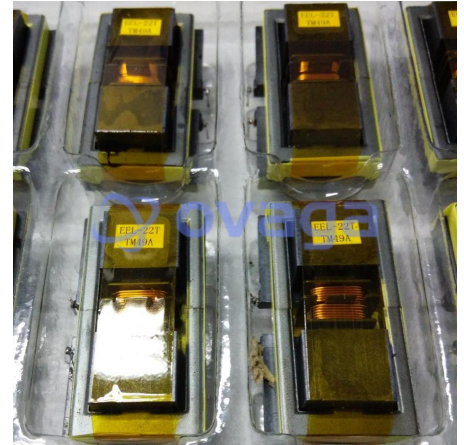


30000 SYSTEM GATE 2.5 VOLT LOGIC CELL AR - NOT RECOMMENDED for NEW DESIGN

|               |                                 |
|---------------|---------------------------------|
| Manufacturers | <a href="#">AMD Xilinx, Inc</a> |
| Package/Case  | BGA-144                         |
| Product Type  | Programmable Logic ICs          |
| RoHS          |                                 |
| Lifecycle     |                                 |



Images are for reference only

Please submit RFQ for XC2S30-6CS144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

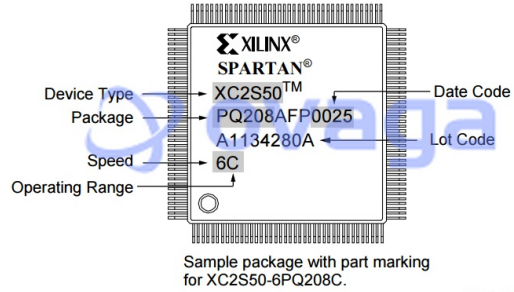
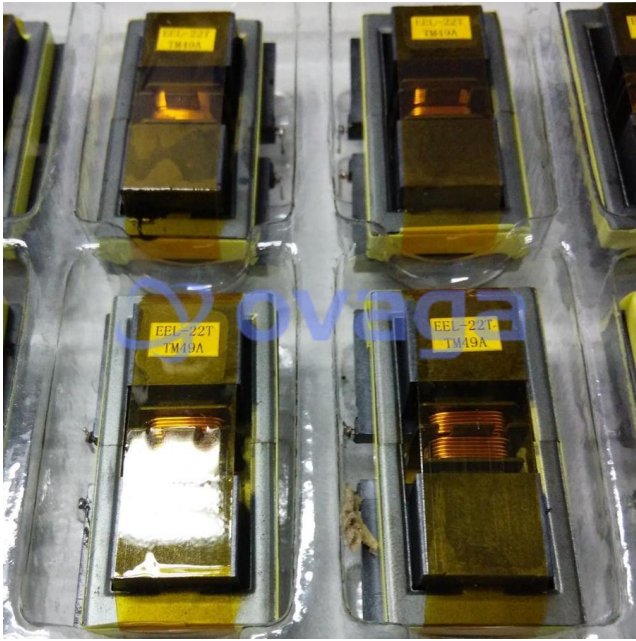
XC2S30-6CS144C is a field-programmable gate array (FPGA) manufactured by Xilinx. Here is some information about this FPGA:

### Features

- It has 30,000 logic cells and 288Kb of block RAM.
- It operates at a maximum frequency of 175 MHz.
- It has 36 Digital Signal Processing (DSP) slices and can perform up to 36 Multiply-Accumulate (MAC) operations in parallel.
- It has 36 dedicated 18x18 multipliers and can perform up to 648 single precision floating-point operations per clock cycle.
- It has a 6ns propagation delay for the combinational path.

### Application

- The XC2S30-6CS144C FPGA can be used in a variety of applications, including communication systems, image and video processing, industrial control, and automotive systems.
- It can also be used for high-performance computing, cryptography, and machine learning applications.



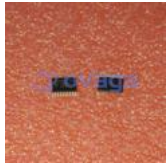
ds001-1\_02\_090303

## Related Products



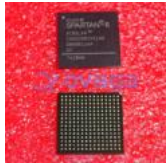
### [XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



### [XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



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

AMD Xilinx, Inc  
BGA-225



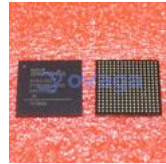
### [XCV50-6BG256C](#)

AMD Xilinx, Inc  
BGA256



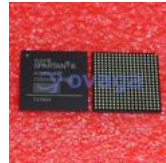
### [XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



### [XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc  
BGA-256



### [XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc  
BGA-324



### [XCF32PVO48C](#)

AMD Xilinx, Inc  
TSOP48