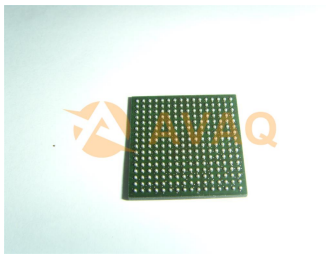
EP1C6F256I7

FPGA Cyclone® Family 5980 Cells 320.1MHz 130nm Technology 1.5V 256-Pin FBGA

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



Images are for reference only

Inquiry

General Description

EP1C6F256I7 appears to be a part number for an FPGA (Field-Programmable Gate Array) from the Cyclone series, specifically from Altera (now Intel). The features and applications of EP1C6F256I7 are as follows:

Key Features

FPGA (Field-Programmable Gate Array) with 1,584 Logic Elements (LEs)

256 kilobits (Kb) of embedded memory

72 embedded multipliers (9x9)

2 Phase-Locked Loops (PLLs) for clock generation and management

Various I/O (Input/Output) options including GPIO (General-Purpose I/O), LVDS (Low-Voltage Differential Signaling), and more.

Supports configuration through JTAG (Joint Test Action Group) interface or from an external configuration device

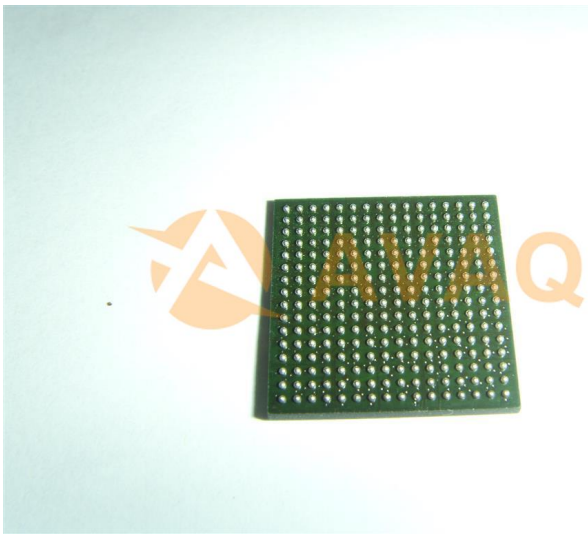
Low power consumption and high-performance capabilities

Application

EP1C6F256I7 is used in a wide range of applications including industrial automation, telecommunications, automotive, aerospace, and consumer electronics.

It can be used for digital signal processing (DSP), image and video processing, motor control, data communication, and other digital logic applications.

EP1C6F256I7 is commonly used in system-level designs that require programmable logic for flexible and customizable functionality.



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