

Image may be representation.
See specifications for product details.



MCP6144-I/ST

Manufacturer Part Number	MCP6144-I/ST
Manufacturer	Microchip Technology
Allelco Part Number	32D-MCP6144-I/ST
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC OPAMP GP 4 CIRCUIT 14TSSOP
Package	14-TSSOP (0.173", 4.40mm Width)
Data sheet	Analog and Interface Product Guide.pdf MCP6141-44.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MCP6144-I/ST - Microchip Technology. New Original in Stock. Download Linear Technology MCP6144-I/ST datasheet/specifications on AllelcoElec.com.
Request a quote for MCP6144-I/ST, please send us email: info@allelco.com

Specifications

MCP6144-I/ST Tech Specifications

MCP6144-I/ST - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Operating Temperature	-40°C ~ 85°C (TA)
Voltage - Supply Span (Min)	1.4 V	Number of Circuits	4
Voltage - Supply Span (Max)	6 V	Mounting Type	Surface Mount
Voltage - Input Offset	3 mV	Gain Bandwidth Product	100 kHz
Supplier Device Package	14-TSSOP	Current - Supply	600nA (x4 Channels)
Slew Rate	0.024V/μs	Current - Output / Channel	20 mA
Series	-	Current - Input Bias	1 pA
Package / Case	14-TSSOP (0.173", 4.40mm Width)	Base Product Number	MCP6144
Package	Tube	Amplifier Type	General Purpose
Output Type	Rail-to-Rail		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology MCP6144-I/ST

Product Attribute				
Part Number	MCP6144-I/ST	MCP6142T-E/SN	MCP617-I/MS	MCP619-I/SL
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Series	-	-	-	-
Supplier Device Package	14-TSSOP	8-SOIC	8-MSOP	14-SOIC
Gain Bandwidth Product	100 kHz	100 kHz	190 kHz	190 kHz
Package / Case	14-TSSOP (0.173", 4.40mm Width)	8-SOIC (0.154", 3.90mm Width)	8-TSSOP, 8-MSOP (0.118", 3.00mm Width)	14-SOIC (0.154", 3.90mm Width)
Number of Circuits	4	2	2	4
Current - Output / Channel	20 mA	20 mA	17 mA	17 mA
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Output Type	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail	Rail-to-Rail
Current - Supply	600nA (x4 Channels)	600nA (x2 Channels)	19μA (x2 Channels)	19μA (x4 Channels)
Amplifier Type	General Purpose	General Purpose	CMOS	CMOS
Voltage - Supply Span (Min)	1.4 V	1.4 V	2.3 V	2.3 V
Base Product Number	MCP6144	MCP6142	MCP617	MCP619
Slew Rate	0.024V/μs	0.024V/μs	0.08V/μs	0.08V/μs
Voltage - Input Offset	3 mV	3 mV	150 μV	150 μV
Voltage - Supply Span (Max)	6 V	6 V	5.5 V	5.5 V
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C	-40°C ~ 85°C
Current - Input Bias	1 pA	1 pA	5 nA	5 nA
Package	Tube	Tape & Reel (TR)	Tube	Tube

MCP6144-I/ST Datasheet PDF

Download MCP6144-I/ST pdf datasheets and Microchip Technology documentation for MCP6144-I/ST - Microchip Technology.

Datasheets

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

[MCP6141-44.pdf](#)

PCN Packaging

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

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


Environmental Information

[Microchip CA Prop65.pdf](#)

[Microchip REACH.pdf](#)

[Microchip RoHS.pdf](#)


Other Related Documents


 Development Tools Catalog.pdf

PCN Assembly/Origin

 Leadframe Material 29/Sep/2017.pdf

PCN Design/Specification

 MCP616/7/8/9 07/Nov/2019.pdf

 MCP6141/2/3/4 21/Nov/2019.pdf

Customers Also Interested in

Recommended Products



MCP6142T-E/SN
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP617-I/MS
Microchip Technology
IC CMOS 2 CIRCUIT 8MSOP



MCP619-I/SL
Microchip Technology
IC CMOS 4 CIRCUIT 14SOIC



MCP6142T-E/MS
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8MSOP



MCP617-I/P
Microchip Technology
IC CMOS 2 CIRCUIT 8DIP



MCP619T-I/SL
Microchip Technology
IC CMOS 4 CIRCUIT 14SOIC



MCP6142T-I/MS
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8MSOP



MCP617T-I/MS
Microchip Technology
IC CMOS 2 CIRCUIT 8MSOP



MCP619-I/ST
Microchip Technology
IC CMOS 4 CIRCUIT 14TSSOP



MCP6144-I/SL
Microchip Technology
IC OPAMP GP 4 CIRCUIT 14SOIC



MCP6142-E/SN
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP617-I/SN
Microchip Technology
IC CMOS 2 CIRCUIT 8SOIC



MCP6142-I/SN
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP6142T-I/SN
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8SOIC



MCP616T-I/SN
Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP6142-I/MS
Microchip Technology
IC OPAMP GP 2 CIRCUIT 8MSOP



MCP616-I/SN
Microchip Technology
IC OPAMP GP 1 CIRCUIT 8SOIC



MCP617T-I/SN
Microchip Technology
IC CMOS 2 CIRCUIT 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.

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Certifications & Memberships



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