

PSoC / MPSoC Microprocessor, Zynq-7000 Programmable SoC Family, ARM Cortex-A9, 667 MHz, FCBGA-676

Manufacturers	AMD Xilinx, Inc
Package/Case	676-BBGA, FCBGA
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC7Z030-1FFG676C or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.



General Description

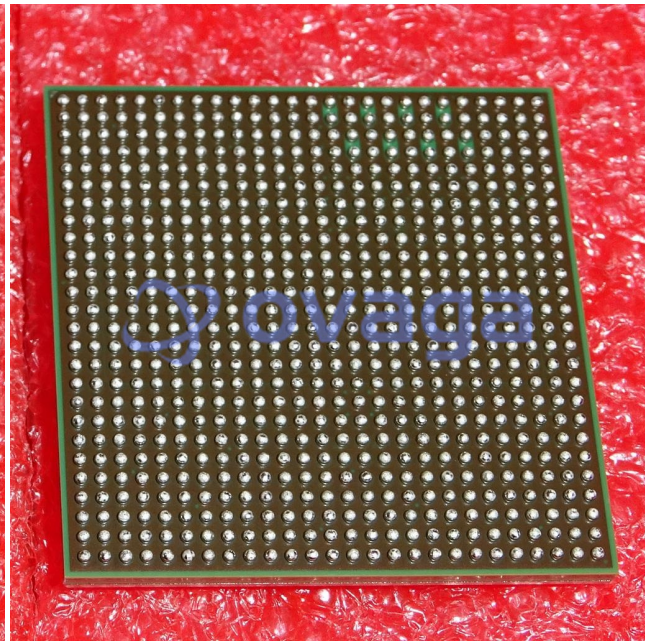
XC7Z030-1FFG676C is a part number of the Xilinx Zynq-7000 family of system-on-chip (SoC) devices. It is a member of the Zynq-7000 XC7Z030 series, which integrates a dual-core ARM Cortex-A9 processor with programmable logic, providing a flexible and high-performance platform for a wide range of embedded applications.

Features

- Dual-core ARM Cortex-A9 processor with NEON and double-precision floating-point unit (FPU)
- Programmable logic fabric based on Xilinx 28nm high-performance, low-power (HPL) process technology
- Up to 125,440 logic cells and 6.6 Mb of BRAM
- High-bandwidth interfaces including Gigabit Ethernet, PCIe, USB 2.0, and DDR3 memory controllers
- Flexible I/O interfaces including GPIO, SPI, I2C, UART, and CAN

Application

- Industrial control and automation
- Automotive driver assistance systems
- Aerospace and defense electronics
- High-speed communication systems
- Medical equipment
- Test and measurement instruments

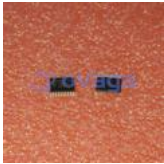


Related Products



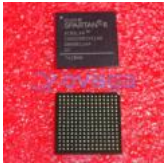
[XCF18V01S020C](#)

AMD Xilinx, Inc
SOP-20



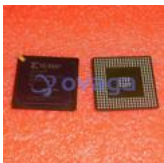
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TSSOP20



[XC6SLX4-2CSG225C](#)

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BGA-225



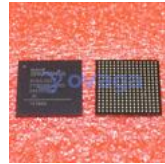
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BGA256



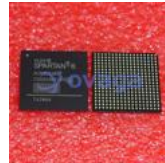
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AMD Xilinx, Inc
TSOP-48



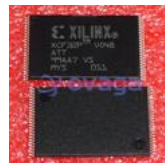
[XC6SLX25-3FTG256C](#)

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BGA-256



[XC6SLX16-3CSG324C](#)

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BGA-324



[XCF32PVO48C](#)

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TSOP48