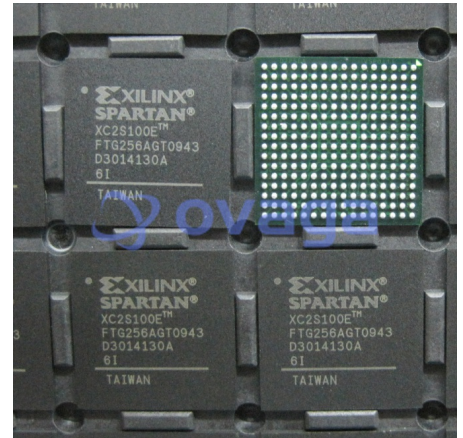


100000 SYSTEM GATE 1.8V FPGA - NOT RECOMMENDED for NEW DESIGN

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



Images are for reference only

Please submit RFQ for XC2S100E-6FTG256I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

XC2S100E-6FTG256I is a part number for a field-programmable gate array (FPGA) manufactured by Xilinx Inc. Here are some details about this specific FPGA:

Features

XC2S100E-6FTG256I is a member of the Xilinx Spartan-II family of FPGAs.

It has 100,000 system gates, which means it can implement 100,000 equivalent logic gates in a digital circuit.

It comes in a 256-pin Fine-Pitch Ball-Grid Array (FBGA) package, which is a type of surface-mount technology package.

The "6" in the part number indicates that it has a nominal voltage of 1.8V and the "FT" indicates that it is a RoHS-compliant component.

The FPGA has 108 user I/O pins that can be configured as inputs or outputs, and it has up to 44 input/output blocks that can be used to implement complex digital logic functions.

Application

Low power consumption

High-performance routing and logic fabric

On-chip Block RAM and Digital Clock Manager (DCM)

Configurable I/O standards and slew rates

Built-in JTAG boundary scan test support



Related Products



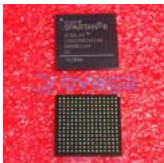
[XC18V01S020C](#)

AMD Xilinx, Inc
SOP-20



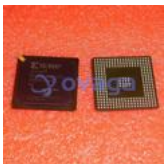
[XCF04SV0G20C](#)

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](#)

AMD Xilinx, Inc
TSOP48