MSDI with Suppressed Wake-up

MC34972

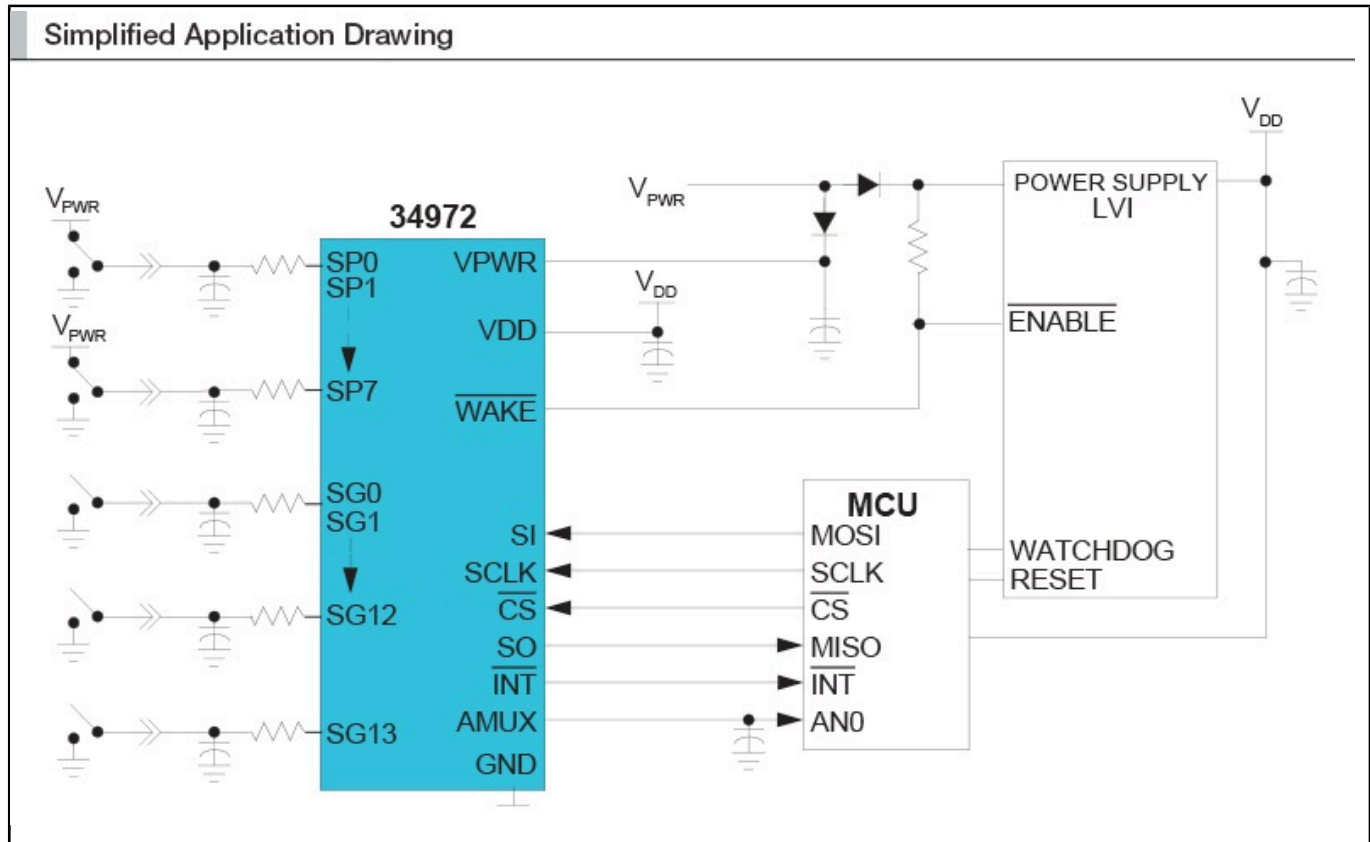**Archived**

Last Updated: Jul 21, 2023

The NXP® MC34972 Multiple Switch Detection Interface (MSDI) with suppressed wake-up is designed to detect the closing and opening of up to 22 switch contacts.

- The switch status, either open or closed, is transferred to the MCU through a serial peripheral interface (SPI)
- The device also features a 22-to-1 analog multiplexer for reading inputs as analog
- The analog input signal is buffered and provided on the AMUX output pin for the MCU to read

Simplified Application Drawing Block Diagram

View additional information for MSDI with Suppressed Wake-up.

Note: The information on this document is subject to change without notice.