

FPGA Spartan®-3 Family 50K Gates 1728 Cells 630MHz 90nm Technology 1.2V

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	144-LQFP
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC3S50-4TQG144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC3S50-4TQG144C is a model number of a field-programmable gate array (FPGA) manufactured by Xilinx Inc.

### Features

It has 50,000 logic cells and 1.2 million system gates, making it suitable for mid-range digital signal processing (DSP) and high-speed communication applications.

It operates with a maximum frequency of 400 MHz and provides up to 720 user I/O pins.

It has a 1.2V core voltage and is fabricated using 90nm technology, which provides a balance between speed and power consumption.

### Application

Digital signal processing (DSP) in applications such as radar and sonar signal processing, video and image processing, and medical imaging.

High-speed communication applications, such as Ethernet switches and routers, optical networking, and wireless communication.

Industrial control and automation, including motor control and power management.

Aerospace and defense applications, such as avionics, military radios, and missile guidance systems.

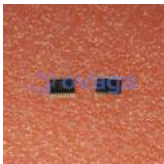


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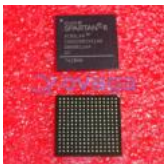
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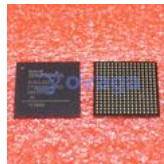
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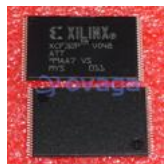
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