

FPGA Spartan®-II Family 50K Gates 1728 Cells 263MHz 0.18um Technology 2.5V

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



Images are for reference only

Please submit RFQ for XC2S50-5TQG144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2S50-5TQG144C is a field-programmable gate array (FPGA) from the Xilinx Spartan-II family. It is a device that can be configured by a user after manufacturing, allowing for flexible and customizable digital logic circuits. The "XC2S50" designation indicates that this particular FPGA has 50,000 system gates, and the "-5" indicates that it is rated to operate at a maximum frequency of 5 MHz. The "TQG144C" part of the designation refers to the package type and pin count, which is a 144-pin thin quad flat pack (TQFP).

## Features

- 50,000 system gates
- Maximum operating frequency of 5 MHz
- 2.5V core voltage
- 144-pin TQFP package
- 5V tolerant I/O pins
- 1,728 bytes of block RAM

## Application

- Communications systems
- Consumer electronics
- Medical equipment
- Industrial control systems
- Aerospace and defense



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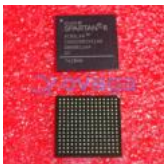
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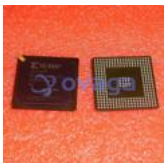
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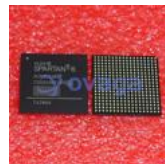
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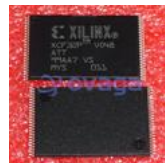
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