

## Product Overview

### NCD98010: 12-Bit Low Power SAR ADC Unsigned Output

For complete documentation, see the data sheet.

The NCD98010 (unsigned output) ADC product provides an extremely low power solution for analog to digital conversion applications using a capacitor-based successive-approximation architecture. Optimized for low power and speed, the NCD98010 can achieve a sample rate of 2 MSPS while consuming less than 1 mW of power. The device also features a large input voltage range of 1.65V to 3.3V for various applications for both analog and digital supplies. The SPI-compatible interface provides a straight-forward data-acquisition method.

#### Features

- Nanowatt Power Consumption, 2 MSPS Sampling rate, 12-bit resolution

#### Benefits

- Enable analog to digital conversion for ultra low-power application, allows for drop in replacement into existing systems, high resolution matches the needs of the targeted applications

#### Applications

- Low-Power Data Acquisition, Battery-powered Equipment, Level Sensors, Ultrasonic Flow Meters, Motor Controls, Wearable Fitness, Portable Medical Equipment, Glucose Meters

#### End Products

- Portable Medical Equipment, Wearable Fitness, Glucose Meters

#### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	Resolution (bits)	Control Interface	Package Type
NCD98010XMXTAG	0.6	Pb-free Halide free non AEC-Q and PPAP	Active	1	12	SPI	X2QFN8, 1.5x1.5, 0.5P

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

Created on: 10/28/2020