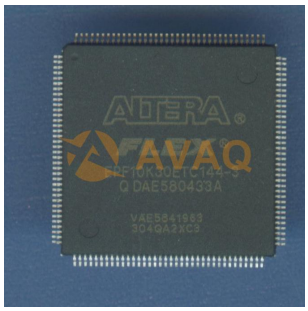
EPF10K30ETC144-3

FPGA FLEX 10KE Family 30K Gates 1728 Cells 200MHz 0.22um Technology 2.5V 144-Pin TQFP

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



Images are for reference only

Inquiry

General Description

The EPF10K30ETC144-3 is a member of the Altera FLEX 10K family of FPGAs. The "10K" in the family name indicates the approximate number of logic elements available in the FPGA, and the "30" in the part number indicates the specific version with a certain configuration and resource count.

Key Features

FLEX 10K Technology: The FLEX 10K series from Altera is known for its high logic capacity, fast performance, and flexibility, making it suitable for a wide range of applications.

Logic Capacity: The "30" in the part number indicates the approximate number of logic elements (logic cells) available in the FPGA. The exact logic capacity, as well as other resources like embedded memory blocks, I/O pins, and dedicated functional blocks, can be found in the device datasheet.

I/O Flexibility: The FPGA provides a variety of I/O standards and voltage levels to interface with different types of external devices.

In-System Programming (ISP): The EPF10K30ETC144-3 supports in-system programming, allowing the FPGA to be configured and reprogrammed while it is already installed in the target system.

Package: The "TC144" in the part number refers to the specific package type. In this case, it is a 144-pin Thin Quad Flat Pack (TQFP) package.

Application

Digital Signal Processing

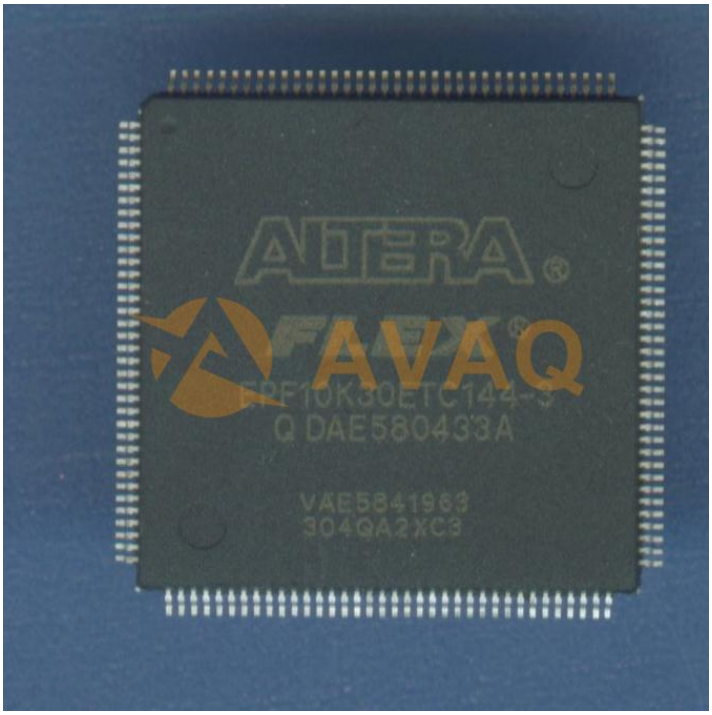
Communication Systems

Industrial Control

Consumer Electronics

Embedded Systems

Test and Measurement



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