

## NC7SZ34

# Ultra High Speed Buffer

## Product Overview

For complete documentation, see the data sheet.

The NC7SZ34 is a single buffer from ON Semiconductor's Ultra-High Speed (UHS) series of TinyLogic®. The device is fabricated with advanced CMOS technology to achieve ultra-high speed with high output drive, while maintaining low static power dissipation over a broad VCC operating range of 1.65V to 5.5V VCC. The inputs and output are high-impedance when VCC is 0V. Inputs tolerate voltages up to 5.5V, independent of VCC operating voltage.

## Features

- Ultra-High Speed: tPD 2.4ns (Typical) into 50pF at 5V VCC
- High Output Drive:  $\pm 24$ mA at 3V VCC
- Broad VCC Operating Range: 1.65V to 5.5V
- Matches Performance of LCX Operated at 3.3V VCC
- Power-Down High-Impedance Inputs/Outputs
- Proprietary Noise / EMI Reduction Circuitry
- WLCSP Package

## Applications

- This product is general usage and suitable for many different applications.