

Spartan-III 1.8V FPGA Family

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA456
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC2S300E-6FG456C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

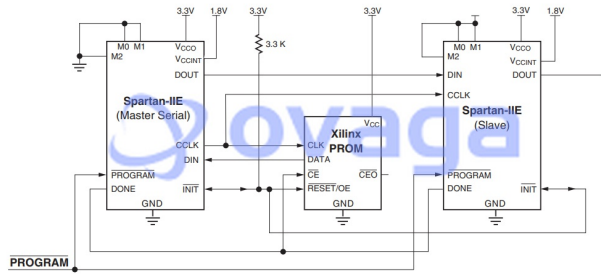
XC2S300E-6FG456C is a model number of a field-programmable gate array (FPGA) manufactured by Xilinx Inc.

Features

- Contains 300,000 system gates
- 3.3V power supply
- 456-pin Fine-Pitch Ball Grid Array (FBGA) package
- Maximum user I/O pins: 244
- Maximum user-defined flip-flops: 18,432
- Maximum user-defined 4-input look-up tables (LUTs): 29,184
- Maximum user memory bits: 4.6 Mb
- Built-in clock management circuitry

Application

- Digital signal processing
- Communications
- Industrial control
- Consumer electronics
- Medical equipment

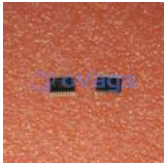


Related Products



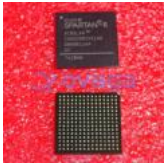
[XC18V01S020C](#)

AMD Xilinx, Inc
SOP-20



[XCF04SV0G20C](#)

AMD Xilinx, Inc
TSSOP20



[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc
BGA-225



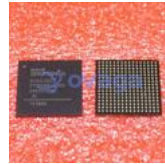
[XCV50-6BG256C](#)

AMD Xilinx, Inc
BGA256



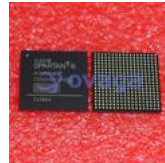
[XCF08PV0G48C](#)

AMD Xilinx, Inc
TSOP-48



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc
BGA-256



[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc
BGA-324



[XCF32PVO48C](#)

AMD Xilinx, Inc
TSOP48