MAXIM

ERRATA SHEET
MAXQ3180

_____ *Revision A6 Errata*

The errata listed below describe situations where MAXQ3180 revision A6 components 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 MAXQ3180 revision A6 components. Revision A6 components are branded on the topside of the package with a six-digit code in the form yywwA6, where yy and ww are two-digit numbers representing the year and work week of manufacture, respectively. To obtain an errata sheet on another MAXQ3180 die revision, visit our website at www.maxim-ic.com/errata.

1) DSPRDY BIT NOT IMPLEMENTED

Description:
The DSPRDY bit (IRQ_FLAG.14) is not implemented in this revision.

Workaround:
None. This feature will be implemented in subsequent versions of the device.

2) VIRTUAL ENERGY REGISTERS REPORT INCORRECT VALUES

Description:
Virtual energy registers (ENRx.x) may not reflect the values in the corresponding raw energy accumulator (x.EAxxx, x.ERxxx, x.ES, etc.). Negative values may be reported when the value is actually positive and large.

Workaround:
Read the desired value directly from the corresponding raw register (x.Exxxx).

3) VIRTUAL TOTAL ENERGY REGISTERS REPORT INCORRECT VALUES

Description:
Virtual total energy registers (ENRx.T) may not reflect the values in the corresponding raw energy accumulators (A.Exxxx, B.Exxxx, and C.Exxxx). Negative values may be reported when the value is actually positive and large.

Workaround:
Read the desired value directly from the corresponding raw register (x.Exxxx).

MAXQ3180
REV A6 ERRATA

REVISION HISTORY

REVISION NUMBER	REVISION DATE	DESCRIPTION	PAGES CHANGED
0	12/09	Initial release	—
1	11/10	Added erratum #2 and #3 (virtual registers)	1

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