

Spartan and Spartan-XL Families Field Programmable Gate Arrays FPGA

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 XCS20-3TQ144I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XCS20-3TQ144I is an integrated circuit (IC) belonging to the Xilinx Spartan®-3 family of Field-Programmable Gate Arrays (FPGAs).

### Features

- 20,000 logic cells (LCs)
- 360Kbits of block RAM
- 244 user I/Os
- Three digital clock managers (DCMs)
- Internal configuration memory of 256Kbits
- Supported by Xilinx ISE® and Vivado® design software

### Application

XCS20-3TQ144I is a versatile FPGA suitable for a wide range of applications, including industrial automation, automotive, aerospace, and defense.

It can be used to implement complex digital systems, such as digital signal processing, image processing, and network processing.

Its high-speed I/Os make it suitable for applications requiring high-bandwidth data transfer.

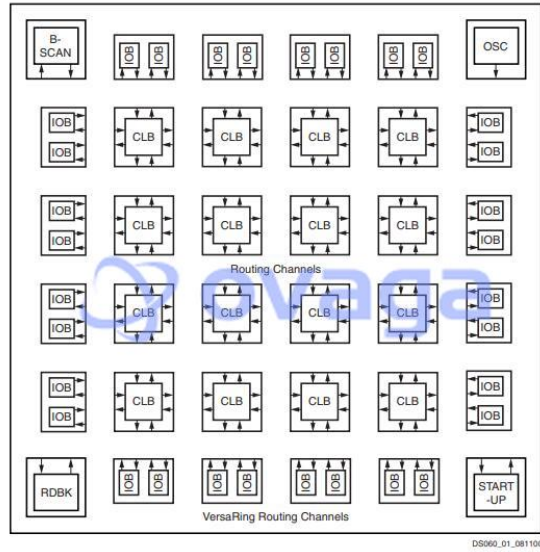


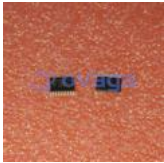
Figure 1: Basic FPGA Block Diagram

**Related Products**



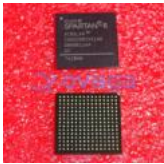
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AMD Xilinx, Inc  
SOP-20



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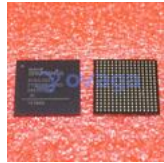
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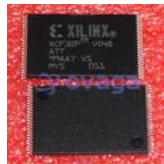
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