



DOCUMENT CHANGE REQUEST

DCR number	1527	Changes required for:	N/A	Originator:	Valeries Lepaludier
Date:	2023/02/20	Date sent:	2022/10/13	Organisation:	Atmel Microchip
Status:	IMPLEMENTED				

Title:	IC, Silicon Monolithic, Radiation-Hardened 32-BIT ARM® CORTEX®-M7 Microcontroller based on				
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Number:	9512/006	Issue:	2
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Other documents affected:

Page:

5, 6, 20 and 22

Paragraph:

§1.4.2., § 1.6, §1.11 and §2.3.1

Original wording:

see attached document

Proposed wording:

see attached document proposing a new version of the die with ESD level improved (§1.4.2, §1.6 and §1.11), and a correction in table §2.3.1. adding a note 21

Justification:

§1.4.2, §1.6, §1.11: introduction of a new version of the product with ESD improved.
§2.3.1: a parameter is tested but not recorded

Attachments:


dcr___9512006_issue2.doc

Modifications:

The existing Variant in this specification, Variant 01 (SAMRH71 die revision D), has reached 'End-of-Life' since Microchip's initial proposed changes for this DCR.

Therefore Variant 01 is deleted, the new Version is added as Variant 02 (SAMRH71E) and various other changes are made throughout, as follows:

- Thermal Resistance Max. Rating is amended from 2.9 to 1.5 deg.C/W;
- Text (Note) is added to Para. 1.6 regarding ESD robustness;
- A modified Protection Network diagram (and new Note 3) is added to Para. 1.11;
- Changes are made to Paras. 2.3 & 2.4: certain Characteristics are removed, Limits amended, Parameter Drift Values details changed.

Approval signature:

Date signed:
2023-02-20