XC3S400-4PQ208I

Data Sheet

FPGA SPARTAN-3 400K GATES 8064 CELLS 630MHZ 1.2V

Manufacturers	AMD Xilinx, Inc
Package/Case	QFP-208
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for XC3S400-4PQ208I or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

XC3S400-4PQ208I is an FPGA (Field Programmable Gate Array) device from the Spartan-3 family of Xilinx.

Features

It has 400,000 system gates and 532 user I/Os.

The device supports a wide range of interfaces, including Ethernet, USB, UART, SPI, and I2C.

It operates at a maximum frequency of 400 MHz and has a fast on-chip memory of up to 18 Kb.

It supports partial reconfiguration, which means that specific portions of the FPGA can be programmed while the rest of the design continues to function.

It has a 4-layer metal process technology, which enables higher performance and lower power consumption.

Application

Communication systems such as routers, switches, and wireless base stations.

Video processing systems such as high-definition televisions and digital video recorders.

Industrial control systems such as programmable logic controllers (PLCs) and robotic control systems.

Medical equipment such as ultrasound machines and patient monitoring systems.

Aerospace and defense systems such as avionics and radar systems.

Related Products

[XC18V01S020C](#)

AMD Xilinx, Inc

SOP-20

[XCF08PV0G48C](#)

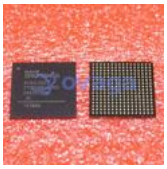
AMD Xilinx, Inc

TSOP-48

[XCF04SV0G20C](#)

AMD Xilinx, Inc

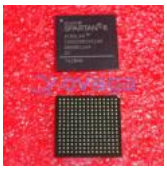
TSSOP20



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc

BGA-256



[XC6SLX4-2CSG225C](#)

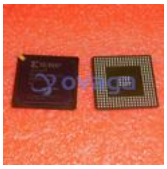
AMD Xilinx, Inc

BGA-225

[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc

BGA-324



[XCV50-6BG256C](#)

AMD Xilinx, Inc

BGA256

[XCF32PVO48C](#)

AMD Xilinx, Inc

TSOP48