

**PCN Number: HC153701A (Revised 11/17/15) Notification Date:** September 16, 2015  
**See below updates in blue text**

**Title: Update of the Datasheets regarding pureRXMode**

**Product Identification:**

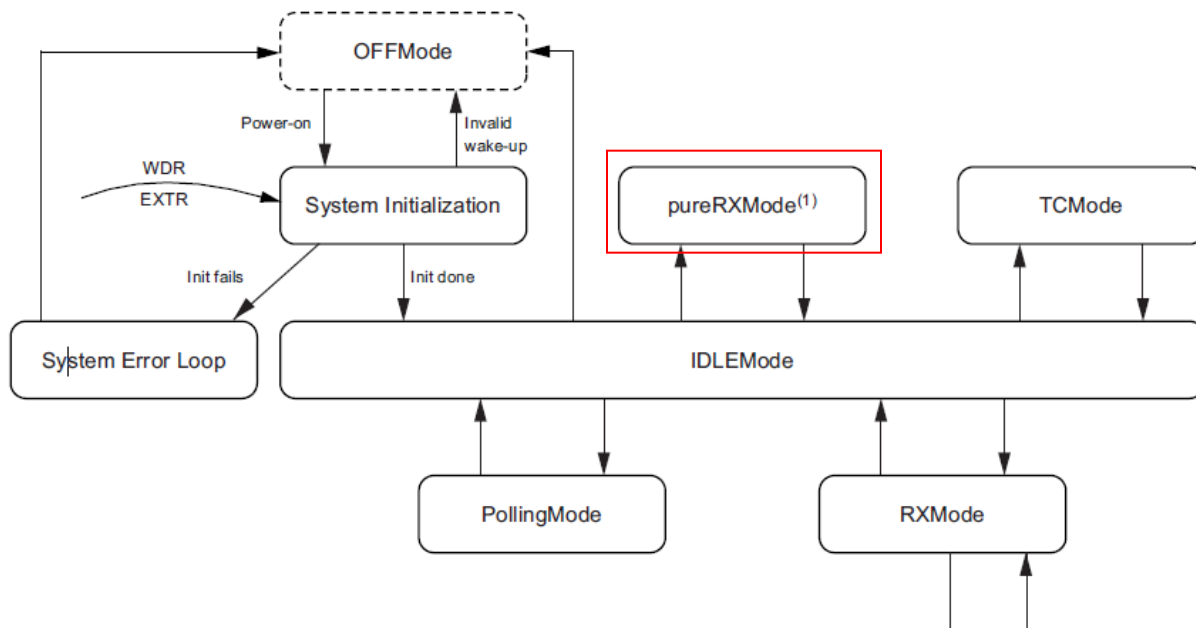
ATA5781-WNQW  
 ATA5782-WNQW  
 ATA5831-WNQW  
 ATA5831V-WNQW  
 ATA5833-WNQW

**Reason for Change:**

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



<sup>(1)</sup> 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 sticks in pureRXMode. A toggling at PIN18 (PC4) which controls the pureRXMode sets back the device to the target operating mode.

<b>Identification Method to Distinguish Change:</b> Existing products are unchanged, if pureRXMode is needed the ATA5781N-WNQQW needs to be ordered.			
<b>Qualification Data:</b>	<input type="checkbox"/> Available	<input checked="" type="checkbox"/> Will be available (mm/dd/yr): 11/27/15	<input type="checkbox"/> Not Applicable
<b>Samples:</b>	<input checked="" type="checkbox"/> Available	<input type="checkbox"/> Will be available (mm/dd/yr):	<input type="checkbox"/> Not Applicable
<b>Quantifiable Impact on Quality &amp; Reliability:</b> Impacted products are unchanged / documentation (Datasheet) updated			
<b>Proposed First Ship Date*:</b> Not applicable  <i>*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.</i>			
<b>Atmel Contact:</b> 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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