

Image may be representation.  
See specifications for product details.



## EP4S40G5H40I1N

Manufacturer Part Number **EP4S40G5H40I1N**

Manufacturer **Intel**

Allelco Part Number **32D-EP4S40G5H40I1N**

ECAD Model [Request Free CAD Models](#)

Parts Description **IC FPGA 654 I/O 1517HBGA**

Package **1517-BBGA, FCBGA**

Data sheet [Virtual JTAG Megafuntion Guide.pdf](#)

[Stratix IV Devices.pdf](#)

[Stratix IV Device Handbook Vol1.pdf](#)

RoHS Status **RoHS Compliant**

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EP4S40G5H40I1N - Intel.New Original in Stock. Download Linear Technology EP4S40G5H40I1N datasheet/specifications on AllelcoElec.com.  
Request a quote for EP4S40G5H40I1N, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

EP4S40G5H40I1N Tech Specifications

EP4S40G5H40I1N - Intel technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Intel	Operating Temperature	0°C ~ 100°C (TJ)
Voltage - Supply	0.92V ~ 0.98V	Number of Logic Elements/Cells	531200
Total RAM Bits	28033024	Number of LABs/CLBs	21248
Supplier Device Package	1517-HBGA (42.5x42.5)	Number of I/O	654
Series	STRATIX® IV GT	Mounting Type	Surface Mount
Package / Case	1517-BBGA, FCBGA	Base Product Number	EP4S40G5
Package	Tray		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Intel EP4S40G5H40I1N

Product Attribute				
Part Number	EP4S40G5H40I1N	EP4SE230F29I3N	EP4S40G5H40I2NAD	EP4S40G5H40I1
Manufacturer	Intel	Intel	Intel	Intel
Base Product Number	EP4S40G5	EP4SE230	-	EP4S40G5
Voltage - Supply	0.92V ~ 0.98V	0.87V ~ 0.93V	0.92V ~ 0.98V	0.92V ~ 0.98V
Series	STRATIX® IV GT	STRATIX® IV E	STRATIX® IV GT	STRATIX® IV GT
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Supplier Device Package	1517-HBGA (42.5x42.5)	780-FBGA (29x29)	1517-HBGA (42.5x42.5)	1517-HBGA (42.5x42.5)
Total RAM Bits	28033024	17544192	28033024	28033024
Number of Logic Elements/Cells	531200	228000	531200	531200
Operating Temperature	0°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	-40°C ~ 100°C (TJ)	0°C ~ 100°C (TJ)
Package / Case	1517-BBGA, FCBGA	780-BBGA, FCBGA	1517-BBGA, FCBGA	1517-BBGA, FCBGA
Number of I/O	654	488	654	654
Package	Tray	Tray	Tray	Tray
Number of LABs/CLBs	21248	9120	212480	21248

## EP4S40G5H40I1N Datasheet PDF

Download EP4S40G5H40I1N pdf datasheets and Intel documentation for EP4S40G5H40I1N - Intel.

### Datasheets



[Virtual JTAG Megafuntion Guide.pdf](#)



[Stratix IV Devices.pdf](#)



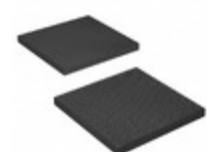
[Stratix IV Device Handbook Vol1.pdf](#)

## Customers Also Interested in

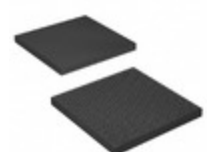
### Recommended Products



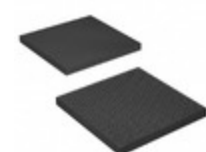
**EP4SE230F29I3N**  
Intel  
IC FPGA 488 I/O 780FBGA



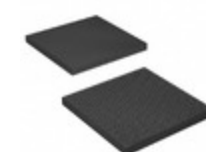
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Intel  
IC FPGA 654 I/O 1517HBGA



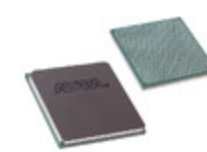
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Intel  
IC FPGA 654 I/O 1517HBGA



**EP4S40G2F40I2NAB**  
Intel  
IC FPGA 654 I/O 1517FBGA



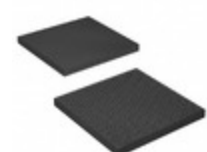
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Intel  
IC FPGA 654 I/O 1517HBGA



**EP4SE230F29I4N**  
Intel  
IC FPGA 488 I/O 780FBGA



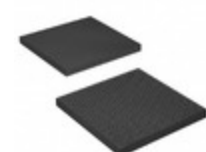
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Intel  
IC FPGA 654 I/O 1517FBGA



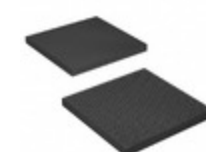
**EP4S40G2F40I3**  
Intel  
IC FPGA 654 I/O 1517FBGA



**EP4S40G5H40**  
Altera (Intel)



**EP4S40G2F40I2N**  
Intel  
IC FPGA 654 I/O 1517FBGA



**EP4S40G5H40I2N**  
Intel  
IC FPGA 654 I/O 1517HBGA



**EP4S40G5H40C1N**

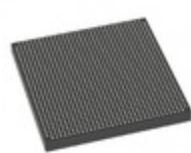


EP4S40G5H40C3N



EP4S40G5H40C2N

Altera (Intel)



EP4SE230F35I4NAD

Intel  
IC FPGA 1152FBGA



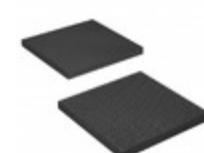
EP4SE230F29C4N

Intel  
IC FPGA 488 I/O 780FBGA



EP4SE230F29C2N

Intel  
IC FPGA 488 I/O 780FBGA



EP4S40G2F40I3N

Intel  
IC FPGA 654 I/O 1517FBGA

## 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.

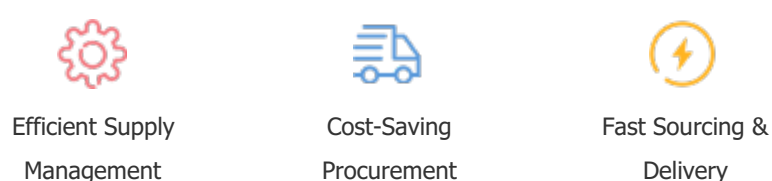
## Payment Support

The payment method can be chosen from the methods shown below:

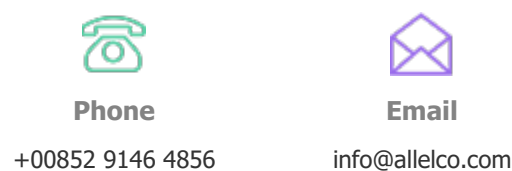
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



View More



## Contact us

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Fax: +00852 3010 8510  
Email: info@Allelco.com

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