

Product Change Notification

(PCN)

641000001C

Table of Contents

1 PCN-Overview.....	3
2 Affected products.....	3
3 Reason for change.....	3
4 Description of change.....	3
5 Customer impact & recommended actions.....	3
6 Customer benefit.....	4
7 Product identification after change.....	4
8 Changeover plan.....	4
9 Contact.....	4
A Revision history.....	5

1 PCN-Overview

PCN number	641000001C
release date	28.07.2020
type of change	Update of AT91Bootstrap (First-Stage-Bootloader)

2 Affected products

901.182B	EBG_ICnova-SAM9G45-OEM_RevB
901.182B001 901.182B004	EBG_ICnova-SAM9G45-OEM_RevB (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 Winbond 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

contact by mail	In-Circuit GmbH Boltenhagener Str. 124 01109 Dresden Germany
contact by phone	+49 (0) 351 - 42 66 850
contact by email	office@in-circuit.de

A Revision history

Version	Description	Editor
C001 28.07.2020	initial release	Ludwig Kormann