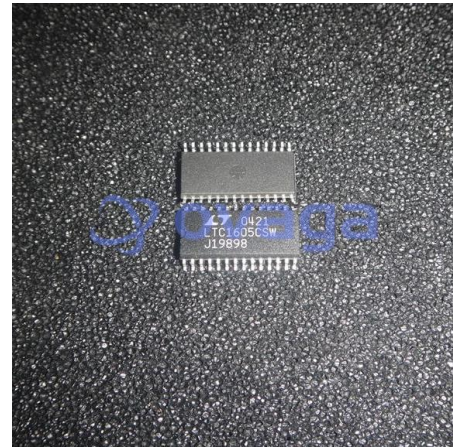


16-Bit, 100ksps, Sampling ADC A/D Converter

Manufacturers	Analog Devices, Inc
Package/Case	SOP28
Product Type	Power Supplies
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for LTC1605CSW or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

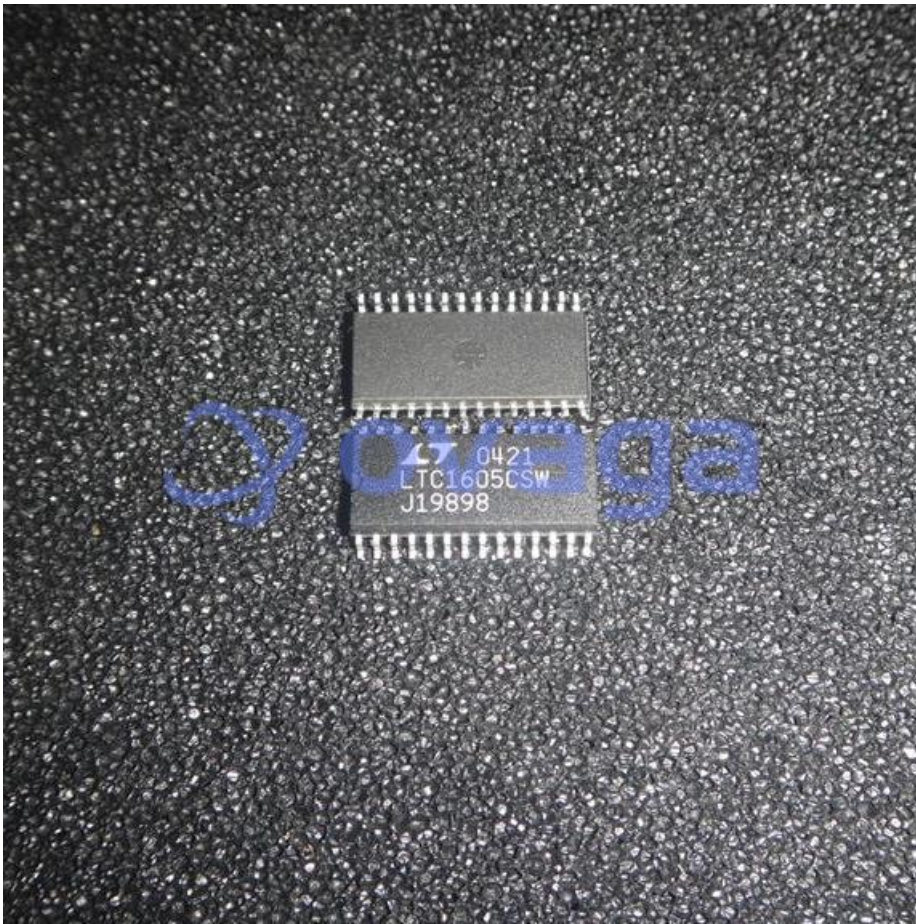
LTC1605CSW is an analog-to-digital converter (ADC) produced by Linear Technology Corporation (now part of Analog Devices). It is a 16-bit, 100 kSPS (thousand samples per second) ADC with a differential input and a supply voltage range of 4.75V to 5.25V. The device is designed for high-precision applications, with a typical integral nonlinearity (INL) and differential nonlinearity (DNL) of ± 1 LSB (least significant bit).

Features

- 16-bit resolution
- 100 kSPS maximum sample rate
- ± 1 LSB INL and DNL typical
- Differential input with a wide common-mode range
- Low power consumption (around 10 mW)
- Built-in reference and reference buffer
- SPI-compatible serial interface

Application

- High-precision measurement of temperature, pressure, and other physical quantities
- Sampling and digitization of signals from sensors, transducers, or other analog sources
- High-accuracy motor control and servo systems
- Signal processing and analysis in audio, video, and telecommunications



Related Products



[LTC1966CMS8](#)

Analog Devices, Inc
MSOP-8



[LT1054ISW](#)

Analog Devices, Inc
SOP-16



[LT1931ES5](#)

Analog Devices, Inc
SOT-23



[LTC1446CS8](#)

Analog Devices, Inc
SOP-8



[LTC2600IGN](#)

Analog Devices, Inc
SSOP-16



[LTC2208CUP](#)

Analog Devices, Inc
QFN64



[LTC1606IG](#)

Analog Devices, Inc
SSOP-28



[LT3463EDD](#)

Analog Devices, Inc
QFN10