

Image may be representation.  
See specifications for product details.



## MCP4542T-502E/MF

Manufacturer Part Number	<b>MCP4542T-502E/MF</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-MCP4542T-502E/MF
ECAD Model	Request Free CAD Models
Parts Description	IC DGT POT 5KOHM 129TAP 8DFN
Package	8-VDFN Exposed Pad
Data sheet	<b>MCP454x,456x,464x,466x.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCP4542T-502E/MF - Microchip Technology. New Original in Stock. Download Linear Technology MCP4542T-502E/MF datasheet/specifications on AllelcoElec.com. Request a quote for MCP4542T-502E/MF, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCP4542T-502E/MF Tech Specifications  
MCP4542T-502E/MF - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Package	Tape & Reel (TR)
Voltage - Supply	1.8V ~ 5.5V	Operating Temperature	-40°C ~ 125°C
Tolerance	±20%	Number of Taps	129
Temperature Coefficient (Typ)	150ppm/°C	Number of Circuits	1
Taper	Linear	Mounting Type	Surface Mount
Supplier Device Package	8-DFN (3x3)	Memory Type	Non-Volatile
Series	-	Interface	I²C
Resistance - Wiper (Ohms) (Typ)	75	Features	Selectable Address
Resistance (Ohms)	5k	Configuration	Rheostat
Package / Case	8-VDFN Exposed Pad	Base Product Number	MCP4542

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP4542T-502E/MF

Product Attribute				
Part Number	MCP4542T-502E/MF	<b>MCP4561-103E/MS</b>	<b>MCP4551-103E/MS</b>	<b>MCP4541T-103E/MF</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Resistance - Wiper (Ohms) (Typ)	75	75	75	75
Base Product Number	MCP4542	MCP4561	MCP4551	MCP4541
Number of Circuits	1	1	1	1
Temperature Coefficient (Typ)	150ppm/°C	150ppm/°C	150ppm/°C	150ppm/°C
Supplier Device Package	8-DFN (3x3)	8-MSOP	8-MSOP	8-DFN (3x3)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Resistance (Ohms)	5k	10k	10k	10k
Interface	I²C	I²C	I²C	I²C
Package	Tape & Reel (TR)	Tube	Tube	Tape & Reel (TR)
Tolerance	±20%	±20%	±20%	±20%
Configuration	Rheostat	Potentiometer	Potentiometer	Potentiometer
Voltage - Supply	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V	1.8V ~ 5.5V
Series	-	-	-	-
Number of Taps	129	257	257	129
Package / Case	8-VDFN Exposed Pad	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	8-VDFN Exposed Pad
Operating Temperature	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C	-40°C ~ 125°C
Taper	Linear	Linear	Linear	Linear
Memory Type	Non-Volatile	Non-Volatile	Volatile	Non-Volatile
Features	Selectable Address	Mute, Selectable Address	Mute, Selectable Address	Selectable Address

### MCP4542T-502E/MF Datasheet PDF

Download MCP4542T-502E/MF pdf datasheets and Microchip Technology documentation for MCP4542T-502E/MF - Microchip Technology.

#### Datasheets

MCP454x,456x,464x,466x.pdf

#### PCN Packaging

Label and Packing Changes 23/Sep/2015.pdf

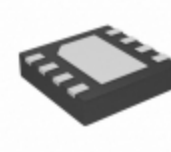
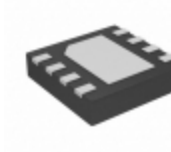
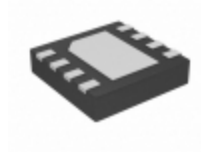
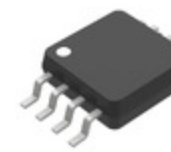
Packing Changes 10/Oct/2016.pdf

#### PCN Assembly/Origin



## Customers Also Interested in

### Recommended Products

**MCP4561-103E/MS**Microchip Technology  
IC DGTL POT 10KOHM 257TAP  
8MSOP**MCP4551-103E/MS**Microchip Technology  
IC DGTL POT 10KOHM 257TAP  
8MSOP**MCP4541T-103E/MF**Microchip Technology  
IC DGT POT 10KOHM 129TAP 8DFN**MCP4551T-502E/MS**Microchip Technology  
IC DGTL POT 50KOHM 257TAP 8MSOP**MCP4541T-503E/MS**Microchip Technology  
IC DGTL POT 50KOHM 129TAP  
8MSOP**MCP4551T-104E/MF**Microchip Technology  
IC DGTL POT 100KOHM 257TAP  
8DFN**MCP4541T-104E/MS**Microchip Technology  
IC DGTL POT 100KOHM 129TAP  
8MSOP**MCP4561T-103E/MF**Microchip Technology  
IC DGT POT 10KOHM 257TAP 8DFN**MCP4561-502E/MS**Microchip Technology  
IC DGTL POT 50KOHM 257TAP 8MSOP**MCP4532-503E/MS**Microchip Technology  
IC DGTL POT 50KOHM 129TAP  
8MSOP**MCP4541-104E/MS**Microchip Technology  
IC DGTL POT 100KOHM 129TAP  
8MSOP**MCP4551-503E/MS**Microchip Technology  
IC DGTL POT 50KOHM 257TAP  
8MSOP**MCP4541-103E/MS**Microchip Technology  
IC DGTL POT 10KOHM 129TAP  
8MSOP**MCP4541-503E/MS**Microchip Technology  
IC DGTL POT 50KOHM 129TAP  
8MSOP**MCP4551T-503E/MS**Microchip Technology  
IC DGTL POT 50KOHM 257TAP  
8MSOP**MCP4541T-502E/MS**Microchip Technology  
IC DGTL POT 50KOHM 129TAP 8MSOP**MCP4561-104E/MS**Microchip Technology  
IC DGTL POT 100KOHM 257TAP  
8MSOP**MCP4541T-103E/MS**Microchip Technology  
IC DGTL POT 10KOHM 129TAP  
8MSOP

## 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 Alleco 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

+00852 9146 4856



Email

info@alleco.com

## Certifications & Memberships



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