

Product Overview

NCP304A: Voltage Detector with Reverse Pin Out

For complete documentation, see the data sheet.

The NCP304A is a second generation ultra-low current voltage detector. The device is specifically designed for use as a reset controller in portable microprocessor based systems where extended battery life is paramount. The device features a highly accurate under voltage detector with hysteresis which prevents erratic system reset operation as the comparator threshold is crossed. The NCP304A consists of complementary output devices that are available with either an active high or active low reset output. The NCP304A is available in the SC-82AB package with standard under voltage thresholds. Additional thresholds that range from 0.9 V to 4.9 V in 100 mV steps can be manufactured.

Features

- Complementary or Open Drain Reset Output
- Wide Operating Voltage Range of 0.8 V to 10 V
- Active Low or Active High Reset Output
- Quiescent Current of 1 μ A Typical
- High Accuracy Under Voltage Threshold of 2.0%
- Pb-Free Package Available

Applications

- Battery Backup Detection
- Low Battery Detection
- Microprocessor Reset Controller
- Power Fail Indicator
- Telecom: Line Cards, Modems, Answering Machines, and FAX

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Voltages Monitored	V_{CC} Max (V)	$V_{(TO)}$ Typ (V)	I_o Typ (μ A)	Reset Active State	Reset Timer	Manual Reset	Watchdog Timer	Package Type
NCP304ALSQ43T1G		Pb-free Halide free	Active	1	10	4.3	1	Low	No	No	No	SC-82AB-4

For more information please contact your local sales support at www.onsemi.com.

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