

Field Programmable Gate Arrays

Manufacturers	AMD Xilinx, Inc
Package/Case	BGA-680
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XCV1000-5FG680I or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XCV1000-5FG680I is a field-programmable gate array (FPGA) developed by Xilinx, a leading manufacturer of programmable logic devices.

Features

- 1000K system gates (equivalent to 1 million gates)
- 680-pin FineLine BGA package
- 5 ns pin-to-pin logic delay
- 1.8V to 3.3V operating voltage range
- 12mA typical quiescent dynamic current at 3.3V
- 0.18-micron CMOS process technology
- Built-in Block RAM, Digital Clock Managers, and Phase Locked Loops

Application

- Industrial control and automation
- Digital signal processing (DSP)
- Communications
- Image processing
- Aerospace and defense
- Scientific and medical instrumentation
- Test and measurement



Related Products



[XCV18V01S020C](#)

AMD Xilinx, Inc
SOP-20



[XCF04SV0G20C](#)

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[XC6SLX4-2CSG225C](#)

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BGA-256



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BGA-324



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