

Virtex®-4 LX Family 152064 Cells 90nm (CMOS) Technology 1.2V

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	BGA-1148
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC4VLX160-12FF1148C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC4VLX160-12FF1148C is a Field-Programmable Gate Array (FPGA) device manufactured by Xilinx. Here's a breakdown of what each part of the name means:

### Features

- XC: This is the Xilinx product family indicator.
- 4V: This indicates that the device belongs to the Virtex-4 family.
- LX: This indicates that the device is a logic-optimized FPGA.
- 160: This indicates the number of thousands of logic cells available in the device.
- 12: This indicates the maximum speed grade of the device (in this case, 1.2 Gbps).
- FF: This indicates the package type (in this case, a flip-chip ball grid array).
- 1148C: This is the package pin count and pitch (in this case, 1148 pins with a pitch of 1.0 mm).

### Application

- 160,000 logic cells
- Up to 600 MHz clock frequency
- 768 input/output pins
- Up to 10.3125 Gbps transceivers
- Up to 1.6 Tbps switching capacity
- Multiple power-saving modes
- Advanced clock management



## Related Products



### [XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



### [XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc  
BGA-225



### [XCV50-6BG256C](#)

AMD Xilinx, Inc  
BGA256



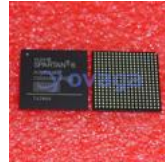
### [XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



### [XC6SLX25-3FTG256C](#)

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### [XC6SLX16-3CSG324C](#)

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### [XCF32PVO48C](#)

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