Product Change Notification
(PCN)

641000003C

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641000003C001

1   PCN-Overview

PCN number	641000003C
release date	28.07.2020
type of change	Update of AT91Bootstrap (First-Stage-Bootloader)

2   Affected products

901.227C	EBG ICnova SAM9G45 SODIMM RevC
901.227C001 901.227C002	EBG ICnova SAM9G45 SODIMM RevC (modules with specialized firmwares)

3   Reason for change

A small percentage of CPU modules with the RAM components Winbond W9751G8KB25I / Winbond W9751G8NB25I are not initialized correctly after a soft reboot / reset, whereupon the CPU module may not start correctly.

4   Description of change

The RAM initialization routine in the AT91 bootstrap (first-stage bootloader) has been adapted to the specifications in the Windbond RAM data sheet.

5   Customer impact & recommended actions

Qualification by the customer is recommended, but is not mandatory.

No software adaptation is necessary.

6   Customer benefit

Reliable soft-reboot und reset functionality.

7   Product identification after change

There is no separate product marking.

8   Changeover plan

sample availability	on request
Supply of serial parts secured until the planned changeover?	No, immediate update
taking effect	28.07.2020

9   Contact

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A Revision history

Version	Description	Editor
C001 28.07.2020	initial release	Ludwig Kormann