

53136 Logic Cells 16 Rocket I/Os 2 Power

Manufacturers

[AMD Xilinx, Inc](#)

Package/Case

BGA-11

Product Type

Programmable Logic ICs

RoHS

Lifecycle



Images are for reference only

Please submit RFQ for XC2VP50-5FF1152I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC2VP50-5FF1152I is a part number of a field-programmable gate array (FPGA) manufactured by Xilinx Inc. The part belongs to the Virtex-II Pro family of FPGAs.

## Features

50,000 logic cells

2,816 kilobits of block RAM

128 digital signal processing (DSP) slices

740 user I/O pins

Up to 800 MHz clock frequency

Built-in Ethernet MAC (Media Access Control) block

PowerPC 405 processor core

## Application

Video processing and encoding

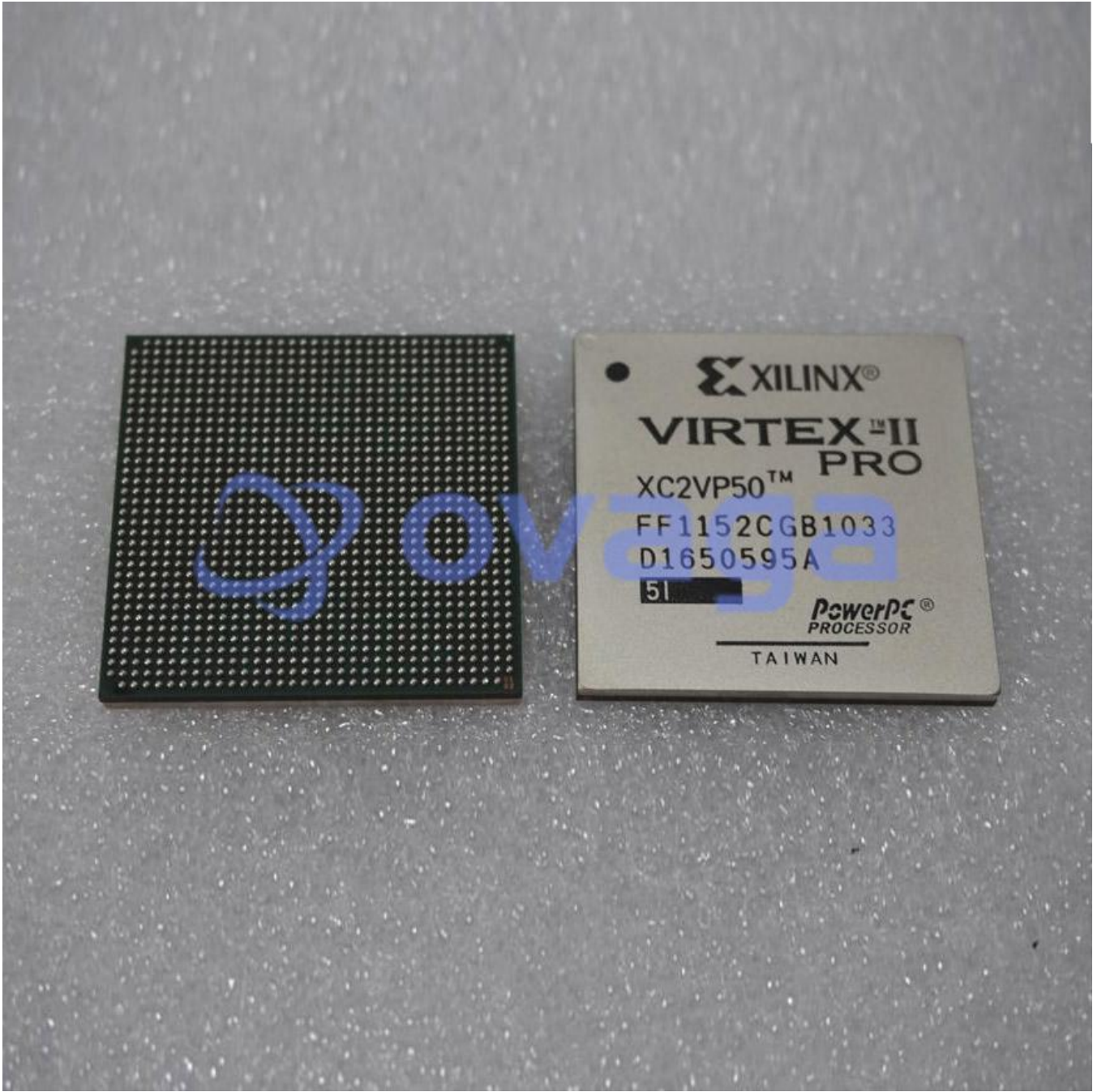
Image processing

Industrial automation

Network processing

Embedded systems

High-performance computing



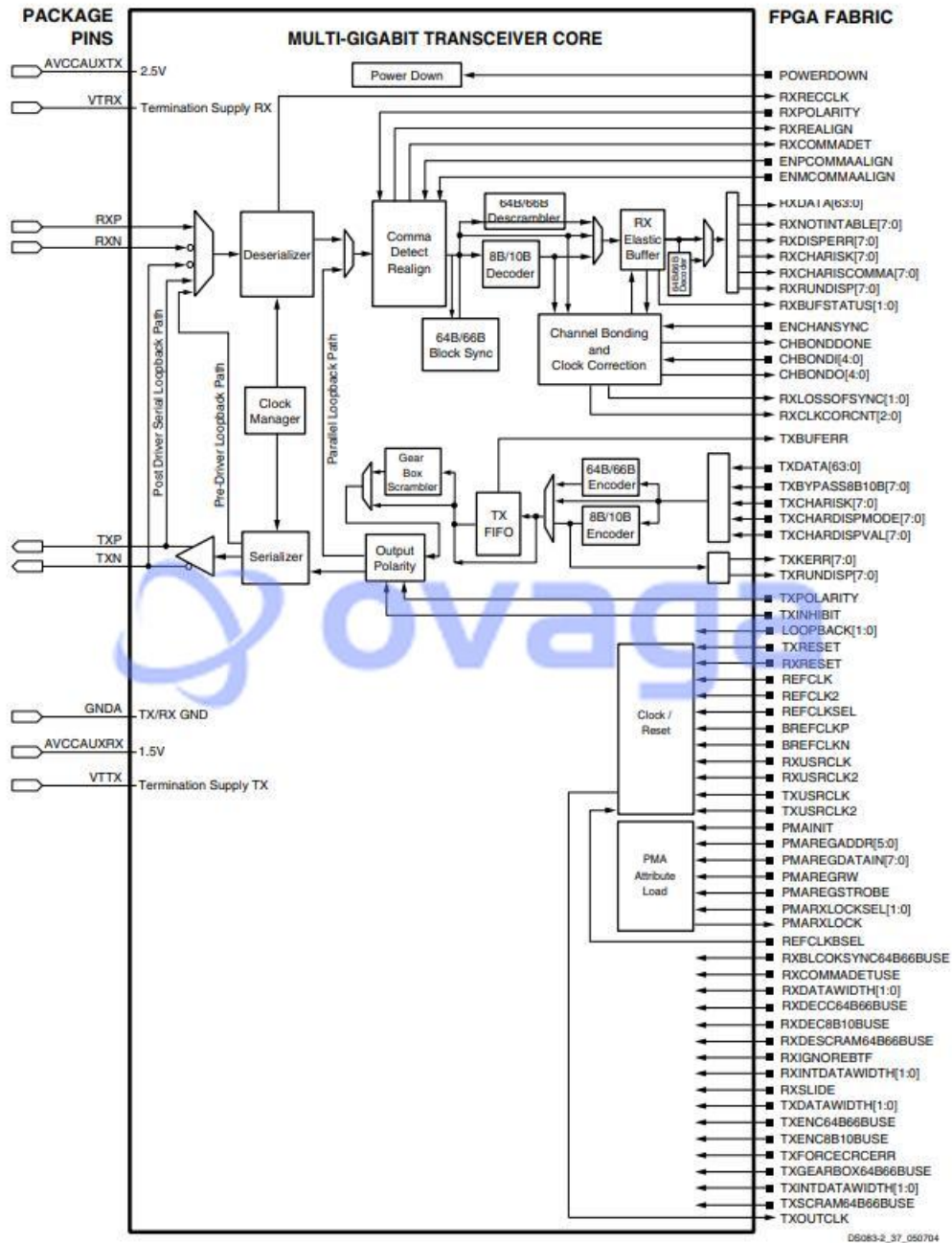


Figure 4: RocketIO X Transceiver Block Diagram

## Related Products



[XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



[XCF04SV0G20C](#)

AMD Xilinx, Inc  
TSSOP20



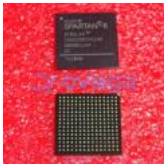
[XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc  
BGA-256



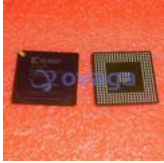
[XC6SLX4-2CSG225C](#)

AMD Xilinx, Inc  
BGA-225



[XC6SLX16-3CSG324C](#)

AMD Xilinx, Inc  
BGA-324



[XCV50-6BG256C](#)

AMD Xilinx, Inc  
BGA256



[XCF32PVO48C](#)

AMD Xilinx, Inc  
TSOP48