


CPLD MAX® 7000 Family 2.5K Gates 128 Macro Cells 76.9MHz
5V 84-Pin PLCC Tray



Images are for reference only

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

General Description

EPM7128SLC84-15N is a type of programmable logic device (PLD) manufactured by Intel (formerly Altera), which belongs to the MAX 7000S family of CPLDs (Complex Programmable Logic Devices). CPLDs are digital logic devices that can be programmed to perform specific functions, making them versatile and widely used in various digital electronic applications.

Key Features

It has 128 macrocells, which are programmable logic blocks that can be used to implement digital logic functions.

It comes in an SLC84 package, which refers to a small outline package with 84 pins.

It operates with a 15 ns maximum propagation delay, which indicates the speed at which the device can process inputs and generate outputs.

It has a wide operating voltage range of 3.0 to 3.6 volts, which makes it compatible with a variety of digital systems.

It supports in-system programmability (ISP), allowing it to be reprogrammed in-circuit without needing to be removed from the system.

Application

EPM7128SLC84-15N is commonly used in digital system designs where programmable logic is needed for functions such as logic synthesis, digital signal processing, state machine control, and interface protocol conversion.

It can be used in industrial automation, telecommunications, networking, automotive, and other electronic applications that require digital logic functionality.

It can also be used in prototyping and development of digital circuits, where the ability to reprogram the device in-system provides flexibility for testing and design iterations.



Recommended For You

EPMB256AQC208-10N

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

EPIC6Q240I7N

Intel Corp

QFP240

EPCQ128SI16N

Intel Corp

SOP16

EPC1213PC8

Intel Corp

DIP8

EPIK30TC144-3N

Intel Corp

QFP

EPCS1S18

Intel Corp

SOP-8

EPC1PI8N

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DIP8

EPC2LI20N

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