# ovaga

# XC3S500E-4FTG256C

Spartan®-3E Family 500K Gates 10476 Cells 572MHz 90nm (CMOS) Technology 1.2V



Images are for reference only

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

Please submit RFQ for XC3S500E-4FTG256C or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

## General Description

XC3S500E-4FTG256C is a field-programmable gate array (FPGA) manufactured by Xilinx Inc. It belongs to the Spartan-3E family of FPGAs and is designed for high-performance digital signal processing, communication, and embedded applications.

## Features

500K system gates

18,816 logic cells

360 macrocells (each macrocell can implement up to 64 flip-flops or up to 8 18x18-bit multipliers)

500MHz maximum operating frequency

1.2V core voltage

3.3V I/O voltage

256-pin Fine-Pitch Ball-Grid Array (FBGA) package

Built-in SelectIO technology for high-speed serial communication

On-chip Digital Clock Manager (DCM) for precise clock generation and distribution

On-chip PowerPC 405 processor core (optional)

## Application

Video and image processing

Wireless communication

Industrial automation and control

Medical imaging and equipment

High-performance computing

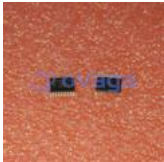Aerospace and defense systems

Test and measurement equipment

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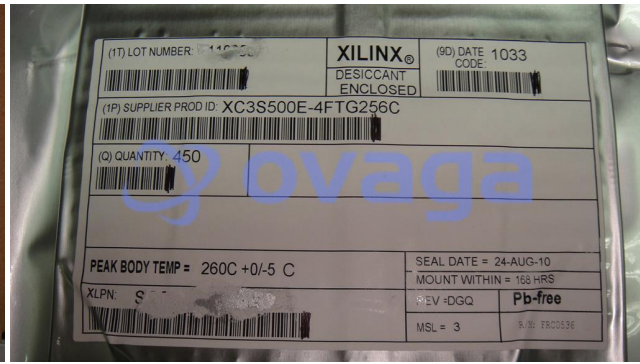
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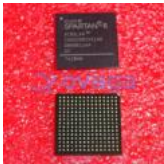


[XC18V01S020C](#)

AMD Xilinx, Inc

SOP-20



[XCF08PV0G48C](#)

AMD Xilinx, Inc

TSOP-48



[XCF04SV0G20C](#)

AMD Xilinx, Inc

TSSOP20
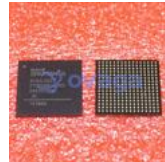


[XC6SLX25-3FTG256C](#)

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](#)

AMD Xilinx, Inc

TSOP48