Revision A3 Errata

The errata listed below describe situations where components of this revision perform differently than expected or differently than described in the data sheet. Maxim Integrated Products, Inc., intends to correct these errata when the opportunity to redesign the product presents itself.

This errata sheet only applies to components of this revision. These components are branded on the topside of the package with a six-digit code in the form yywwRR, where yy and ww are two-digit numbers representing the year and work week of manufacture, respectively, and RR is the revision of the component. To obtain an errata sheet on other die revisions, visit our website at www.maximintegrated.com/errata.

1) \( I_{DD} \) can exceed specified values with slow \( V_{DD} \) rise time or steady state voltage between \( V_{POR} \) and \( V_{RST} \)

   **Description:**
   \( I_{DD} \) can exceed the specified maximum value by as much as 500\( \mu \)A if \( V_{DD} \) is held at a voltage between \( V_{POR} \) and \( V_{RST} \).

   **Workaround:**
   Guarantee that the \( V_{DD} \) rise time is faster than 1.5V/s to minimize the time spent in the region between \( V_{RST} \) and \( V_{PFW} \). The system designer must ensure that \( V_{DD} \) cannot remain in the region between \( V_{RST} \) and \( V_{PFW} \) during power-up as a result of a low-voltage condition such as a discharged battery.

2) \( P0.0 \) does not function as GPIO

   **Description:**
   \( P0.0 \) functionality is disabled and as a result \( P0.0 \) cannot be used as a GPIO.

   **Workaround:**
   None on this die revision.

3) \( V_{PFWRST} \) (typ) should be 110mV

   **Description:**
   The typical value of \( V_{PFWRST} \) listed in the data sheet should be 110mV.

   **Workaround:**
   None required.

4) \( f_{OSC\_VAR} \) test condition incorrect

   **Description:**
   The first test condition \( (T_A = +25^\circ C, V_{DD} = 1.8V \pm 5\%) \) should be \( (T_A = +15^\circ C \) to \( +40^\circ C, V_{DD} = 1.8V \pm 5\%) \).

   **Workaround:**
   None required.
5) TESTED LIMITS INCORRECTLY LISTED IN ELECTRICAL CHARACTERISTICS TABLE HEADER

Description:
Some headers of the Electrical Characteristics table incorrectly show the upper test limit as $T_A = +85^\circ C$. The upper test limit is always $T_A = +70^\circ C$ as stated in the Absolute Maximum Rating section.

Workaround:
None required.
<table>
<thead>
<tr>
<th>REVISION NUMBER</th>
<th>REVISION DATE</th>
<th>DESCRIPTION</th>
<th>PAGES CHANGED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10/14</td>
<td>Initial release. No errata.</td>
<td>—</td>
</tr>
<tr>
<td>1</td>
<td>12/14</td>
<td>Added erratum #1.</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2/15</td>
<td>Added erratum #2</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>9/15</td>
<td>Added erratum #3–5</td>
<td>1, 2</td>
</tr>
</tbody>
</table>

© 2015 Maxim Integrated Products, Inc. All rights reserved. The Maxim logo and Maxim Integrated are trademarks of Maxim Integrated Products, Inc. in the United States and other jurisdictions throughout the world.