

16 BIT HYBRID CONTROLLER, Digital Signal Processors & Controllers (DSP, DSC)
(DSP, DSC) 16 BIT HYBRID CONTROLLER

Manufacturers	NXP Semiconductor
Package/Case	LQFP-48
Product Type	Embedded Processors & Controllers
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for DSP56F801FA60E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

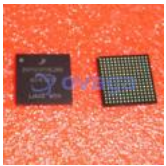
DSP56F801FA60E is a digital signal processor (DSP) chip produced by NXP Semiconductors (formerly Freescale Semiconductor). It is a member of the DSP56F80x family, which is designed for real-time control and signal processing applications.

Features

- 16-bit fixed-point DSP core
- 60 MHz maximum operating frequency
- 56 KB on-chip Flash memory and 2 KB on-chip RAM
- 12-bit analog-to-digital converter (ADC) with up to 24 channels
- Multiple serial communication interfaces (I2C, SPI, SCI)
- On-chip peripherals such as timers, PWM generators, and a watchdog timer



Related Products



[DSP56321VL240](#)

NXP Semiconductor
196-BGA



[DSP56F827FG80E](#)

NXP Semiconductor
LQFP-128



[DSP56F807PY80E](#)

NXP Semiconductor
LQFP-160



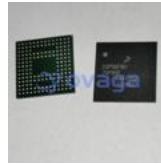
[DSP56F801FA80E](#)

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[DSP56311VL150](#)

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BGA-196



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[DSP56301AG80](#)

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TQFP-208