

FPGA Spartan-3E Family 1.6M Gates 33192 Cells 657MHz 90nm (CMOS) Technology 1.2V

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA-484
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC3S1600E-5FGG484C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC3S1600E-5FGG484C is a part number for a field-programmable gate array (FPGA) from Xilinx, a leading semiconductor company that specializes in programmable logic devices. Let's break down the information in the part number:

Features

"XC3S1600E": This refers to the specific FPGA family and model. In this case, it belongs to the Xilinx Spartan-3E family, with a capacity of 1600 logic cells.

"5FGG484C": This describes the FPGA's package type and pin count. In this case, it has a Fine-Pitch Ball Grid Array (FBGA) package with 484 pins.

Application

1600 logic cells, which are programmable building blocks that can be configured to implement digital logic functions.

56 kilobits (KB) of distributed RAM and 16 multipliers for digital signal processing (DSP) applications.

Support for various I/O standards, such as LVCMOS, LVTTTL, and LVDS, making it suitable for interfacing with different types of devices.

Built-in configuration memory for storing the FPGA configuration bitstream, which defines the desired logic functions and connections.

JTAG programming interface for configuring the FPGA during development.



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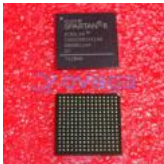
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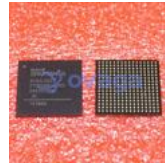
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