



# Two-Wheel Antilock Braking (ABS) Controller for Motorcycles

## SB0400

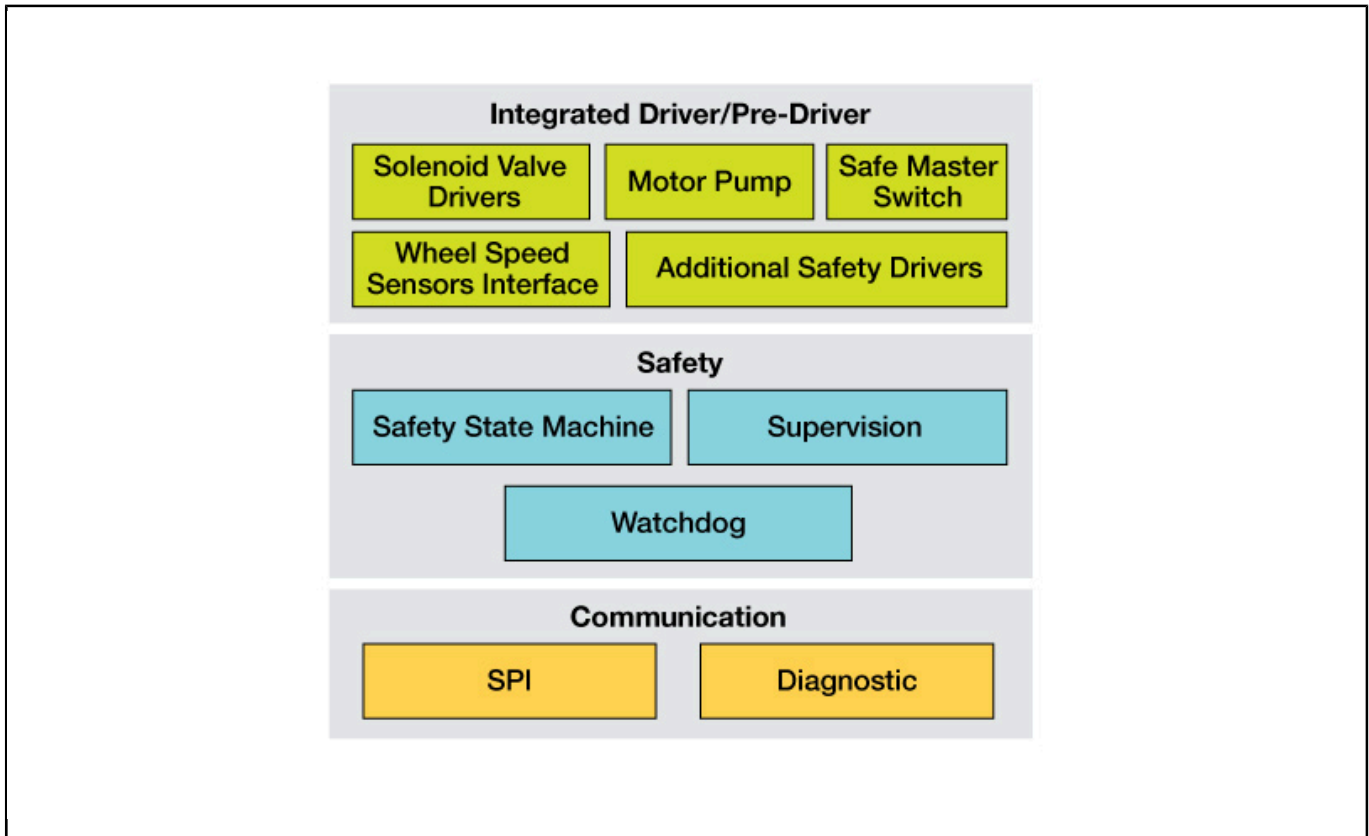
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Anti-lock braking systems (ABS) reduce accidents and save lives. This is well-known and proven for 4-wheel vehicles. Although not nearly as widely implemented as on 4-wheel vehicles, 2-wheeled motorcycles and scooters have increasing reasons for ABS implementation.

- The MC33SB0400 device is an antilock brake controllers designed for Motorcycle/Scooter. The MC33SB0400 is dedicated for the two channel ABS version.
- This antilock brake controller integrates four low side drivers with a low RDs (on) for solenoid valves, configurable wheel speed sensor interfaces for active sensors, a safe switch and finally a DC motor Pump controller.
- MC33SB0400 also has a warning lamp driver and a K-line transceiver. An internal charge pump allows the high-side drivers to use inexpensive N-channel MOSFETs.

For additional information and sample availability, contact your local NXP® Sales Office.

## SB0400/SB0401: Functional Internal Block Diagram Block Diagram



View additional information for [Two-Wheel Antilock Braking \(ABS\) Controller for Motorcycles](#).

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

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