

Spartan and Spartan-XL Families Field Programmable Gate Arrays

Manufacturers	AMD Xilinx, Inc
Package/Case	TQFP144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XCS10XL-5TQ144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

RFQ

General Description

XCS10XL-5TQ144C is a field-programmable gate array (FPGA) manufactured by Xilinx Inc.

Features

It has a capacity of 10,000 logic cells, which can be programmed to implement various digital logic functions.

It has 576 kilobits of embedded block RAM for storing data and instructions.

It has 12 digital signal processing (DSP) blocks that can be used to implement complex algorithms.

It has a 3.3-volt power supply and operates at a maximum frequency of 200 MHz.

It has a total of 82 user I/O pins for interfacing with external devices.

Application

XCS10XL-5TQ144C is used in a wide range of applications such as aerospace, automotive, telecommunications, and industrial automation.

It can be used for signal processing, motor control, data acquisition, and image processing.

It can also be used as a replacement for ASICs (application-specific integrated circuits) in low-volume production runs, where the cost of designing and manufacturing an ASIC is not justified.



Related Products



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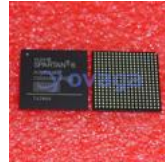
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