

CPLD XC9500 Family 800Gates 36 Macro Cells 55.6MHz 0.5um Technology 5V 44Pin PLCC

Manufacturers	<a href="#">AMD Xilinx, Inc</a>
Package/Case	PLCC-44
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC9536-15PCG44C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

XC9536-15PCG44C is a type of Field-Programmable Gate Array (FPGA) integrated circuit (IC) manufactured by Xilinx, which is a leading semiconductor company specializing in programmable logic devices. The "XC9536" refers to the specific FPGA model, while "15" indicates the speed grade (in this case, 15 nanoseconds), "PCG44" denotes the package type (Plastic Chip Grid Array with 44 pins), and "C" signifies the temperature grade (Commercial, 0°C to 70°C).

## Features

**36 macrocells:** It has 36 configurable logic blocks that can be programmed to perform various logic functions.

**600 usable gates:** It provides 600 equivalent gates that can be used to implement combinational and sequential logic circuits.

**36 inputs/outputs:** It has 36 bidirectional I/O pins that can be used to interface with other devices or circuits.

**Fast propagation delay:** It has a propagation delay of 15 nanoseconds, making it suitable for high-speed applications.

**In-system programmability:** It can be reprogrammed in-circuit, allowing for flexibility and ease of design.

## Application

**Embedded systems:** It can be used in embedded systems as a programmable logic device to implement custom logic functions.

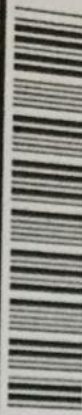
**Industrial automation:** It can be used in industrial automation systems for control and interfacing purposes.

**Communication systems:** It can be used in communication systems for protocol conversion, data encoding/decoding, and signal processing.

**Test and measurement equipment:** It can be used in test and measurement equipment for signal generation, data acquisition, and control functions.

# XILINX

(1T) LOT NUMBER: 1469382



**XILINX**

DESICCANT  
ENCLOSED

(9D) DATE CODE: 1029



(1P) SUPPLIER PROD ID: XCG9536-15PCG44C



(Q) QUANTITY

500

EA

PEAK BODY TEMP

260 deg C

REVISION

AEM

MOISTURE  
LEVEL

3

(K) TRANS ID:

SEAL DATE

27-Jul-10

MOUNT  
WITHIN

168 HOURS

(P) CUSTOMER PROD ID:

**Pb-free**



**Related Products**



[XC18V01S020C](#)

AMD Xilinx, Inc  
SOP-20



[XCF08PV0G48C](#)

AMD Xilinx, Inc  
TSOP-48



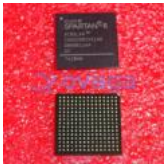
[XCF04SY0G20C](#)

AMD Xilinx, Inc  
TSSOP20



[XC6SLX25-3FTG256C](#)

AMD Xilinx, Inc  
BGA-256



[XC6SLX4-2CSG225C](#)

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BGA-225



[XC6SLX16-3CSG324C](#)

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BGA-324



[XCV50-6BG256C](#)

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BGA256



[XCF32PVO48C](#)

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TSOP48