

50000 SYSTEM GATE 2.5 VOLT LOGIC CELL AR - NOT RECOMMENDED for NEW DESIGN

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	TQFP144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC2S50-6TQG144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2S50-6TQG144C is a part number for a field-programmable gate array (FPGA) produced by Xilinx Inc.

## Features

The XC2S50-6TQG144C is a member of the Spartan-II family of FPGAs and is based on a CMOS process technology.

It has a capacity of 50,000 system gates and 1,152 logic cells, and it supports up to 149 user I/Os.

The device operates at a maximum frequency of 200 MHz and has a 6ns propagation delay.

It also features on-chip memory blocks, digital clock managers, and phase-locked loops (PLLs).

## Application

Digital signal processing

Communications systems

Industrial automation and control

Military and aerospace applications

Automotive systems

Consumer electronics

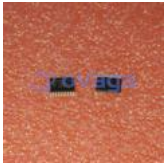


**Related Products**



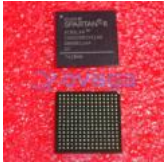
[XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



[XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc  
BGA-225



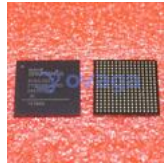
[XCV50-6BG256C](#)

AMD Xilinx, Inc  
BGA256



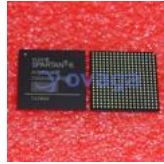
[XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc  
BGA-256



[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc  
BGA-324



[XCF32PVO48C](#)

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TSOP48