

FPGA Cyclone® Family 5980 Cells 320.1MHz 130nm Technology 1.5V

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



Images are for reference only

Please submit RFQ for EP1C6T144C7N or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

EP1C6T144C7N is a product code for a field-programmable gate array (FPGA) manufactured by Intel Corporation (previously known as Altera Corporation).

Features

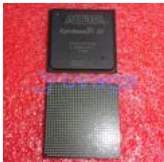
- Contains 6,272 logic elements (LEs) and 146 user I/O pins
- Offers 180 user-programmable, embedded memory blocks
- Provides a maximum clock frequency of 200 MHz
- Uses 1.5V to 1.8V core voltage and 3.0V to 3.3V I/O voltage
- Has a programmable output slew rate control to minimize noise and power consumption
- Has a programmable impedance control to reduce reflections

Application

- Communication systems
- Embedded systems
- Digital signal processing (DSP)
- Industrial control
- Automotive electronics
- Medical devices
- Aerospace and defense systems

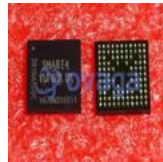


Related Products



[EP4CE55F29C8N](#)

Altera Corporation (Intel)
FBGA-780



[EPM240M100C5N](#)

Altera Corporation (Intel)
BGA-100



[EPM1270T144A5N](#)

Altera Corporation (Intel)
TQFP-144



[EPM570F256C5N](#)

Altera Corporation (Intel)
FBGA-256



[EP2C35F672C8N](#)

Altera Corporation (Intel)
FBGA-672



[EPM7128AETC100-10](#)

Altera Corporation (Intel)
TQFP-100



[EP2C35F484C7N](#)

Altera Corporation (Intel)

FBGA-484



[EP2C35F484I8N](#)

Altera Corporation (Intel)

FBGA-484