



Release Note

IEC 61508 Functional Safety Packages for tinyAVR® 1 Family

Packages

Packages covered by the release note	IEC 61508 Basic Package
Target devices	tinyAVR® 1 microcontroller family
Version	1.0
Date (yyyy.mm.dd)	2022.03.01

List of Contents in Packages

Item	Doc. ID/Revision	Release Date (yyyy.mm.dd)	Basic
IEC 61508 FMEDA for ATtiny20x/40x/21x/41x	FS-00086/C	2022.02.01	X
IEC 61508 FMEDA for ATtiny41x/81x	FS-00087/C	2022.02.01	X
IEC 61508 FMEDA for ATtiny161x	FS-00011/H	2022.02.01	X
IEC 61508 FMEDA for ATtiny321x	FS-00010/F	2022.02.01	X
Safety Manual for tinyAVR® 1 microcontroller family	DS-40002393/A	2022.02.09	X

About the Contents in the Package

An FMEDA provides the base FIT rate of the device. It also provides the means to determine the residual FIT rate when the relevant diagnostic mechanisms are selected in the FMEDA by the system integrator.

A safety manual describes, in detail, how to use the device from both a hardware and software perspective in a safety-critical application that must conform to the IEC 61508 safety standard.

Refer to [IEC 61508 Industrial Functional Safety for PIC® and AVR®](#) for more information about the functional safety packages.

Version History

Version	Changes
1.0	<p>Packages created. Include the following items:</p> <p>IEC 61508 FMEDA for ATtiny20x/40x/21x/41x (rev. C)</p> <p>IEC 61508 FMEDA for ATtiny41x/81x (rev. C)</p> <p>IEC 61508 FMEDA for ATtiny161x (rev. H)</p> <p>IEC 61508 FMEDA for ATtiny321x (rev. F)</p> <p>Safety Manual for tinyAVR® 1 microcontroller family (rev. A)</p>

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