potentiometer ICs
RoHS	Rohs
Lifecycle	

Images are for reference only

Please submit RFQ for MCP4161-103E/SN or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

The MCP41/424X devices are non-volatile, 8-bit (257 wiper steps) digital potentiometers with EEPROM and an SPI compatible interface. The MCP41/42XX family is available with end-to-end resistor values of 5KΩ, 10KΩ, 50kΩ and 100KΩ. These devices offer WiperLock™ Technology which allows the user unlimited reprogramming and locking of the wiper setting. It is useful for equipment that requires factory trimming or recalibration. The MCP41/42XX devices offer a variety of configurations simplifying design while minimizing cost, package size and pin count.

Features

8-bit: 256 Resistors with Taps to VSS and VDD

SPI compatible interace

Automatic Recall of Potentiometer Wiper Settings

Resistance Values: 5kΩ, 10kΩ, 50kΩ,100kΩ

Low Tempco:

Absolute (Rheostat): <100 ppm (typ.)

Ratiometric (Potentiometer): <10 ppm (typ.)

Low Wiper Resistance: 100Ω (typ.)

WiperLock™ Technology to Secure the EEPROM

Low-Power Operation: 1μA Max Static Current

Wide Operating Voltage: 2.7V to 5.5V

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

Related Products

MCP4352T-104E/ST

Microchip Technology, Inc

TSSOP-14

MCP4661T-103E/ML

Microchip Technology, Inc

QFN-16

MCP45HV51-503E/ST

Microchip Technology, Inc

TSSOP-14

MCP45HV51-502E/ST

Microchip Technology, Inc

TSSOP-14

MCP41HV51-104E/ST

Microchip Technology, Inc

TSSOP-14

MCP41HV51-103E/ST

Microchip Technology, Inc

TSSOP-14

MCP42100-I/SL

Microchip Technology, Inc

SOIC-14

MCP4461-103E/ST

Microchip Technology, Inc

TSSOP-20