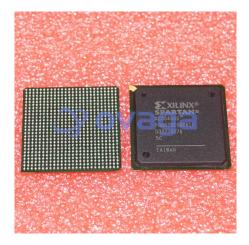


XC3S4000-5FGG676C

Data Sheet

FPGA SPARTAN-3 4M GATES 725MHz 676FBGA

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA676
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only



General Description

XC3S4000-5FGG676C is a high-performance Field-Programmable Gate Array (FPGA) manufactured by Xilinx Inc. Here are some of its features:

Features

It has a total of 4,032,000 system gates.

It is based on a 90nm CMOS process technology.

It has a maximum operating frequency of 500MHz.

It has 648 user I/O pins, which support a variety of different signal standards, including LVDS and SSTL.

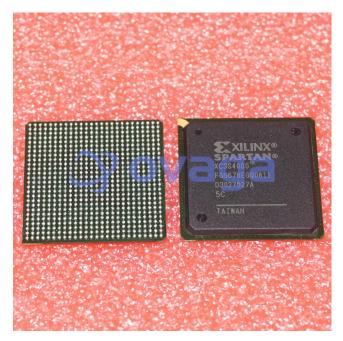
It has 216 36-kbit block RAMs, which can be used as single-port or dual-port memory.

Application

High-performance computing systems, such as video processing, audio processing, and networking applications.

Embedded systems, such as industrial control systems, automotive systems, and medical equipment.

Aerospace and defense systems, such as radar systems, avionics, and communication systems.



Related Products



XC18V01S020C AMD Xilinx, Inc SOP-20



AMD Xilinx, Inc TSSOP20

XCF04SV0G20C



XC6SLX4-2CSG225C AMD Xilinx, Inc BGA-225



XCV50-6BG256C

AMD Xilinx, Inc BGA256



AMD Xilinx, Inc TSOP-48

XCF08PV0G48C

XC6SLX25-3FTG256C

AMD Xilinx, Inc BGA-256

XC6SLX16-3CSG324C

AMD Xilinx, Inc BGA-324

XCF32PVO48C



AMD Xilinx, Inc TSOP48



