

FPGA Virtex®-4 SX Family 55296 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 XC4VSX55-10FF1148I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC4VSX55-10FF1148I is a Field-Programmable Gate Array (FPGA) from the Virtex-4 family of Xilinx. It is a high-performance FPGA with 55,360 logic cells, 864KB of distributed RAM, 192 multipliers, and 10 high-speed transceivers. The device operates at a maximum frequency of 687 MHz and has 1148 fine-pitch Ball Grid Array (BGA) package.

## Features

- High-performance FPGA with 55,360 logic cells
- 864KB of distributed RAM
- 192 multipliers for high-speed DSP processing
- 10 high-speed transceivers for serial connectivity
- Supports a wide range of I/O standards
- Configurable I/O voltage levels (1.2V, 1.5V, 1.8V, 2.5V, and 3.3V)
- Built-in PowerPC processor for system-level control and management
- Supports partial reconfiguration and dynamic reconfiguration
- 1148 fine-pitch BGA package

## Application

- High-performance computing
- Aerospace and defense
- Industrial control and automation
- Broadcast and professional video
- Medical imaging
- Scientific research

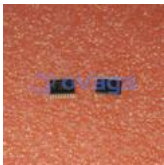


## Related Products



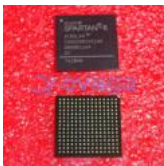
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AMD Xilinx, Inc  
SOP-20



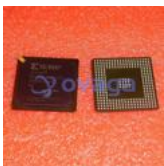
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TSSOP20



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

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BGA-225



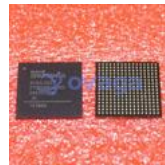
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AMD Xilinx, Inc  
BGA256



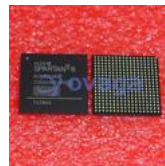
### [XCF08PV0G48C](#)

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TSOP-48



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

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BGA-256



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

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BGA-324



### [XCF32PVO48C](#)

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