

FPGA Spartan-6 LX Family 14579 Cells 45nm Technology 1.2V 324Pin CSBGA

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	BGA-324
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC6SLX16-2CSG324I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC6SLX16-2CSG324I is a Field-Programmable Gate Array (FPGA) manufactured by Xilinx Inc. It is a member of the Spartan-6 family of FPGAs and has 16,640 logic cells, 28 DSP slices, and 576 KB of block RAM. The device operates with a maximum clock frequency of 200 MHz and supports up to 622 Mbps data transfer rates.

## Features

- 16,640 logic cells
- 28 DSP slices
- 576 KB of block RAM
- Maximum clock frequency of 200 MHz
- Supports up to 622 Mbps data transfer rates
- 324-pin Chip-Scale Package (CSP)

## Application

- Industrial control systems
- Automotive electronics
- Communications equipment
- Aerospace and defense systems
- Video and image processing
- Medical devices

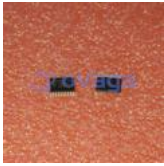


## Related Products



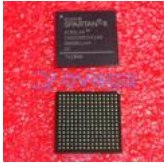
### [XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



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

AMD Xilinx, Inc  
BGA-225



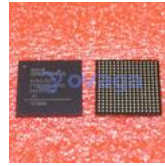
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AMD Xilinx, Inc  
BGA256



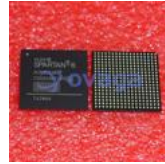
### [XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



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

AMD Xilinx, Inc  
BGA-256



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

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BGA-324



### [XCF32PVO48C](#)

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