XCCACE-TQ144I

Data Sheet

System ACE CompactFlash Solution

Manufacturers	AMD Xilinx, Inc
Package/Case	QFP144
Product Type	Memory
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for XCCACE-TQ144I or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

The XCCACE-TQ144I is likely a member of the Xilinx CoolRunner XA CPLD family, which refers to programmable logic devices used for implementing digital logic functions in various electronic systems.

Features

Logic Capacity: The CoolRunner XA CPLDs typically offer a range of logic capacities, allowing for implementation of small to medium-sized digital designs.

Low Power Consumption: These CPLDs are designed for low power consumption, making them suitable for battery-powered or power-constrained applications.

Fast Performance: The CoolRunner XA CPLDs offer fast propagation delays and clock-to-output times, enabling high-speed operation in digital systems.

I/O Flexibility: They typically provide a variety of programmable I/O pins, allowing for versatile interfacing with other digital components.

In-system Programming: The CPLDs support in-system programming, enabling easy configuration updates without removing the device from the system.

Design Security: Some CoolRunner XA CPLDs may include security features like bitstream encryption or anti-tamper protection.

Application

Consumer Electronics: Used for logic functions, I/O interfacing, or glue logic in devices such as smartphones, tablets, digital cameras, and audio/video equipment.

Industrial Automation: Employed in industrial control systems, programmable logic controllers (PLCs), and field devices for implementing control and monitoring functions.

Communications Systems: Utilized in networking equipment, routers, switches, and telecommunications devices for logic functions and interface control.

Automotive Electronics: Found in automotive systems for implementing control logic, sensor interfacing, or communication interfaces.

Aerospace and Defense: Used in avionics systems, military equipment, and aerospace applications for logic functions, interface control, or system monitoring.

Related Products

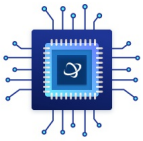
[XCCACE-TQG144I](#)

AMD Xilinx, Inc

144-LQFP

[XC17V16SO20C](#)

AMD Xilinx, Inc



XC17V16SO20I

AMD Xilinx, Inc

HW-MP-VQ44-1

AMD Xilinx, Inc

44-VQFP