

## Spartan-III 1.8V FPGA Family

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 XC2S100E-6TQ144I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2S100E-6TQ144I is a specific model of Field-Programmable Gate Array (FPGA) manufactured by Xilinx. Here's what each part of the name refers to:

### Features

XC2S100E: This is the family of FPGAs that the chip belongs to.

6TQ144: This refers to the package type and pin count of the chip. In this case, it's a quad flat pack (QFP) package with 144 pins.

I: This indicates that the chip is RoHS compliant (i.e., it does not contain any hazardous materials).

### Application

100,000 system gates (equivalent to about 1 million ASIC gates)

2,160 logic cells

72Kbits of block RAM

116 user I/O pins

Maximum clock frequency of 200MHz

On-chip oscillator for system clock generation

Multiple power-saving modes

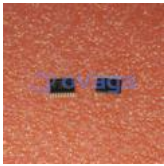


## Related Products



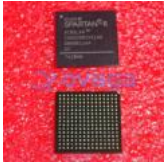
### [XCF18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



### [XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc  
BGA-225



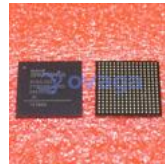
### [XCV50-6BG256C](#)

AMD Xilinx, Inc  
BGA256



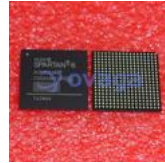
### [XCF08PV0G48C](#)

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