EP3C10E144I7N

Data Sheet

FPGA Cyclone® III Family 10320 Cells 437.5MHz 65nm Technology 1.2V

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

Images are for reference only

Please submit RFQ for EP3C10E144I7N or Email to us: sales@ovaga.com We will contact you in 12 hours. RFQ

General Description

EP3C10E144I7N is a field-programmable gate array (FPGA) chip manufactured by Intel Corporation. Here are some details about its features, applications, and equivalent part number list:

Features

It has a maximum of 10,080 logic elements (LEs) which are basic building blocks of FPGA.

It has 588 kilobits (Kb) of embedded memory, which can be used for data storage.

It supports various I/O standards such as LVCMOS, LVTTL, and SSTL, making it compatible with a wide range of interfaces.

It has dedicated digital signal processing (DSP) blocks, which can be used for implementing complex mathematical operations efficiently.

It has built-in configuration memory, which can be used to store the FPGA design during power-up.

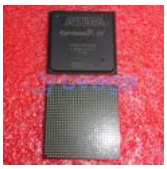
Application

EP3C10E144I7N FPGA can be used in a wide range of applications including digital signal processing, telecommunications, industrial automation, embedded systems, video processing, and motor control.

It can be used for prototyping and development of custom digital circuits, as it allows for flexible reconfiguration of its logic and routing resources.

EP3C10E144I7N FPGA can also be used in production systems where programmable logic is needed for 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](#)

Altera Corporation (Intel)

FBGA-484