

XC4000E and XC4000X Series Field Programmable Gate Arrays

Manufacturers	AMD Xilinx, Inc
Package/Case	QFP-144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC4005XL-09TQ144C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC4005XL-09TQ144C is a Field Programmable Gate Array (FPGA) manufactured by Xilinx. It belongs to the XC4000XL series of FPGAs and has 4000 usable gates, which can be configured to perform any digital logic function.

Features

- 4000 usable gates
- 144-pin Thin Quad Flat Pack (TQFP) package
- 5V tolerant I/Os
- 3.3V power supply
- 36 I/O pins
- 2 dedicated inputs for clock management
- 128 macrocells with individual set/reset
- Fast maximum operating frequency of 87 MHz

Application

- Digital signal processing
- Embedded systems
- Communication systems
- Industrial control systems
- Aerospace and defense



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