

24 BIT Digital Signal Processor PBFREE

Manufacturers	<u>NXP Semiconductor</u>
Package/Case	LQFP-144
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for XC56309AG100A or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

XC56309AG100A appears to be a part number for a digital signal processor (DSP) manufactured by NXP Semiconductors. Specifically, it belongs to the family of processors known as the "56800/E" series, which are designed for applications that require high-speed signal processing.

Features

100 MHz clock frequency

96K words of on-chip program memory

48K words of on-chip data memory

16-bit fixed-point processing

Dual multiply-accumulate (MAC) units

4-channel DMA controller

8-channel interrupt controller

Several communication interfaces, including SPI, SCI, and I2C

Operating temperature range of -40°C to +125°C

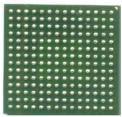


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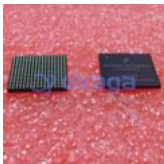
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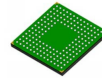
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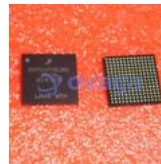
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