

# Certificate



## Functional Safety Management

### FS Management (TÜV Rheinland)

Manufacturer of Semiconductors Devices, related to  
ISO 26262 Road vehicles - Functional safety &  
IEC 61508 E/E/PE System Realisation (Phase 10)  
A-FSM 179

#### Certificate No.

968/A-FSM 179.00/23

#### Certified Company & Location

**Microchip Technology Inc**  
2355 W. Chandler Boulevard  
Chandler, AZ 85224  
USA



#### Scope of Certification

Manufacturer of Semiconductors Devices, related to

**ISO 26262-2:2018 Management of functional safety**  
**ISO 26262-4:2018 (in extracts) Product development at the system level**  
**ISO 26262-5:2018 Product development at the hardware level**  
**ISO 26262-6:2018 Product development at the software level**  
**ISO 26262-7:2018 Production, operation, service and decommissioning**  
**ISO 26262-8:2018 (in extracts) Supporting processes**  
**ISO 26262-9:2018 ASIL-oriented and safety-oriented analyses**  
and  
**IEC 61508-1:2010 General requirements**  
**IEC 61508-2:2010 (in extracts) Requirements for E/E/PE System Realization (Phase 10)**  
**IEC 61508-3:2010 (in extracts) Software requirements**

In addition, the informative part ISO 26262-11:2018 "Guidelines on application of ISO 26262 to semiconductors" was taken into account for appropriate judgments on compliance with ISO 26262-5. ISO 26262 Parts 8-12, 8-14, 8-15 and 8-16 are **excluded** from certification. The ISO 26262 is the basic standard for this A-FSM Certification; however relevant clauses of the **IEC 61508:2010** standard are used complementarily.

The Certified Company has successfully demonstrated during an audit process that a Functional Safety Management System has been implemented and applied, up to and including **Automotive Safety Integrity Level ASIL D** of ISO 26262, and up to and including **Safety Integrity Level 3 (SIL3)** and **Systematic Capability 3 (SC3)** of IEC61508.

#### Maturity Level achieved: ML3 - Defined – Practiced

This FSM Certification only refers to the listed company location and their involved departments, which comply with the organizational FSM requirements for the listed Scope of Certification. It does not replace any kind of product specific Confirmation Measures including product specific audits or assessments.

#### Validity

This certificate is valid until 2026-07-31

**TÜV Rheinland Industrie Service GmbH**  
Bereich Automation  
Funktionale Sicherheit  
Am Grauen Stein, 51105 Köln

Cologne, 2023-07-12

Dipl.-Ing. (FH) Wolf Rückwart

TÜV Rheinland  
Industrie Service GmbH  
Automation and Functional Safety  
Am Grauen Stein  
51105 Cologne - Germany

Certification Body Safety & Security for Automation & Grid  
Further information referring to the scope of certification, see <http://www.tuvasi.com>. The issue of this certificate is based upon an evaluation in accordance with the Certification Program CERT CMP V1.0:2020 in its actual version, whose results are documented in Report No. 968/A-FSM 179.00/23 dated 2023-06-20. Issued by the certification body accredited by DAkkS according to DIN EN ISO/IEC 17065. The accreditation is only valid for the scope listed in the annex to the accreditation certificate D-ZE-11052-02-01.