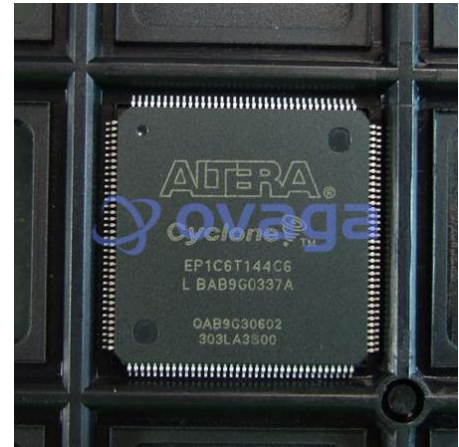


Cyclone® Family 5980 Cells 405.2MHz 130nm Technology 1.5V

Manufacturers	<u>Altera Corporation (Intel)</u>
Package/Case	TQFP-144
Product Type	Programmable Logic ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for EP1C6T144C6 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EP1C6T144C6 is an FPGA (Field-Programmable Gate Array) device manufactured by Intel under their Cyclone series.

Features

It has a maximum number of 5,136 Logic Elements (LEs) that can be used for implementing logic functions.

It has 292 embedded 18 x 18 multipliers which can be used for signal processing applications.

It supports up to 266 user I/Os (input/output) that can be configured for different applications.

It operates at a maximum frequency of 250 MHz.

It has a 1.8V core voltage.

Application

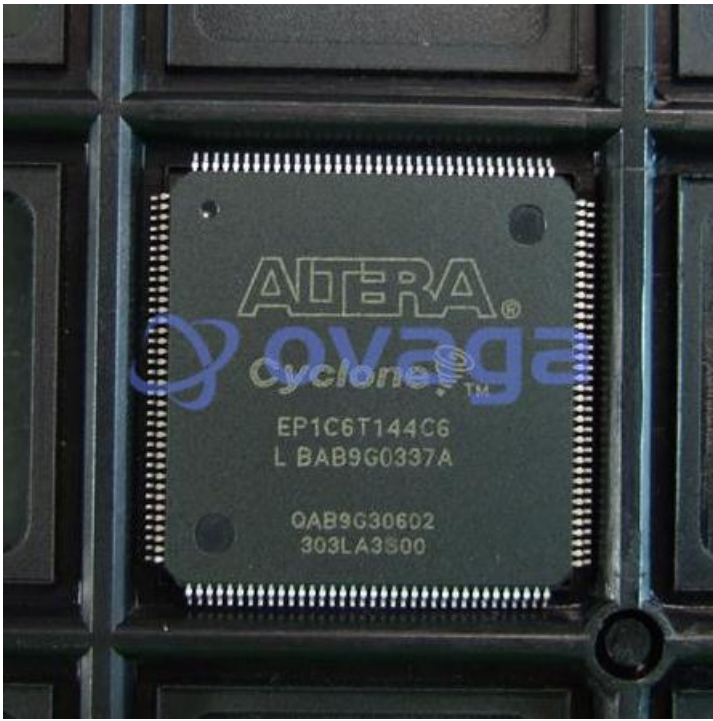
Digital signal processing (DSP) applications such as audio and video processing.

Communications systems such as Ethernet, SONET, and wireless protocols.

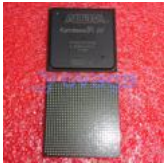
Industrial automation and control systems.

Medical imaging systems.

Aerospace and defense systems.



Related Products



[EP4CE55F29C8N](#)

Altera Corporation (Intel)
FBGA-780



[EPM1270T144A5N](#)

Altera Corporation (Intel)
TQFP-144



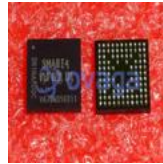
[EP2C35F672C8N](#)

Altera Corporation (Intel)
FBGA-672



[EP2C35F484C7N](#)

Altera Corporation (Intel)
FBGA-484



[EPM240M100C5N](#)

Altera Corporation (Intel)
BGA-100



[EPM570F256C5N](#)

Altera Corporation (Intel)
FBGA-256



[EPM7128AETC100-10](#)

Altera Corporation (Intel)
TQFP-100



[EP2C35F484I8N](#)

Altera Corporation (Intel)
FBGA-484