

# Micro-Power Reset IC

## Features

- Internally Fixed Threshold level of 2.3V/2.5V
- High Accuracy  $\pm 1.5\%$
- Low Supply Current 3.3 $\mu$ A at  $V_{CC}=3V$
- No External Components Required
- N-Channel Open-Drain Output
- Available in Two Output Configurations  
Open-Drain RESET Output (G678H)  
Open-Drain  $\overline{\text{RESET}}$  Output (G678L)
- Guaranteed Reset Valid to  $V_{CC} = +1V$
- 4-Pin SC-70-4 (SC-82 / SOT-343) Packages

## Applications

- Computers
- Controllers
- Intelligent Instruments
- Critical  $\mu$ P and  $\mu$ C Power Monitoring
- Portable / Battery-Powered Equipment

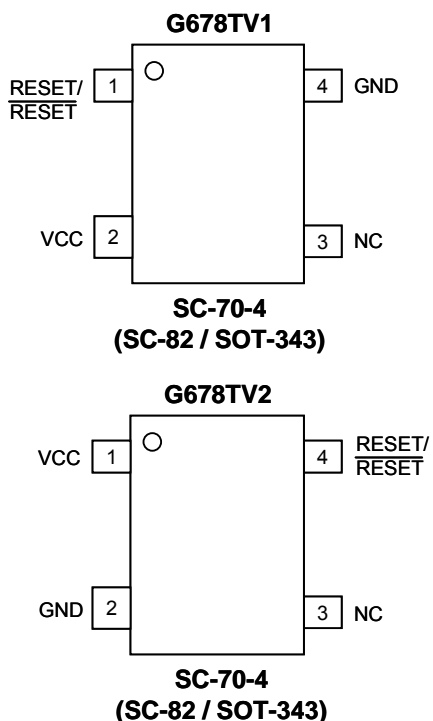
## General Description

The G678 is a micro-power voltage detector supervising the power supply voltage level for microprocessors ( $\mu$ P) or digital systems. They provide excellent circuit reliability and low cost by eliminating external components. It provides internally fixed threshold level of 2.3V/2.5V. It features low supply current of 3.3 $\mu$ A at  $V_{CC}=3V$ .

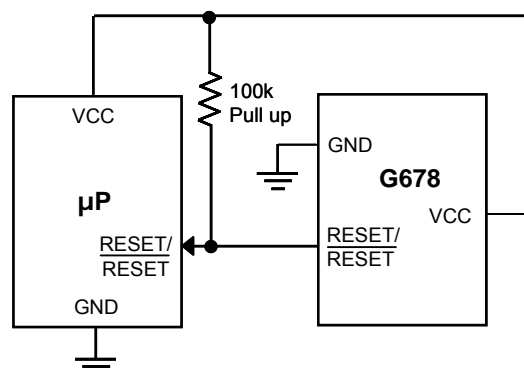
These circuits perform a single function: they assert a reset signal whenever the  $V_{CC}$  supply voltage declines below the preset threshold. Once  $V_{CC}$  recovered up-crossing the threshold level, the reset signal will be released.

The G678 is available in 4-Pin SC-70 (SC-82 / SOT-343) Package.

## Pin Configuration



## Typical Application Circuit



ICC may increased at high  $T_A$ , Therefore, can not connect Resistors to VCC to prevent  $I_{CC}$  abnormal behavior at high  $T_A$ .