



Image may be representation.
See specifications for product details.



EP1K50TC144-1

Manufacturer Part Number	EP1K50TC144-1
Manufacturer	Intel
Allelco Part Number	32D-EP1K50TC144-1
ECAD Model	Request Free CAD Models
Parts Description	IC FPGA 102 I/O 144TQFP
Package	144-LQFP
Data sheet	Cylindrical Battery Holders.pdf

[Get a Quote](#)

EP1K50TC144-1 - Intel.New Original in Stock. Download Linear Technology EP1K50TC144-1 datasheet/specifications on AllelcoElec.com.
Request a quote for EP1K50TC144-1, please send us email: info@allelco.com

Specifications

EP1K50TC144-1 Tech Specifications

EP1K50TC144-1 - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 70°C (TA)
Voltage - Supply	2.375V ~ 2.625V	Number of Logic Elements/Cells	2880
Total RAM Bits	40960	Number of LABs/CLBs	360
Supplier Device Package	144-TQFP (20x20)	Number of I/O	102
Series	ACEX-1K®	Number of Gates	199000
Package / Case	144-LQFP	Mounting Type	Surface Mount
Package	Tray	Base Product Number	EP1K50

Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP1K50TC144-1

Product Attribute				
Part Number	EP1K50TC144-1	EP1K50TC144-3	EP1K50QC208-2	EP1K50QC208-2N
Manufacturer	Intel	Intel	Intel	Intel
Number of Gates	199000	199000	199000	199000
Base Product Number	EP1K50	EP1K50	EP1K50	EP1K50
Supplier Device Package	144-TQFP (20x20)	144-TQFP (20x20)	208-PQFP (28x28)	208-PQFP (28x28)
Number of Logic Elements/Cells	2880	2880	2880	2880
Number of LABs/CLBs	360	360	360	360
Series	ACEX-1K®	ACEX-1K®	ACEX-1K®	ACEX-1K®
Total RAM Bits	40960	40960	40960	40960
Voltage - Supply	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V	2.375V ~ 2.625V
Number of I/O	102	102	147	147
Package	Tray	Tray	Tray	Tray
Operating Temperature	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C (TA)
Package / Case	144-LQFP	144-LQFP	208-BFQFP	208-BFQFP
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

EP1K50TC144-1 Datasheet PDF

Download EP1K50TC144-1 pdf datasheets and Intel documentation for EP1K50TC144-1 - Intel.

Datasheets

[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[All Dev Pkg Chg 1/Aug/2018.pdf](#)

[Mult Dev Dessicant Chg 19/Jul/2019.pdf](#)

PCN Obsolescence/ EOL

[EOL 01/Dec/2016.pdf](#)

[EOL 21/Nov/2016.pdf](#)

PCN Other

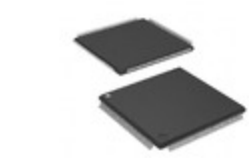
[Software Disc 06/Nov/2020.pdf](#)

PCN Design/Specification

[Mult Series Software Chgs 26/Mar/2020.pdf](#)

Customers Also Interested in

Recommended Products



EP1K50TC144-3

Intel
IC FPGA 102 I/O 144TQFP



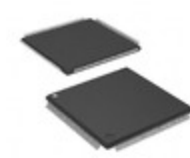
EP1K50QC208-2

Intel
IC FPGA 147 I/O 208QFP



EP1K50QC208-2N

Intel
IC FPGA 147 I/O 208QFP



EP1K50TC144-2N

Intel
IC FPGA 102 I/O 144TQFP



EP1K50QC208-3

Intel
IC FPGA 147 I/O 208QFP



EP1K50QC208-1N

Intel
IC FPGA 147 I/O 208QFP



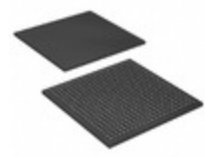
EP1K50TC144-1N

Intel
IC FPGA 102 I/O 144TQFP



EP1K50QC208-1

Intel
IC FPGA 147 I/O 208QFP



EP1M120F484C5

Intel
IC FPGA 303 I/O 484FBGA



EP1K50QC208-3N

Intel
IC FPGA 147 I/O 208QFP



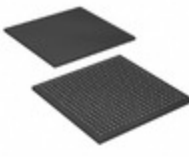
EP1K50TI144-2

Intel
IC FPGA 102 I/O 144TQFP



EP1K50QI208-2N

Intel
IC FPGA 147 I/O 208QFP



EP1M120F484C5N

Intel
IC FPGA 303 I/O 484FBGA



EP1K50TC144-3N

Intel
IC FPGA 102 I/O 144TQFP



EP1K50TC144-2

Intel
IC FPGA 102 I/O 144TQFP



EP1K50TI144-2N

Intel
IC FPGA 102 I/O 144TQFP



EP1K50QI208-2

Intel
IC FPGA 147 I/O 208QFP



EP1K50FI484-2

Altera
LOADABLE PLD, 0.4NS PBGA484

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



View More



ALLELCO LIMITED
WWW.ALLELCOELEC.COM

Contact us

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong

Phone: +00852 9146 4856

Fax: +00852 3010 8510

Email: info@Allelco.com

Copyright © 2012-2023 AllelcoElec.com. All rights reserved.