XCV1600E-8FG860I

Data Sheet

Virtex-E 1.8 V Field Programmable Gate Arrays

Manufacturers	AMD Xilinx, Inc
Package/Case	FBGA-860
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for XCV1600E-8FG860I or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

XCV1600E-8FG860I is a model number of a Field Programmable Gate Array (FPGA) chip produced by Xilinx. Here are some of its features:

Features

It has 1,591,616 logic cells, which makes it a large-capacity FPGA suitable for complex designs.

It has 784 input/output pins, which provide flexibility in connecting to other components.

It operates on a 1.2V core voltage and a 2.5V or 3.3V I/O voltage, making it power-efficient.

It has a maximum operating frequency of 860 MHz, which enables high-speed operation.

Application

Aerospace and defense: This FPGA can be used in avionics, radar systems, and other defense-related applications that require high-speed and reliable performance.

Communications: This FPGA can be used in networking equipment, such as routers and switches, to process high volumes of data quickly and efficiently.

Video and image processing: This FPGA can be used in applications that require high-speed processing of video or image data, such as video surveillance systems or medical imaging equipment.

Related Products

[XC18V01S020C](#)

AMD Xilinx, Inc

SOP-20

[XCF08PV0G48C](#)

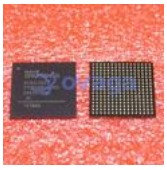
AMD Xilinx, Inc

TSOP-48

[XCF04SV0G20C](#)

AMD Xilinx, Inc

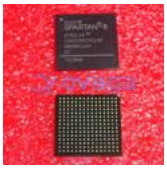
TSSOP20



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc

BGA-256



[XC6SLX4-2CSG225C](#)

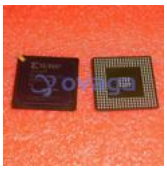
AMD Xilinx, Inc

BGA-225

[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc

BGA-324



[XCV50-6BG256C](#)

AMD Xilinx, Inc

BGA256

[XCF32PVO48C](#)

AMD Xilinx, Inc

TSOP48