



Product/Process Change Notification (PCN)

PCN Number: HC160802A (See Changes in Blue Text)

PCN Title: ATA663231/54/03 ATA663431/54 Improvements

PCN Issue Date: 08-Mar-16 (Revised 03/23/16)

Proposed First Ship Date: ATA663231: 06/08/2016
ATA663254: 06/10/2016
ATA663203: 08/05/2016
ATA663431: 08/26/2016
ATA663454: 08/26/2016

Change Category:

| | |
|--|---|
| <input checked="" type="checkbox"/> Material / Composition | <input type="checkbox"/> Manufacturing Location |
| <input type="checkbox"/> Processing / Manufacturing | <input type="checkbox"/> Quality / Reliability |
| <input checked="" type="checkbox"/> Design / Firmware | <input type="checkbox"/> Logistics |
| <input type="checkbox"/> Datasheet | <input type="checkbox"/> Other: |

Change Description:

| Changed Item | Current | New |
|--------------|---|--|
| Design | POR behavior: Theoretical failure risk detected. No complaints up to now, but fix will be implemented to eliminate any residual risk. | Metal fix to maximize robustness of POR functionality and improved design robustness |
| Assembly | Au bonds: ATA663231-FAQW ATA663254-FAQW ATA663203-FAQW | Cu bonds |

Reason for Change: Stabilize POR behavior, improve design robustness and align with latest assembly standard

Change Impact: Datasheet stays unchanged except new ordering numbers. After the conversion the old parts will be obsolete.

Product Identification:

| Current Part Number | New Part Number (if applicable) |
|---------------------|--|
| ATA663231-FAQW | ATA663231-GBQW |
| ATA663254-FAQW | ATA663254-GBQW |
| ATA663203-FAQW | ATA663203-GBQW |
| ATA663431-GDQW | No change in part number, identification via date-code |
| ATA663454-GDQW | No change in part number, identification via date code |

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Samples Availability

| Part Number | Sample ordering code | Remarks |
|----------------|----------------------|---|
| ATA663231-GBQW | ATA663231-GBQW | <input checked="" type="checkbox"/> Currently available <input type="checkbox"/> Will be available: (mm-dd-yy): <input type="checkbox"/> Not Applicable |
| ATA663254-GBQW | ATA663254-GBQW | <input checked="" type="checkbox"/> Currently available <input type="checkbox"/> Will be available: (mm-dd-yy): <input type="checkbox"/> Not Applicable |
| ATA663203-GBQW | ATA663203-GBQW | <input type="checkbox"/> Currently available <input checked="" type="checkbox"/> Will be available: 03-25-16 <input type="checkbox"/> Not Applicable |
| ATA663431-GDQW | ATA663431-GDQW | <input type="checkbox"/> Currently available <input checked="" type="checkbox"/> Will be available: 03-31-16 <input type="checkbox"/> Not Applicable |
| ATA663454-GDQW | ATA663454-GDQW | <input type="checkbox"/> Currently available <input checked="" type="checkbox"/> Will be available: 03-31-16 <input type="checkbox"/> Not Applicable |

Ordering Samples: Samples can be ordered through Atmel Sample Center by logging on to www.atmel.com/samples or contact your Atmel Sales Representative.

Qualification Data:

| | |
|--|--|
| <input type="checkbox"/> Available Refer to Annex A | <input checked="" type="checkbox"/> Will be available (mm/dd/yr): ATA663231: 03/24/2016 ATA663254: 03/31/2016 ATA663203: 05/27/2016 ATA663431: 06/17/2016 ATA663454: 06/17/2016 |
|--|--|

Characterization Data:

| | | |
|--|--|---|
| <input type="checkbox"/> Available Refer to Annex | <input checked="" type="checkbox"/> Will be available (mm/dd/yr): ATA663231: 04/08/2016 ATA663254: 04/15/2016 ATA663203: 06/10/2016 ATA663431: 07/01/2016 ATA663454: 07/01/2016 | <input type="checkbox"/> Not Applicable |
|--|--|---|

Method to Identify Change: Multiple (indicate details here)
See section product identification

Marking Change: No Yes [See section product identification](#)

Data Sheet: To view Data sheet please go to www.atmel.com



Please contact your Atmel Sales Representative or Distributor for additional information

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Customer Acknowledgement of Receipt:

Atmel requests you acknowledge receipt of this PCN. Please complete and email to pcnadm@atmel.com and the Atmel Contact listed above. In your acknowledgement, you can grant approval or request additional information. **Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice.**

To be completed by customer:

- Approved
- Rejected (Please state reason for rejection):

Company:

Name:

Title:

Date:

Email Address:

Location:

Comments: