

MAXQ611

ERRATA SHEET

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 top side 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 500μA 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°C, V_{DD} = 1.8V ±5%) should be (T_A = +15°C to +40°C, V_{DD} = 1.8V ±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 $T_A = +85^\circ\text{C}$. The upper test limit is always $T_A = +70^\circ\text{C}$ as stated in the *Absolute Maximum Rating* section.

Workaround:

None required.

Revision History

REVISION NUMBER	REVISION DATE	DESCRIPTION	PAGES CHANGED
0	10/14	Initial release. No errata.	—
1	12/14	Added erratum #1.	1
2	2/15	Added erratum #2	1
3	9/15	Added erratum #3–5	1, 2