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## Functional safety package to achieve ISO 26262 Safety Integrity Level (ASIL A/B) certification with STM8AF microcontrollers

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Data brief

### Features

- STM8AF safety manuals:
  - Detailed list of safety requirements (conditions of use) and examples to guide STM8AF users to achieve Automotive Safety Level (A or B) according ISO 26262 for the application-dependent layer (e.g. peripherals, watchdog).
  - FMEDA, diagnostic coverage proof, evidences of systematic failures avoidance.
  - Available for the STM8AF series.

### Description

STM8A microcontroller family includes STM8AF mainstream series and STM8AL ultra-low-power series. This databrief describes the STM8AF functional safety package. Based on STMicroelectronics Quality Foundations, STM8AF product portfolio and STM8AF embedded safety features, the STM8A-SafeASIL functional safety package helps customer to quickly market safety critical STM8AF based systems, targeting the Automotive Safety Integrity Level standard ISO 26262 Safety Integrity Level (ASIL A/B).

STMicroelectronics has partnered with Yogitech, a leader in providing services and solutions to silicon vendors and system integrators, to offer STM8AF safety manuals.

For complete and latest information on the specification and the purchased parts package, refer to the third party website <http://www.yogitech.com/>.

## Ordering information

STM8A-SafeASIL is available for free download from [www.st.com/stm8safety](http://www.st.com/stm8safety).

## Revision history

**Table 1. Document revision history**

Date	Revision	Changes
07-Jul-2015	1	Initial release.

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