


**FPGA FLEX 8000 Family 6K Gates 504 Cells 125MHz 0.42um
Technology 5V 84-Pin PLCC**

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| Manufacturer: | Intel Corp |
| Package/Case: | PLCC |
| Product Type: | Programmable Logic ICs |
| RoHS: | RoHS Compliant/Lead free  |
| Lifecycle: | Obsolete |



Images are for reference only

Inquiry

General Description

EPF8636ALC84-4N appears to be a product code or part number for an electronic component, likely an FPGA (Field-Programmable Gate Array). Here is some information based on typical features and applications of FPGA components:

Key Features

High density: Typically, FPGAs have a large number of programmable logic cells, allowing for complex digital logic circuits to be implemented.

Configurable: FPGAs can be programmed and reprogrammed to implement different digital circuits, making them versatile and adaptable.

Low power consumption: FPGAs generally have low power consumption compared to other programmable logic devices.

High-speed performance: FPGAs can operate at high clock speeds, making them suitable for a wide range of applications.

I/O flexibility: FPGAs typically have a large number of configurable I/O pins, allowing for interfacing with various external devices.

Application

Embedded systems: FPGAs are commonly used in embedded systems for tasks such as control, data processing, and communication.

Digital signal processing (DSP): FPGAs can be used for implementing DSP algorithms, such as filtering, modulation, and demodulation.

Networking and communication: FPGAs are used in networking and communication applications, such as routers, switches, and base stations.

Aerospace and defense: FPGAs are used in aerospace and defense applications for tasks such as radar processing, image processing, and encryption.

Industrial automation: FPGAs are used in industrial automation for tasks such as motor control, sensor interfacing, and process control.



Recommended For You

EPMB256AQC208-10N

Intel Corp

QFP208

EPCQ32ASI8N

Intel Corp

SOP8

EPCQ32SI8N

Intel Corp

SOP8

EPCQ64ASI16N

Intel Corp

SOP16

EPCQ16SI8N

Intel Corp

SOP8

EPC2H32

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