

Image may be representation.
See specifications for product details.



MCP6541-I/P

Manufacturer Part Number	MCP6541-I/P
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP6541-I/P
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC COMPARATOR 1 GEN PUR 8DIP
Package	8-DIP (0.300", 7.62mm)
Data sheet	Analog and Interface Product Guide.pdf MCP6541(1R,1U,2,3,4) Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP6541-I/P - Microchip Technology. New Original in Stock. Download Linear Technology MCP6541-I/P datasheet/specifications on AllelcoElec.com.
Request a quote for MCP6541-I/P, please send us email: info@allelco.com

Specifications

MCP6541-I/P Tech Specifications

MCP6541-I/P - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 85°C
Voltage - Supply, Single/Dual (±)	1.6V ~ 5.5V	Number of Elements	1
Voltage - Input Offset (Max)	7mV @ 5.5V	Mounting Type	Through Hole
Type	General Purpose	Hysteresis	6.5mV
Supplier Device Package	8-PDIP	Current - Quiescent (Max)	1µA
Series	-	Current - Output (Typ)	30mA
Propagation Delay (Max)	8µs	Current - Input Bias (Max)	1pA @ 5.5V
Package / Case	8-DIP (0.300", 7.62mm)	CMRR, PSRR (Typ)	70dB CMRR, 80dB PSRR
Package	Tube	Base Product Number	MCP6541
Output Type	CMOS, Push-Pull, Rail-to-Rail, TTL		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP6541-I/P

Product Attribute				
Part Number	MCP6541-I/P	MCP6541RT-I/OT	MCP6541T-I/LT	MCP6541T-I/MS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Current - Quiescent (Max)	1µA	1µA	1µA	1µA
Mounting Type	Through Hole	Surface Mount	Surface Mount	Surface Mount
Output Type	CMOS, Push-Pull, Rail-to-Rail, TTL	CMOS, Push-Pull, Rail-to-Rail, TTL	CMOS, Push-Pull, Rail-to-Rail, TTL	CMOS, Push-Pull, Rail-to-Rail, TTL
Voltage - Supply, Single/Dual (±)	1.6V ~ 5.5V	1.6V ~ 5.5V	1.6V ~ 5.5V	1.6V ~ 5.5V
Propagation Delay (Max)	8µs	8µs	8µs	8µs
Number of Elements	1	1	1	1
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 85°C
Supplier Device Package	8-PDIP	SOT-23-5	SC-70-5	8-MSOP
CMRR, PSRR (Typ)	70dB CMRR, 80dB PSRR	70dB CMRR, 80dB PSRR	70dB CMRR, 80dB PSRR	70dB CMRR, 80dB PSRR
Package / Case	8-DIP (0.300", 7.62mm)	SC-74A, SOT-753	5-TSSOP, SC-70-5, SOT-353	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Package	Tube	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Input Bias (Max)	1pA @ 5.5V	1pA @ 5.5V	1pA @ 5.5V	1pA @ 5.5V
Voltage - Input Offset (Max)	7mV @ 5.5V	7mV @ 5.5V	7mV @ 5.5V	7mV @ 5.5V
Hysteresis	6.5mV	6.5mV	6.5mV	6.5mV
Current - Output (Typ)	30mA	30mA	30mA	30mA
Base Product Number	MCP6541	MCP6541	MCP6541	MCP6541
Type	General Purpose	General Purpose	General Purpose	General Purpose
Series	-	-	-	-

MCP6541-I/P Datasheet PDF

Download MCP6541-I/P pdf datasheets and Microchip Technology documentation for MCP6541-I/P - Microchip Technology.

Datasheets

[Analog and Interface Product Guide.pdf](#)

[MCP6541\(1R,1U,2,3,4\) Datasheet.pdf](#)

PCN Packaging

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

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

Other Related Documents

[Development Tools Catalog.pdf](#)

PCN Assembly/Origin



Qualification Revision 18/Dec/2013.pdf

PCN Design/Specification



MCP6541 13/Mar/2020.pdf



MCP6541/1R/1U/2/3/4 28/Oct/2022.pdf

Customers Also Interested in

Recommended Products



MCP6541RT-I/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6494T-E/ST

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14TSSOP



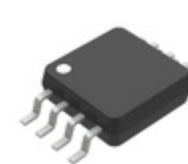
MCP654-E/SL

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14SOIC



MCP6541T-I/LT

Microchip Technology
IC COMPARATOR 1 GEN PUR SC70-5



MCP6541T-I/MS

Microchip Technology
IC COMPARATOR 1 GEN PUR 8MSOP



MCP6541T-E/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6541T-E/OTV03

Micrel / Microchip Technology



MCP652-E/SN

Microchip Technology
IC COMPARATOR 1 GEN PUR 8SOIC



MCP652T-E/SN

Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP6541-I/MS

Microchip Technology
IC COMPARATOR 1 GEN PUR 8MSOP

MCP6522-I/SN

Micrel / Microchip Technology

MCP651T-E/SN

Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP6541T-E/OTV03

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6541RT-E/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6494T-E/SL

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14SOIC



MCP6494-E/SL

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14SOIC



MCP6494-E/ST

Microchip Technology
IC OPAMP GP 4 CIRCUIT 14TSSOP



MCP6541-I/SN

Microchip Technology
IC COMPARATOR 1 GEN PUR 8SOIC

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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Email

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Certifications & Memberships



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