

MSDI with Suppressed Wakeup

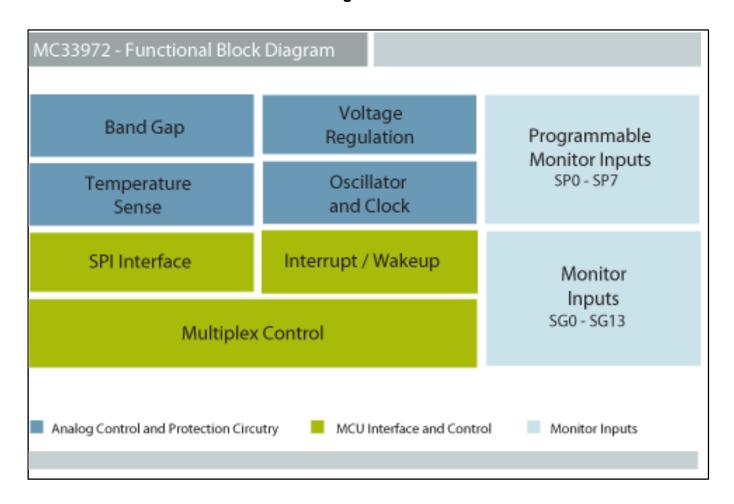
MC33972

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The NXP MC33972 multiple switch detection interface 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 SPI
- 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
- Two modes of operation:
 - Normal: allows programming of the device and supplies switch contacts with pull-up or pull-down current monitoring switch change of state
 - Sleep: provides low quiescent current, making MC33972 ideal for automotive and industrial products requiring low sleep state currents

NXP MC33972 Power Actuation Block Diagram



View additional information for MSDI with Suppressed Wakeup.

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

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