

Digital Signal Processor 56301AG80 PB FREE, Digital Signal Processors & Controllers (DSP, DSC) (DSP, DSC) DSP56301AG80 PB FREE

Manufacturers	NXP Semiconductor
Package/Case	TQFP-208
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DSP56301AG80 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DSP56301AG80 is a digital signal processor (DSP) produced by Freescale Semiconductor (now part of NXP Semiconductors). It was released in 1996 and is part of the DSP56300 family of DSPs.

Features

- 24-bit fixed-point DSP architecture
- Up to 80 MHz clock frequency
- 40-bit accumulators and 24-bit ALU
- On-chip program and data memory
- Multiple communication interfaces (serial, parallel, etc.)
- On-chip timer and interrupt controller
- Low power consumption

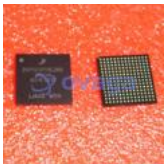
Application

- Audio processing (e.g. digital filters, equalizers, and effects)
- Video processing (e.g. image and video compression and decompression)
- Motor control (e.g. brushless DC motor control)
- Telecommunications (e.g. voice and data transmission)
- Industrial control and automation





Related Products



[DSP56321VL240](#)

NXP Semiconductor
196-BGA



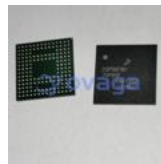
[DSP56311VL150](#)

NXP Semiconductor
BGA-196



[DSP56F827FG80E](#)

NXP Semiconductor
LQFP-128



[DSP56F807VF80E](#)

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MAPBGA-160



DSP56F807PY80E

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DSP56F805FV80E

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LQFP-144



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LQFP-48



DSP56F801FA60E

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