PCN Number: HC153701   **Notification Date: September 16, 2015**

Title: Update of the Datasheets regarding pureRXMode

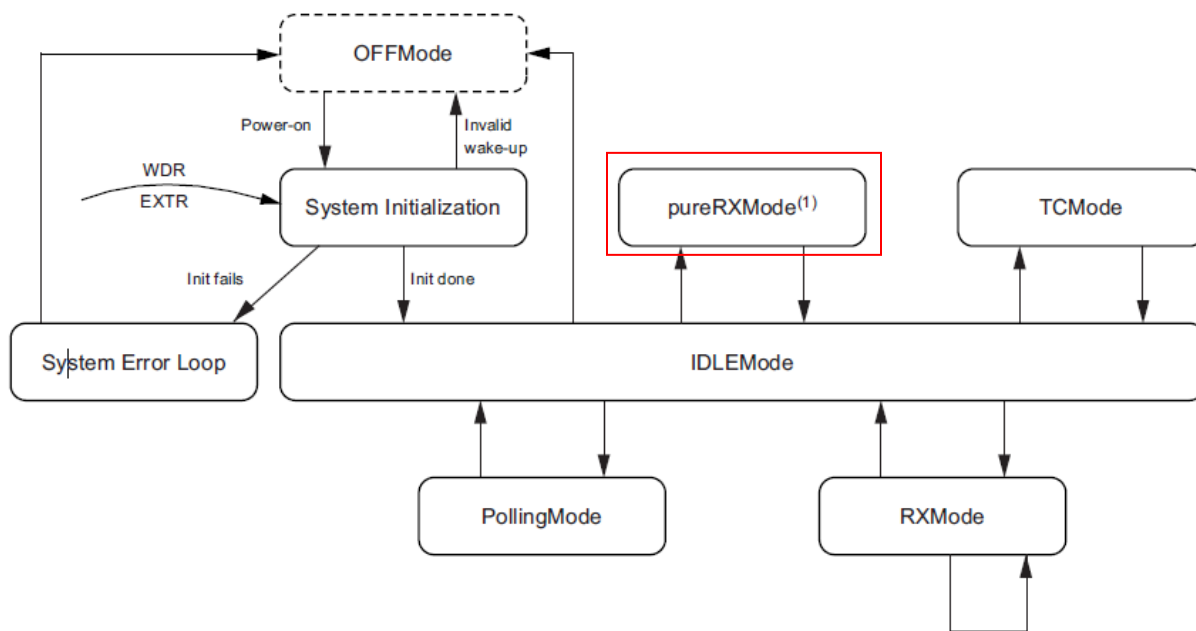**Product Identification:**
ATA5781-WNQW / ATA5782-WNQW
/ ATA5831-WNQW / ATA5831V-WNQW / ATA5833-WNQW

Reason for Change:

- [ ] Material / Composition
- [ ] Processing / Manufacturing
- [ ] Design / Firmware
- [x] Datasheet

- [ ] Manufacturing Location
- [ ] Quality / Reliability
- [ ] Logistics
- [ ] Other:

Change Description: A new product version ATA5781N-WNQW is introduced supporting pureRXMode operation. Customers using pureRXMode need to order ATA5781N-WNQW. The pureRXMode is a special mode which needs to be activated via EEPROM setting. Standard RX modes (buffered and transparent) are not impacted.

Figure 2-4. Operating Modes Overview

(1) pureRXMode only supported by ATA5781N

Reason of feature removal:

In general the pureRXMode works. Only in the unusual case, when parallel signals and special timing occurs at the same time, the device stucks in pureRXMode. A toggling at PIN18 (PC4) which controls the pureRXMode sets back the device to the target operating mode.

Identification Method to Distinguish Change:
Existing products are unchanged, if pureRXMode is needed the ATA5781N-WNQW needs to be ordered.

Qualification Data:	☐ Available	☐ Will be available (mm/dd/yr):	☒ Not Applicable
Samples:	☐ Available	☐ Will be available (mm/dd/yr):	☒ Not Applicable

Quantifiable Impact on Quality & Reliability: Products are unchanged / documentation (Datasheet) updated

Proposed First Ship Date*: Not applicable

*The Proposed First Ship Date is the forecasted date that a customer may expect to receive changed product. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive changed product on this date, Atmel will continue to ship pre-changed product until a time in which inventory has been depleted. This may result in pre-changed product being shipped to customers after this forecasted date.

Atmel Contact: Please contact your Atmel Sales Representative or Distributor for additional information (when replying via e-mail please include the PCN number in subject line).

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To be completed by customer:

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Company:	
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