

**ICE65P04F-TCB196C Information**


For Reference Only

**Part Number** [ICE65P04F-TCB196C](#)  
**Manufacturer** Lattice Semiconductor Corporation  
**Category** Integrated Circuits (ICs)  
[Embedded - FPGAs \(Field Programmable Gate Array\)](#)  
**Description** IC FPGA 148 I/O 196CSBGA  
**Package** 196-VFBGA, CSPBGA  
 For the pricing/inventory/lead time, please contact us  
 Website: <https://www.heisener.com>  
 E-mail: [salesdept@heisener.com](mailto: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.


**ICE65P04F-TCB196C Specifications**

Manufacturer Part Number	<a href="#">ICE65P04F-TCB196C</a>
Manufacturer	Lattice Semiconductor Corporation
Category	Integrated Circuits (ICs) <a href="#">Embedded - FPGAs (Field Programmable Gate Array)</a>
Package	196-VFBGA, CSPBGA
Series	iCE65? P
Number of LABs/CLBs	440
Number of Logic Elements/Cells	3520
Total RAM Bits	81920
Number of I/O	148
Number of Gates	-
Voltage - Supply	1.14 V ~ 1.26 V
Mounting Type	Surface Mount
Operating Temperature	0°C ~ 70°C (TA)
Package / Case	196-VFBGA, CSPBGA
Supplier Device Package	196-CSPBGA (8x8)

[Report errors?](#)

## ICE65P04F-TCB196C 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.

## ICE65P04F-TCB196C Payment Methods



## ICE65P04F-TCB196C Shipping Methods



If you have any question about ICE65P04F-TCB196C, please do not hesitate to contact us!

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E-mail: [salesdept@heisener.com](mailto:salesdept@heisener.com)