

PCN # 1751

DATE: May 11, 2018

EXPECTED PCN SHIP DATE: May 11, 2018



**Quality Assurance**  
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San Jose, CA 95134

[www.maximintegrated.com](http://www.maximintegrated.com)

☐ **PROCESS CHANGE NOTICE**

☒ **PRODUCT CHANGE NOTICE**

**MAXIM INTEGRATED** HEREBY ISSUES NOTIFICATION OF CHANGE  
THAT MAY AFFECT THE FOLLOWING CATEGORIES:

<input checked="" type="checkbox"/> DESIGN	<input type="checkbox"/> WAFER FAB	<input type="checkbox"/> ASSEMBLY	<input type="checkbox"/> TEST	<input type="checkbox"/> ELEC/MECH SPECS
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AFFECTED PRODUCT:

Ordering P/N: (See PN listing XLS in PCN ZIP file)

CHANGE FROM: Die revision changes for Maxim  
ModelGauge m5 Fuel Gauge products.

MAX17201/MAX17211 (Single-cell, current die BC25A-0D)

MAX17205/MAX17215 (Multi-cell, current die BC25A-1D)

1. DEVNAME register of 0x021 is 0x10F\_

CHANGE TO: -

MAX17201/MAX17211 (Single-cell, new die BC25A-0E)

MAX17205/MAX17215 (Multi-cell, new die BC25A-1E)

1. DEVNAME register of 0x021 updated to 0x110\_ to  
distinguish from older revision

2. Added option for different I2C address:

MAX17201/MAX17205 now available with 0xEC and 0x96 I2C  
address options. MAX17211/MAX17215 (1-Wire) are not  
affected.

**JUSTIFICATION:** Under certain startup conditions, there is possibility that memory address 0x180 (used for storing ModelGauge m5 battery model) is incorrectly read back as 0 from Non-Volatile (NV) memory. This issue does not affect "EZ Config" model or pure coulomb counter use. This does not affect use cases where the host updates the model on every reset.

MAX17201 had a serial data line (SDA) latching condition if there was an aborted I2C transaction and SDA was pulled low while entering shutdown. This issue could be avoided by using Config.SHDN instead Config.COMMSH to enter shutdown mode. Issue does not affect the MAX17211/MAX17205/MAX17215.

The New Die Revision fixes issues described above. There are no form/fit/or other function changes.

**TRACEABILITY:** Maxim Integrated maintains full traceability by device marking, packaging labels and shipment documents.

Maxim Integrated's Change Notification System is designed to keep our customer base apprised of major product, manufacturing, or facility improvements.

*Nasser Ali Chaouche*

Nasser AliChaouche / PCN Coordinator

For further information, please contact either of the people listed below.

**Contact your local Maxim Integrated Company Representative**

or

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