

XC6SLX150T-3FG676I

Data Sheet

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.



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

Application

of the Xilinx Spartan-6 family of FPGAs, with 150,000 logic cells (hence the "150" in the name).

operating speed of 3.33 Gbps.

Ball Grid Array (FBGA).

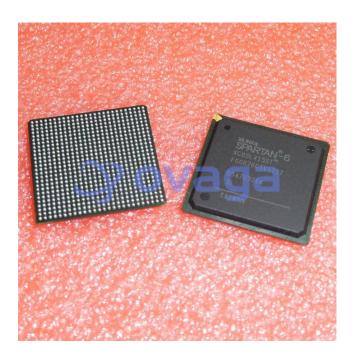
The "I" at the end indicates the temperature grade, in this case the extended industrial grade.

The "XC6SLX150T" part of the name indicates that this is a member 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 The "3" in the name indicates that this FPGA is rated for a maximum types of computations, such as those used in machine learning and data analytics.

The "FG676" indicates that the package type is a 676-ball Fine-Pitch 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



XCF04SV0G20C

AMD Xilinx, Inc TSSOP20



XC6SLX4-2CSG225C

AMD Xilinx, Inc BGA-225



<u>XCV50-6BG256C</u>

AMD Xilinx, Inc BGA256



XCF08PV0G48C

AMD Xilinx, Inc TSOP-48



XC6SLX25-3FTG256C

AMD Xilinx, Inc BGA-256



XC6SLX16-3CSG324C

AMD Xilinx, Inc BGA-324



XCF32PVO48C

AMD Xilinx, Inc TSOP48