EPF10K30RC240-4

FPGA FLEX 10K Family 30K Gates 1728 Cells 125MHz 0.42um Technology 5V 240-Pin RQFP

Images are for reference only

Inquiry

Manufacturer:	Intel Corp
Package/Case:	QFP
Product Type:	Programmable Logic ICs
Lifecycle:	Obsolete

General Description

EPF10K30RC240-4 is a part number that likely refers to a specific variant of a programmable logic device (PLD) from the EPF10K family, which is a series of PLDs developed by Altera (now Intel) Corporation.

Key Features

10,000 logic elements (LEs): These are basic building blocks of programmable logic that can be configured to perform various digital logic functions.

240 macrocells: These are programmable building blocks that can be configured to perform sequential and combinational logic functions.

4.5 ns pin-to-pin combinational delay: This refers to the maximum delay for a signal to propagate through the device from one input pin to another output pin when used in combinational logic mode.

5V (volt) operation: This PLD is designed to operate with a 5V power supply.

Application

Embedded control systems: EPF10K30RC240-4 can be used in various embedded control systems, such as industrial control systems, automotive electronics, and consumer electronics.

Communication systems: It can be used in communication systems for functions such as protocol conversion, data encoding/decoding, and signal processing.

High-speed digital signal processing: Due to its high-speed performance, EPF10K30RC240-4 can be used in digital signal processing (DSP) applications that require real-time processing of large amounts of data.

Recommended For You

EPM3256AQC208-10N
Intel Corp
QFP208

EPCQ32ASI8N
Intel Corp
SOP8

EPCQ32SI8N
Intel Corp
SOP8

EPCQ64ASI16N
Intel Corp
SOP16

EPCQ16SI8N
Intel Corp
SOP8

EPC2TI32
Intel Corp
QFP

EPM7128STC100-15N
Intel Corp
QFP100

EP1C6Q240I7N
Intel Corp
QFP240

EPCQ128SI16N
Intel Corp
SOP16

EPM7128SLC84-15N
Intel Corp
PLCC

EPC1213PC8
Intel Corp
DIP8

EP1K30TC144-3N
Intel Corp
QFP

EPCS1SI8
Intel Corp
SOP-8

EPC1PI8N
Intel Corp
DIP8

EPC2LI20N
Intel Corp
PLCC