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See specifications for product details.



MCP4452-502E/ST

Manufacturer Part Number **MCP4452-502E/ST**

Manufacturer **Microchip Technology**

Allelco Part Number 32D-MCP4452-502E/ST

ECAD Model PCB Symbol, Footprint & 3D Model

Parts Description IC DGTL POT 5KOHM 257TAP 14TSSOP

Package 14-TSSOP (0.173", 4.40mm Width)

Data sheet [Digital Pot Design Guide.pdf](#)

[MCP443x/5x.pdf](#)

RoHs Status ROHS3 Compliant

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MCP4452-502E/ST - Microchip Technology. New Original in Stock. Download Linear Technology MCP4452-502E/ST datasheet/specifications on AllelcoElec.com.
Request a quote for MCP4452-502E/ST, please send us email: info@allelco.com

Specifications

MCP4452-502E/ST Tech Specifications

MCP4452-502E/ST - 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	14-TSSOP	Memory Type	Volatile
Series	-	Interface	I ² C
Resistance - Wiper (Ohms) (Typ)	75	Features	Mute, Selectable Address
Resistance (Ohms)	5k	Configuration	Rheostat
Package / Case	14-TSSOP (0.173", 4.40mm Width)	Base Product Number	MCP4452

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP4452-502E/ST

Product Attribute				
Part Number	MCP4452-502E/ST	MCP4461-503E/ST	MCP4442T-503E/ST	MCP4531-104E/MS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Taper	Linear	Linear	Linear	Linear
Supplier Device Package	14-TSSOP	20-TSSOP	14-TSSOP	8-MSOP
Series	-	WiperLock™	WiperLock™	-
Package	Tube	Tube	Tape & Reel (TR)	Tube
Features	Mute, Selectable Address	Mute, Selectable Address	Selectable Address	Selectable Address
Memory Type	Volatile	Non-Volatile	Non-Volatile	Volatile
Tolerance	±20%	±20%	±20%	±20%
Interface	I ² C	I ² C	I ² C	I ² C
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Resistance - Wiper (Ohms) (Typ)	75	75	75	75
Package / Case	14-TSSOP (0.173", 4.40mm Width)	20-TSSOP (0.173", 4.40mm Width)	14-TSSOP (0.173", 4.40mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Base Product Number	MCP4452	MCP4461	MCP4442	MCP4531
Resistance (Ohms)	5k	50k	50k	100k
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Number of Circuits	4	4	4	1
Number of Taps	257	257	129	129
Configuration	Rheostat	Potentiometer	Rheostat	Potentiometer
Temperature Coefficient (Typ)	150ppm/°C	150ppm/°C	150ppm/°C	150ppm/°C

MCP4452-502E/ST Datasheet PDF

Download MCP4452-502E/ST pdf datasheets and Microchip Technology documentation for MCP4452-502E/ST - Microchip Technology.

Datasheets

[Digital Pot Design Guide.pdf](#)

[MCP443x/5x.pdf](#)

PCN Packaging




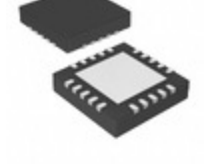




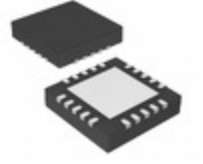
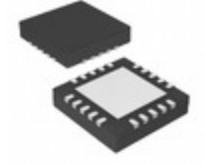
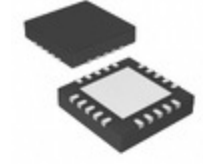

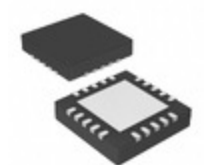




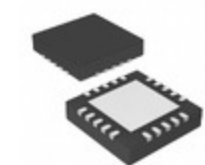
[Label and Packing Changes 23/Sep/2015.pdf](#)

[Packing Changes 10/Oct/2016.pdf](#)

PCN Design/Specification

Customers Also Interested in

Recommended Products

					
MCP4461-503E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 20TSSOP	MCP4442T-503E/ST Microchip Technology IC DGT POT 50KOHM 129TAP 14TSSOP	MCP4531-104E/MS Microchip Technology IC DGT POT 100KOHM 129TAP 8MSOP	MCP4451-104E/ML Microchip Technology IC DGT POT 100KOHM 257TAP 20QFN	MCP4531T-502E/MS Microchip Technology IC DGT POT 50KOHM 129TAP 8MSOP	MCP4531T-104E/MS Microchip Technology IC DGT POT 100KOHM 129TAP 8MSOP
					
MCP4531-103E/MS Microchip Technology IC DGT POT 10KOHM 129TAP 8MSOP	MCP4361-503E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 20TSSOP	MCP4451-103E/ML Microchip Technology IC DGT POT 10KOHM 257TAP 20QFN	MCP4441-503E/ML Microchip Technology IC DGT POT 50KOHM 129TAP 20QFN	MCP4461-503E/ML Microchip Technology IC DGT POT 50KOHM 257TAP 20QFN	MCP4451-503E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 20TSSOP
					
MCP4441-502E/ML Microchip Technology IC DGT POT 50KOHM 129TAP 20QFN	MCP4462-104E/ST Microchip Technology IC DGT POT 100KOHM 257TAP 14TSSOP	MCP4431-104E/ST Microchip Technology IC DGT POT 100KOHM 129TAP 20TSSOP	MCP4352T-104E/ST Microchip Technology IC DGT POT 100KOHM 257TAP 14TSSOP	MCP4352-502E/ST Microchip Technology IC DGT POT 50KOHM 257TAP 14TSSOP	MCP4461-104E/ML Microchip Technology IC DGT POT 100KOHM 257TAP 20QFN

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.



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Certifications & Memberships



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