

Field Programmable Gate Array (FPGA)

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	PLCC84
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC2018-100PC84C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2018-100PC84C is a part number for a field-programmable gate array (FPGA) manufactured by Xilinx. It belongs to the Xilinx Spartan-6 family of FPGAs.

## Features

The XC2018-100PC84C FPGA has 2018 slices, which are basic building blocks of an FPGA that contain multiple logic elements and programmable interconnects.

It has 100 user I/O pins, which can be configured to implement a wide range of digital logic functions.

It has a maximum operating frequency of 250 MHz, which means that it can process up to 250 million instructions per second.

It has an on-chip memory of up to 18 Kb and can be configured to interface with external memory devices.

It has a maximum power consumption of 500 mW, which makes it suitable for low-power applications.

## Application

Communication systems

Digital signal processing

Video processing and encoding

Industrial automation

Medical imaging

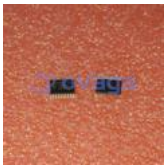


**Related Products**



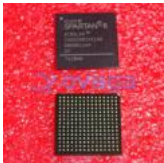
[XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



[XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc  
BGA-225



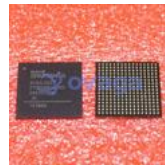
[XCV50-6BG256C](#)

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