EP1K50TC144-1N

FPGA ACEX 1K Family 50K Gates 2880 Cells 250MHz 0.22um Technology 2.5V 144-Pin TQFP

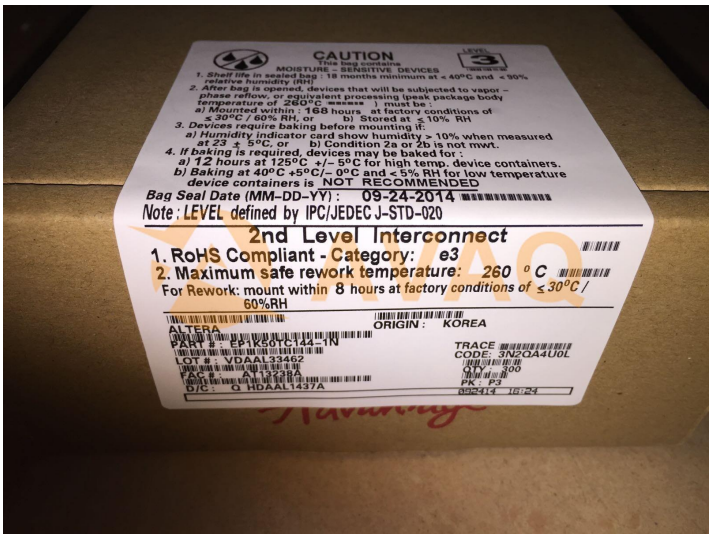
Manufacturer:	Intel Corp
Package/Case:	TQFP144
Product Type:	Programmable Logic ICs
RoHS:	RoHS Compliant/Lead free
Lifecycle:	Obsolete

Images are for reference only

Inquiry

General Description

Altera® ACEX 1K devices provide a die-efficient, low-cost architecture by combining look-up table (LUT) architecture with EABs. LUT-based logic provides optimized performance and efficiency for data-path, register intensive, mathematical, or digital signal processing (DSP) designs, while EABs implement RAM, ROM, dual-port RAM, or first-in first-out (FIFO) functions. These elements make ACEX 1K suitable for complex logic functions and memory functions such as digital signal processing, wide data-path manipulation, data transformation and microcontrollers, as required in high-performance communications applications. Based on reconfigurable CMOS SRAM elements, the ACEX 1K architecture incorporates all features necessary to implement common gate array megafunctions, along with a high pin count to enable an effective interface with system components. The advanced process and the low voltage requirement of the 2.5-V core allow ACEX 1K devices to meet the requirements of low-cost, high-volume applications ranging from DSL modems to low-cost switches.



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