

Processor Supervisor 4.65V, WDT, Reset Input 8-Pin, SOIC

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOIC8
Product Type	Supervisors
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for LTC690CS8#PBF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The LTC6903/LTC6904 are low power self contained digital frequency sources providing a precision frequency from 1kHz to 68MHz, set through a serial port. The LTC6903/ LTC6904 require no external components other than a power supply bypass capacitor, and they operate over a single wide supply range of 2.7V to 5.5V.

The LTC6903/LTC6904 feature a proprietary feedback loop that linearizes the relationship between digital control setting and frequency, resulting in a very simple frequency setting equation:

where OCT is a 4-bit digital code and DAC is a 10-bit digital code.

The LTC6903 is controlled by a convenient SPI compatible serial interface. The LTC6904 uses an industry standard I2C compatible interface.

## Features

1kHz to 68MHz Square Wave Output

0.5% (Typ) Initial Frequency Accuracy

Frequency Error <1.1% Over All Settings

10ppm/°C Typical Frequency Drift Over Temperature

0.1% Resolution

1.7mA Typical Supply Current ( $f < 1\text{MHz}$ )

2.7V to 5.5V Single Supply Operation

Jitter <0.4% Typical 1kHz to 8MHz

Easy to Use SPI (LTC6903) or I2C (LTC6904) Serial Interface

Output Enable Pin

MS8 Package

## Application

Precision Digitally Controlled Oscillator

Power Management

Direct Digital Frequency Synthesis (DDS) Replacement

Replacement for DAC and VCO

Switched Capacitor Filter Clock

## Related Products



### [LT3763EFE](#)

Analog Devices, Inc  
TSSOP28



### [LT1038CK](#)

Analog Devices, Inc  
TO-3



### [LTC4417IUF](#)

Analog Devices, Inc  
QFN-24



### [LTC3440EMS](#)

Analog Devices, Inc  
MSOP10



### [LTC1966CMS8#PBF](#)

Analog Devices, Inc  
MSOP-8P



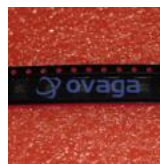
### [LTC2990IMS#PBF](#)

Analog Devices, Inc  
10MSOP



### [LTM8045EY#PBF](#)

Analog Devices, Inc  
BGA40



### [LT4295IUFD#PBF](#)

Analog Devices, Inc  
28-WFQFN