

Image may be representation.
See specifications for product details.



MCP4451-103E/ML

Manufacturer Part Number	MCP4451-103E/ML
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP4451-103E/ML
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC DGTL POT 10KOHM 257TAP 20QFN
Package	20-VFQFN Exposed Pad
Data sheet	Digital Pot Design Guide.pdf MCP443x/5x.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP4451-103E/ML - Microchip Technology. New Original in Stock. Download Linear Technology MCP4451-103E/ML datasheet/specifications on AllelcoElec.com. Request a quote for MCP4451-103E/ML, please send us email: info@allelco.com

Specifications

MCP4451-103E/ML Tech Specifications
MCP4451-103E/ML - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tube
Voltage - Supply	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 125°C
Tolerance	±20%	Number of Taps	257
Temperature Coefficient (Typ)	150ppm/°C	Number of Circuits	4
Taper	Linear	Mounting Type	Surface Mount
Supplier Device Package	20-QFN (4x4)	Memory Type	Volatile
Series	-	Interface	I ² C
Resistance - Wiper (Ohms) (Typ)	75	Features	Mute, Selectable Address
Resistance (Ohms)	10k	Configuration	Potentiometer
Package / Case	20-VFQFN Exposed Pad	Base Product Number	MCP4451

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP4451-103E/ML

Product Attribute				
Part Number	MCP4451-103E/ML	MCP4351-502E/ST	MCP4352-502E/ST	MCP4431-104E/ST
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Features	Mute, Selectable Address	-	-	Selectable Address
Resistance (Ohms)	10k	5k	5k	100k
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Number of Taps	257	257	257	129
Tolerance	±20%	±20%	±20%	±20%
Supplier Device Package	20-QFN (4x4)	20-TSSOP	14-TSSOP	20-TSSOP
Base Product Number	MCP4451	MCP4351	MCP4352	MCP4431
Resistance - Wiper (Ohms) (Typ)	75	75	75	75
Configuration	Potentiometer	Potentiometer	Rheostat	Potentiometer
Package	Tube	Tube	Tube	Tube
Series	-	-	-	-
Package / Case	20-VFQFN Exposed Pad	20-TSSOP (0.173", 4.40mm Width)	14-TSSOP (0.173", 4.40mm Width)	20-TSSOP (0.173", 4.40mm Width)
Taper	Linear	Linear	Linear	Linear
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Interface	I ² C	SPI	SPI	I ² C
Memory Type	Volatile	Volatile	Volatile	Volatile
Temperature Coefficient (Typ)	150ppm/°C	150ppm/°C	150ppm/°C	150ppm/°C
Number of Circuits	4	4	4	4

MCP4451-103E/ML Datasheet PDF

Download MCP4451-103E/ML pdf datasheets and Microchip Technology documentation for MCP4451-103E/ML - Microchip Technology.

Datasheets

- Digital Pot Design Guide.pdf
- MCP443x/5x.pdf

PCN Packaging




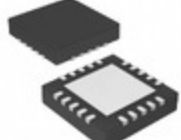


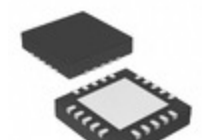


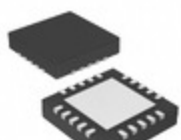
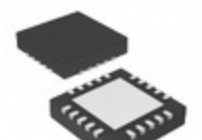
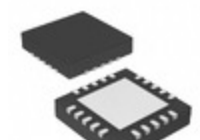






- Label and Packing Changes 23/Sep/2015.pdf
- Packing Changes 10/Oct/2016.pdf

PCN Design/Specification

PCN Assembly/Origin

Customers Also Interested in

Recommended Products

					
MCP4351-502E/ST Microchip Technology IC DGTL POT 50KOHM 257TAP 20TSSOP	MCP4352-502E/ST Microchip Technology IC DGTL POT 50KOHM 257TAP 14TSSOP	MCP4431-104E/ST Microchip Technology IC DGT POT 100KOHM 129TAP 20TSSOP	MCP4441-502E/ML Microchip Technology IC DGT POT 50KOHM 129TAP 20QFN	MCP4462-104E/ST Microchip Technology IC DGT POT 100KOHM 257TP 14TSSOP	MCP4461-503E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 20TSSOP
					
MCP4461-503E/ML Microchip Technology IC DGTL POT 50KOHM 257TAP 20QFN	MCP4442T-503E/ST Microchip Technology IC DGT POT 50KOHM 129TAP 14TSSOP	MCP4351-103E/ST Microchip Technology IC DGTL POT 10KOHM 257TAP 20TSSOP	MCP4461-104E/ML Microchip Technology IC DGT POT 100KOHM 257TAP 20QFN	MCP4451-104E/ML Microchip Technology IC DGT POT 100KOHM 257TAP 20QFN	MCP4441-503E/ML Microchip Technology IC DGTL POT 50KOHM 129TAP 20QFN
					
MCP4451-503E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 20TSSOP	MCP4531-103E/MS Microchip Technology IC DGTL POT 10KOHM 129TAP 8MSOP	MCP4452-502E/ST Microchip Technology IC DGTL POT 50KOHM 257TAP 14TSSOP	MCP4352T-104E/ST Microchip Technology IC DGT POT 100KOHM 257TP 14TSSOP	MCP4351T-103E/ST Microchip Technology IC DGT POT 10KOHM 257TAP 20TSSOP	MCP4361-503E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 20TSSOP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00




Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



View More

Contact us

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