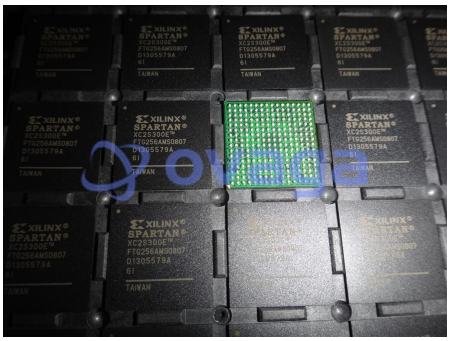
XC2S300E-6FTG256I

Data Sheet

300,000 SYSTEM GATE 1.8V FPGA - NOT RECOMMENDED for NEW DESIGN

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA-256
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC2S300E-6FTG256I or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

XC2S300E-6FTG256I is a type of field-programmable gate array (FPGA) manufactured by Xilinx, which is a company that specializes in designing and producing programmable logic devices.

Features

It has a maximum gate count of 300,000.

It has 4.4 Mb of block RAM and 72 DSP slices.

It has 381 user I/Os and supports LVDS signaling.

It operates at a maximum clock frequency of 200 MHz.

It has a 1.2V core voltage and 2.5V or 3.3V I/O voltage.

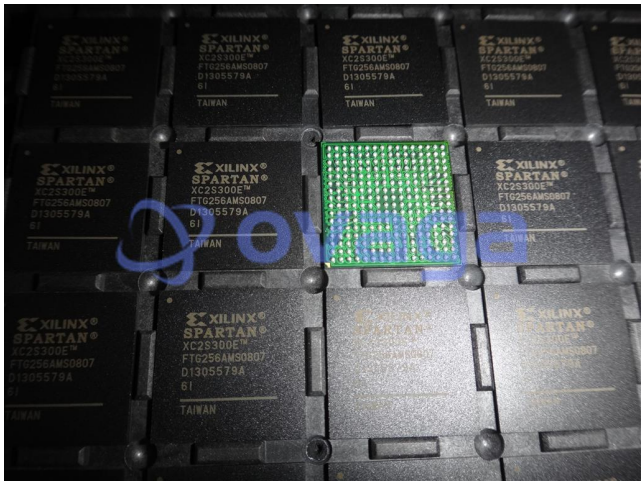
Application

Communications: It can be used for high-speed serial communication protocols such as PCI Express, Serial RapidIO, and Gigabit Ethernet.

Video and Image Processing: It can be used to implement complex image and video processing algorithms such as image filtering, compression, and edge detection.

Control Systems: It can be used for motor control, power management, and other control applications.

Industrial: It can be used for automation and control applications in industrial settings.



Related Products

[XC18V01S020C](#)

AMD Xilinx, Inc

SOP-20

[XCF08PV0G48C](#)

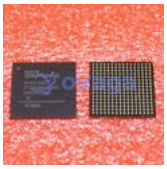
AMD Xilinx, Inc

TSOP-48

[XCF04SV0G20C](#)

AMD Xilinx, Inc

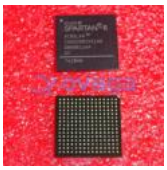
TSSOP20



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc

BGA-256



[XC6SLX4-2CSG225C](#)

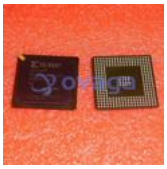
AMD Xilinx, Inc

BGA-225

[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc

BGA-324



[XCV50-6BG256C](#)

AMD Xilinx, Inc

BGA256

[XCF32PVO48C](#)

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TSOP48