

Spartan and Spartan-XL Families Field Programmable Gate Arrays FPGA

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	QFP100
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XCS30-3VQ100C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XCS30-3VQ100C is a specific model of field-programmable gate array (FPGA) manufactured by Xilinx, a leading semiconductor company that specializes in programmable logic devices. The "XCS30" refers to the device family, "3VQ100C" indicates the package type and speed grade.

## Features

**30,000 logic cells:** It has 30,000 configurable logic cells, which are the building blocks of the FPGA that can be programmed to implement various digital circuits or systems.

**VQ100C package:** It comes in a VQ100C package, which is a Quad Flat No-Lead (QFN) package with 100 pins.

**3V operation:** It operates at a voltage of 3.3 volts (3V), which is a common voltage level for many digital systems.

**High-performance:** It has high-speed performance with a maximum operating frequency of up to several hundred megahertz (MHz) or even gigahertz (GHz), depending on the specific design and implementation.

## Application

**Embedded systems:** It can be used in embedded systems, where programmable logic is required for custom functions or interfaces.

**Communications:** It can be used in communication systems for tasks such as protocol conversion, packet processing, and signal modulation/demodulation.

**Industrial control:** It can be used in industrial control systems for tasks such as motor control, sensor interfacing, and process control.

**Video and image processing:** It can be used in video and image processing applications for tasks such as video encoding/decoding, image recognition, and real-time image processing.

## Related Products



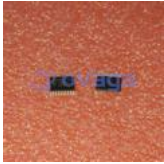
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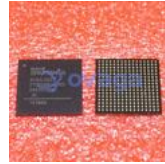
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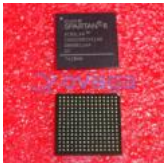
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