SUPPORTING INFORMATION

Customer guideline for FIT reports of automotive parts

This table summarizes the FIT report types, which can be provided for Infineon Automotive Parts. Please note that the FIT values of the various standards or methodologies can't be compared, as the formulas and calculation methods are different. Only FIT values calculated by the same standard or methodology can be used for comparison.

Report	Database	Products	How to access
Reliability FIT report on technology level	Qualification and monitoring data for chip technology. In case of too low volume, target value is given.	All Infineon automotive parts	Documentation section on product specific page at www.infineon.com
Reliability FIT report on product level	Field data. In case of too low volume, target value is given.	All Infineon automotive parts	Refer to your local sales manager
Industry standard FIT report	SN29500	QM parts[1)] in applications without functional safety target	Documentation section on product specific page at www.infineon.com
Industry standard FIT report	ISO26262-11:2018 - 4.6.2.1.1 (former IEC62380)	QM parts[1)] (power switches excluded) in applications without functional safety target	Documentation section on product specific page at www.infineon.com For specific products, refer to your local sales manager
FIT report for functional safety applications	FIT rate based on field data according to ISO 26262-5:2018 - 8.4.3 b)	Hardware element class 1[2)] in functional safety applications	Request via local sales manager

1) QM parts are "Standard Products", qualified according to AEC 100/Q101/Q102/Q103, Grade 0,1,2,3 and not classified as ISO 26262-ready

2) A hardware element is classified as Class I (simple part) according to ISO 26262:2018 8-13.4.1.1 if:
- the element has at the maximum a few states which can be fully characterized, tested and analyzed from a safety perspective;
- safety related failure modes can be identified and evaluated without knowledge about details of the implementation and the production process of the element; and
- the element has no internal safety mechanisms which are relevant for the safety concept to control or detect internal failures.

NOTE This does not include safety mechanisms that monitor properties outside of the element.

EXAMPLE resistor, capacitor, transistor, diode, quartz, resonator.

Published by
Infineon Technologies AG
Am Campeon 1-15, 85579 Neubiberg
Germany

Public

Please note!
This Document is for information purposes only and any information given herein shall in no event be regarded as a warranty, guarantee or description of any functionality, conditions and/or quality of our products or any suitability for a particular purpose. With regard to the technical specifications of our products, we kindly ask you to refer to the relevant product data sheets provided by us. Our customers and their technical departments are required to evaluate the suitability of our products for the intended application.

We reserve the right to change this document and/or the information given herein at any time.

Additional information
For further information on technologies, our products, the application of our products, delivery terms and conditions and/or prices, please contact your nearest Infineon Technologies office (www.infineon.com).

Warnings
Due to technical requirements, our products may contain dangerous substances. For information on the types in question, please contact your nearest Infineon Technologies office.

Except as otherwise explicitly approved by us in a written document signed by authorized representatives of Infineon Technologies, our products may not be used in any life-endangering applications, including but not limited to medical, nuclear, military, life-critical or any other applications where a failure of the product or any consequences of the use thereof can result in personal injury.

Scan QR code and explore offering
www.infineon.com