

Field Programmable Gate Array (FPGA)

Manufacturers	AMD Xilinx, Inc
Package/Case	QFP-160
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC4006E-4PQ160I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC4006E-4PQ160I is a field-programmable gate array (FPGA) manufactured by Xilinx Inc. It belongs to the XC4000 family of FPGAs and has a PQ160 package with 160 pins.

Features

4000 logic cells (equivalent to about 4000 basic gates)

192 input/output (I/O) pins

6 dedicated input/output (I/O) blocks

16 configurable I/O blocks

2880 logic cells can be used for configurable logic blocks (CLBs)

1200 logic cells can be used for configurable function blocks (CFBs)

Maximum clock frequency of 111 MHz

3.3V power supply

Application

XC4006E-4PQ160I can be used in a wide range of digital circuits, including communication systems, signal processing, digital image processing, control systems, and data processing.

It is often used in prototyping and small-scale production of digital systems.

It can also be used in aerospace and defense applications, as it has the ability to withstand harsh environments.



Related Products



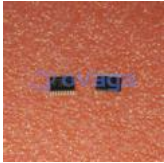
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AMD Xilinx, Inc
SOP-20



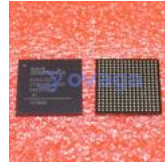
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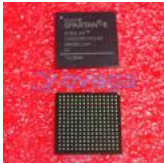
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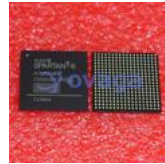
[XCF6SLX25-3FTG256C](#)

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BGA-256



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