

FPGA Spartan?-6 LXT Family 74637 Cells 45nm (CMOS) Technology 1.2V 676-Pin FBGA - T02

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	BGA-676
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC6SLX75T-2FGG676I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC6SLX75T-2FGG676I is a part number from the Xilinx Spartan-6 FPGA family. It is a Field-Programmable Gate Array (FPGA) that is designed to be programmed by the user after manufacturing. The XC6SLX75T-2FGG676I is a high-performance, low-power FPGA that offers a range of features for implementing digital circuits, including configurable logic blocks, memory blocks, and digital signal processing blocks.

### Features

- 75,008 logic cells
- 1.2V core voltage
- 356 user I/O pins
- Up to 840 Mb/s data transfer rate
- Up to 622 I/O pins with built-in support for LVDS, RSDS, and HSTL I/O standards
- Up to 576 Kb of block RAM
- Up to 180 DSP slices
- 8 global clock networks

### Application

- Aerospace and defense systems
- Automotive systems
- Broadcast equipment
- Industrial control systems
- Medical equipment
- Video and image processing systems
- Wired and wireless communication systems



## Related Products



### [XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



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

AMD Xilinx, Inc  
BGA-225



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

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BGA256



### [XCF08PV0G48C](#)

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

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BGA-256



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

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### [XCF32PVO48C](#)

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