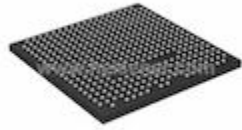


**LFE5U-12F-6BG381I Information**


For Reference Only

**Part Number** [LFE5U-12F-6BG381I](#)  
**Manufacturer** Lattice Semiconductor Corporation  
**Category** Integrated Circuits (ICs)  
[Embedded - FPGAs \(Field Programmable Gate Array\)](#)  
**Description** 12K LUTS, 197 /O, 1.1V, -6 SPEED  
**Package** 381-FBGA  
 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.


**LFE5U-12F-6BG381I Specifications**

|                                |   |
|--------------------------------|---|
| Manufacturer Part Number       | <a href="#">LFE5U-12F-6BG381I</a>   |
| Manufacturer                   | Lattice Semiconductor Corporation   |
| Category                       | Integrated Circuits (ICs)<br><a href="#">Embedded - FPGAs (Field Programmable Gate Array)</a> |
| Package                        | 381-FBGA  |
| Series                         | ECP5  |
| Number of LABs/CLBs            | 3000  |
| Number of Logic Elements/Cells | 12000   |
| Total RAM Bits                 | 589824  |
| Number of I/O                  | 197   |
| Number of Gates                | -   |
| Voltage - Supply               | 1.045 V ~ 1.155 V   |
| Mounting Type                  | Surface Mount   |
| Operating Temperature          | -40°C ~ 100°C (TJ)  |
| Package / Case                 | 381-FBGA  |
| Supplier Device Package        | 381-CABGA (17x17)   |

[Report errors?](#)

## LFE5U-12F-6BG381I 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.

## LFE5U-12F-6BG381I Payment Methods



## LFE5U-12F-6BG381I Shipping Methods



If you have any question about LFE5U-12F-6BG381I, please do not hesitate to contact us!

Website: <https://www.heisener.com>

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