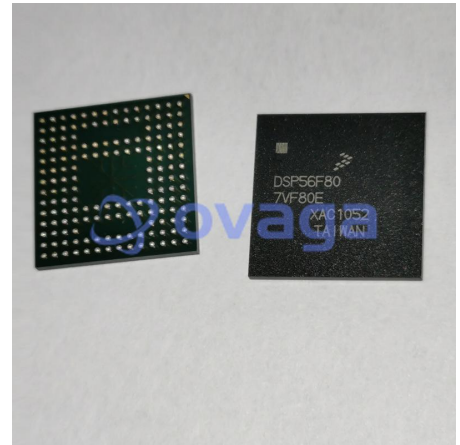


Digital Signal Controller, 56800E Series, 80 MHz, 128 KB, 32 I/O's, CAN, SCI, SPI

| | |
|---------------|-----------------------------------|
| Manufacturers | NXP Semiconductor |
| Package/Case | MAPBGA-160 |
| Product Type | Embedded Processors & Controllers |
| RoHS | Rohs |
| Lifecycle | |



Images are for reference only

Please submit RFQ for DSP56F807VF80E or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

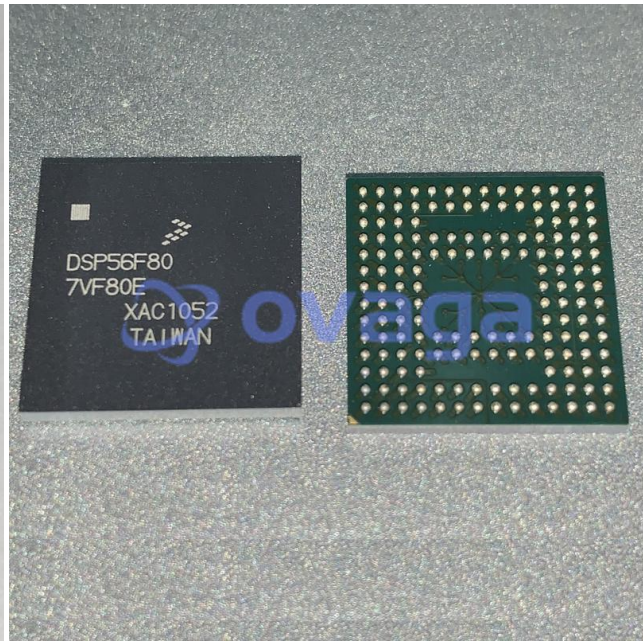
DSP56F807VF80E is a digital signal processor (DSP) microcontroller manufactured by NXP Semiconductors. It is part of the 56F8xx family of DSPs, which are designed for applications requiring high-performance signal processing and low power consumption.

Features

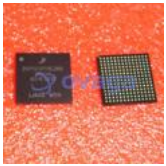
- 80 MHz 24-bit DSP core
- 64 KB of program memory and 32 KB of data memory
- On-chip peripherals such as timers, serial ports, and analog-to-digital converters
- Integrated flash memory and EEPROM for program and data storage
- Low power consumption for battery-operated applications
- Operating temperature range from -40°C to +85°C

Application

- Audio and speech processing
- Industrial automation and control
- Motor control and power conversion
- Automotive systems, such as engine management and driver assistance
- Medical devices, such as patient monitoring and diagnostics



Related Products



[DSP56321VL240](#)

NXP Semiconductor
196-BGA



[DSP56F827FG80E](#)

NXP Semiconductor
LQFP-128



[DSP56F805FV80E](#)

NXP Semiconductor
LQFP-144



[DSP56F801FA60E](#)

NXP Semiconductor
LQFP-48



[DSP56311VL150](#)

NXP Semiconductor
BGA-196



[DSP56F807PY80E](#)

NXP Semiconductor
LQFP-160



[DSP56F801FA80E](#)

NXP Semiconductor
LQFP-48



[DSP56301AG80](#)

NXP Semiconductor
TQFP-208