



Image may be representation.
See specifications for product details.



MCP6541T-I/LT

Manufacturer Part Number	MCP6541T-I/LT
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP6541T-I/LT
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC COMPARATOR 1 GEN PUR SC70-5
Package	5-TSSOP, SC-70-5, SOT-353
Data sheet	Analog and Interface Product Guide.pdf MCP6541(1R,1U,2,3,4) Datasheet.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP6541T-I/LT - Microchip Technology. New Original in Stock. Download Linear Technology MCP6541T-I/LT datasheet/specifications on AllelcoElec.com.
Request a quote for MCP6541T-I/LT, please send us email: info@allelco.com

Specifications

MCP6541T-I/LT Tech Specifications

MCP6541T-I/LT - 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	Surface Mount
Type	General Purpose	Hysteresis	6.5mV
Supplier Device Package	SC-70-5	Current - Quiescent (Max)	1µA
Series	-	Current - Output (Typ)	30mA
Propagation Delay (Max)	8µs	Current - Input Bias (Max)	1pA @ 5.5V
Package / Case	5-TSSOP, SC-70-5, SOT-353	CMRR, PSRR (Typ)	70dB CMRR, 80dB PSRR
Package	Tape & Reel (TR)	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 MCP6541T-I/LT

Product Attribute				
Part Number	MCP6541T-I/LT	MCP6541-I/P	MCP6541T-E/OT	MCP6542-E/MS
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Operating Temperature	-40°C ~ 85°C	-40°C ~ 85°C	-40°C ~ 125°C	-40°C ~ 125°C
Current - Output (Typ)	30mA	30mA	30mA	-
Type	General Purpose	General Purpose	General Purpose	General Purpose
Voltage - Supply, Single/Dual (±)	1.6V ~ 5.5V	1.6V ~ 5.5V	1.6V ~ 5.5V	1.6V ~ 5.5V
Supplier Device Package	SC-70-5	8-PDIP	SOT-23-5	8-MSOP
Package	Tape & Reel (TR)	Tube	Tape & Reel (TR)	Tube
Propagation Delay (Max)	8µs	8µs	8µs	8µs
CMRR, PSRR (Typ)	70dB CMRR, 80dB PSRR	70dB CMRR, 80dB PSRR	70dB CMRR, 80dB PSRR	70dB CMRR, 80dB PSRR
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
Package / Case	5-TSSOP, SC-70-5, SOT-353	8-DIP (0.300", 7.62mm)	SC-74A, SOT-753	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)
Current - Input Bias (Max)	1pA @ 5.5V	1pA @ 5.5V	1pA @ 5.5V	1pA @ 5.5V
Hysteresis	6.5mV	6.5mV	6.5mV	6.5mV
Voltage - Input Offset (Max)	7mV @ 5.5V	7mV @ 5.5V	7mV @ 5.5V	7mV @ 5.5V
Current - Quiescent (Max)	1µA	1µA	1µA	1µA
Number of Elements	1	1	1	2
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Base Product Number	MCP6541	MCP6541	MCP6541	MCP6542
Series	-	-	-	-

MCP6541T-I/LT Datasheet PDF

Download MCP6541T-I/LT pdf datasheets and Microchip Technology documentation for MCP6541T-I/LT - 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



SC70-3L/5L Non-Conductive Die
22/Aug/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



MCP6541-I/P

Microchip Technology
IC COMPARATOR 1 GEN PUR 8DIP



MCP6541T-E/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6542-E/MS

Microchip Technology
IC COMPARATOR 2 GEN PUR 8MSOP



MCP6541T-I/MS

Microchip Technology
IC COMPARATOR 1 GEN PUR 8MSOP



MCP6541T-E/OTV03

Micrel / Microchip Technology



MCP6542T-E/MS

Microchip Technology
IC COMPARATOR 2 GEN PUR 8MSOP



MCP6541RT-E/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6541T-I/SN

Microchip Technology
IC COMPARATOR 1 GEN PUR 8SOIC



MCP6541-I/SN

Microchip Technology
IC COMPARATOR 1 GEN PUR 8SOIC



MCP6541RT-I/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6541UT-E/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6542-I/MS

Microchip Technology
IC COMPARATOR 2 GEN PUR 8MSOP



MCP6541T-I/OT

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6541T-E/OTVAO

Microchip Technology
IC COMPARATOR 1 GEN PUR SOT23-5



MCP6542-I/P

Microchip Technology
IC COMPARATOR 2 GEN PUR 8DIP



MCP6542-I/SN

Microchip Technology
IC COMPARATOR 2 GEN PUR 8SOIC



MCP6541-I/MS

Microchip Technology
IC COMPARATOR 1 GEN PUR 8MSOP



MCP6541UT-I/LT

Microchip Technology
IC COMPARATOR 1 GEN PUR SC70-5

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

+00852 9146 4856



Email

info@allelco.com

Certifications & Memberships



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