Ovaga

XC6SLX150T-3FG676I

Spartan-6 LXT Family 147443 Cells 45nm (CMOS) Technology 1.2V

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA676
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for XC6SLX150T-3FG676I or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

XC6SLX150T-3FG676I is a specific model number of a field-programmable gate array (FPGA) manufactured by Xilinx. Here is some information about it:

Features

The "XC6SLX150T" part of the name indicates that this is a member of the Xilinx Spartan-6 family of FPGAs, with 150,000 logic cells (hence the "150" in the name).

The "3" in the name indicates that this FPGA is rated for a maximum operating speed of 3.33 Gbps.

The "FG676" indicates that the package type is a 676-ball Fine-Pitch Ball Grid Array (FBGA).

The "I" at the end indicates the temperature grade, in this case the extended industrial grade.

Application

Aerospace and defense: FPGAs can be used to implement digital signal processing algorithms for things like radar and communication systems.

High-performance computing: FPGAs can be used to accelerate certain types of computations, such as those used in machine learning and data analytics.

Industrial control and automation: FPGAs can be used to implement custom control systems for things like factory automation and robotics.

Video and image processing: FPGAs can be used to implement real-time image and video processing algorithms, such as those used in medical imaging or video surveillance systems.

Related Products

[XC18V01S020C](#)

AMD Xilinx, Inc

SOP-20

[XCF08PV0G48C](#)

AMD Xilinx, Inc

TSOP-48

[XCF04SV0G20C](#)

AMD Xilinx, Inc

TSSOP20

[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc

BGA-256

[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc

BGA-225

[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc

BGA-324

[XCV50-6BG256C](#)

AMD Xilinx, Inc

BGA256

[XCF32PVO48C](#)

AMD Xilinx, Inc

TSOP48