

FPGA - Field Programmable Gate Array FPGA - Flex 6000 132 LABs 117 IOs

Manufacturers	Altera Corporation (Intel)
Package/Case	TQFP-144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for EPF6016TC144-3 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EPF6016TC144-3 is a specific variant of the EPF6016 family of field-programmable gate arrays (FPGAs) manufactured by Altera (now Intel). It comes in a 144-pin Thin Quad Flat Pack (TQFP) package and is designed to be used in various digital logic applications.

Features

It has 6000 logic elements (LEs), which are basic building blocks of an FPGA that can be configured to implement various logic functions.

It has 64 kilobits (KB) of on-chip random access memory (RAM) for storing data during operation.

It supports various I/O standards such as LVTTTL, LVCMOS, and PCI.

It has four global clock networks and up to 16 local clock networks, allowing for versatile clocking options.

It supports JTAG boundary scan for testing and programming purposes.

Application

Industrial control systems: EPF6016TC144-3 can be used in industrial automation, robotics, and process control applications where customizable digital logic is required.

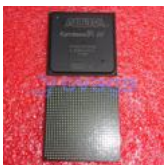
Communications and networking: It can be used in networking equipment such as routers, switches, and gateways for implementing custom protocols and processing data packets.

Video and image processing: It can be used in applications that require real-time video and image processing, such as video surveillance systems, medical imaging, and multimedia devices.

Embedded systems: EPF6016TC144-3 can be used in embedded systems where reprogrammable logic is needed for implementing custom functionality.

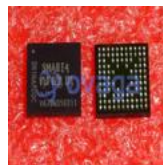


Related Products



[EP4CE55F29C8N](#)

Altera Corporation (Intel)
FBGA-780



[EPM240M100C5N](#)

Altera Corporation (Intel)
BGA-100



[EPM1270T144A5N](#)

Altera Corporation (Intel)
TQFP-144



[EPM570F256C5N](#)

Altera Corporation (Intel)
FBGA-256



[EP2C35F672C8N](#)

Altera Corporation (Intel)
FBGA-672



[EPM7128AETC100-10](#)

Altera Corporation (Intel)
TQFP-100



[EP2C35F484C7N](#)

Altera Corporation (Intel)

FBGA-484



[EP2C35F484I8N](#)

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FBGA-484