



### **EP4SE230F29I3N Information**

oxy.Abelter om

For Reference Only

Part Number EP4SE230F29I3N

Manufacturer Altera

Category Integrated Circuits (ICs)

Embedded - FPGAs (Field Programmable Gate

Array)

**Description** IC FPGA 488 I/O 780FBGA

Package 780-BBGA, FCBGA

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



Request a Quote

## **Certified Quality**

Heisener's commitment to quality has shaped our processes for sourcing, testing, shipping, and every step in between. This foundation underlies each component we sell.









## **EP4SE230F29I3N Specifications**

Manufacturer Part Number	EP4SE230F29I3N
Manufacturer	Altera
Category	Integrated Circuits (ICs)
	Embedded - FPGAs (Field Programmable Gate Array)
Package	780-BBGA, FCBGA
Series	STRATIX? IV E
Number of LABs/CLBs	9120
Number of Logic Elements/Cells	228000
Total RAM Bits	17544192
Number of I/O	488
Number of Gates	-
Voltage - Supply	0.87 V ~ 0.93 V
Mounting Type	Surface Mount
Operating Temperature	-40°C ~ 100°C (TJ)
Package / Case	780-BBGA, FCBGA
Supplier Device Package	780-FBGA (29x29)
	Report errors?

#### EP4SE230F29I3N Guarantees



#### **Quality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



#### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

# **EP4SE230F29I3N Payment Methods**



















### **EP4SE230F29I3N Shipping Methods**













If you have any question about EP4SE230F29I3N, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com