DSP56311VL150

Data Sheet

24-BIT Digital Signal Processor PBFREE

Manufacturers	NXP Semiconductor
Package/Case	BGA-196
Product Type	Embedded Processors & Controllers
RoHS	
Lifecycle	

Images are for reference only

Please submit RFQ for DSP56311VL150 or Email to us: sales@ovaga.com We will contact you in 12 hours.

RFQ

General Description

DSP56311VL150 is a digital signal processor (DSP) chip developed by NXP Semiconductors (formerly Freescale Semiconductor). It belongs to the 56xxx DSP family and is based on the M68K core.

Features

150 MHz maximum clock frequency

24-bit data path and 24-bit address path

4K-byte instruction cache and 4K-byte data cache

80 KB on-chip RAM and 512 KB on-chip flash memory

Support for fixed-point and floating-point arithmetic

Integrated DMA controller, interrupt controller, and timers

Multiple communication interfaces, including SPI, I2C, UART, and CAN

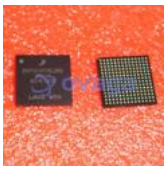
Application

DSP56311VL150A: This is a newer revision of the DSP56311VL150 with improved functionality and performance.

DSP56311VF150: This is a similar DSP chip from the same family with a slightly different set of features.

DSP56311VY150: This is another variant of the DSP56311 family with a different pinout and package.

Related Products



[DSP56321VL240]

NXP Semiconductor

196-BGA

[DSP56F827FG80E]

NXP Semiconductor

LQFP-128

[DSP56F807VF80E]

NXP Semiconductor

MAPBGA-160

[DSP56F807PY80E]

NXP Semiconductor

LQFP-160

[DSP56F805FV80E]

NXP Semiconductor

LQFP-144

[DSP56F801FA80E]

NXP Semiconductor

LQFP-48

[DSP56F801FA60E]

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[DSP56301AG80]

NXP Semiconductor

TQFP-208