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**UPDATE CHANGE NOTIFICATION # 16361**

Generic Copy

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**Issue Date: 16-Jul-2010**

**TITLE: Marking and Ordering Information Update for Gresham die based 2Kb I<sup>2</sup>C Serial EEPROM Devices (CAT24C02)**

**PROPOSED FIRST SHIP DATE: 01 Aug 2010**

**AFFECTED CHANGE CATEGORY(S): CAT24C02, Gresham Die (all packages, all temperatures)**

**ADDITIONAL RELIABILITY DATA: n/a**

**SAMPLES: Contact your local ON Semiconductor Sales Office**

**FOR ANY QUESTIONS CONCERNING THIS NOTIFICATION:**

Contact your local ON Semiconductor Sales Office or Denisa Stefan  
<[denisa.stefan@onsemi.com](mailto:denisa.stefan@onsemi.com)>

**NOTIFICATION TYPE:**

ON Semiconductor will consider this change approved unless specific conditions of acceptance are provided in writing within 30 days of receipt of this notice. To do so, contact <[quality@onsemi.com](mailto:quality@onsemi.com)>.

**DESCRIPTION AND PURPOSE:**

**Marking Update:**

Package marking for 2Kb I<sup>2</sup>C Serial EEPROM devices fabricated with Gresham die (presently offered under OPNs terminated with 'A') will be updated, as compared to the format previously published in FPCN 16361, in order to align the marking for these devices to the improved marking format most recently announced for 4Kb to 64Kb I<sup>2</sup>C devices fabricated with Gresham die (FPCN 16476). This marking update provides an easier identification of device, die revision and package, as requested by our customers.

The new marking shown in the attached Appendix will be used starting with date codes containing August, 2010.

**Ordering Information update:**

In addition, customers that have qualified Gresham die based devices will have a choice of ordering either under 'Gresham' OPN with 'A' suffix: e.g. CAT24C02WI-GT3A (FPCN#16361) or under the 'generic' OPN without 'A' suffix (e.g. CAT24C02WI-GT3).



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**Appendix - Changed Part Identification**

**CAT24C02 Gresham die based package marking, before and after August 1<sup>st</sup>, 2010**

List of symbols:

24C02H - device code for SOIC/PDIP  
 C1H / C02H - device code for TSSOP  
 C1 / C1T, C1U - device code for TDFN/UDFN/MSOP/TSOT

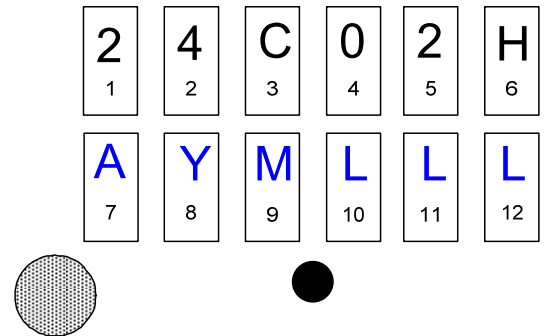
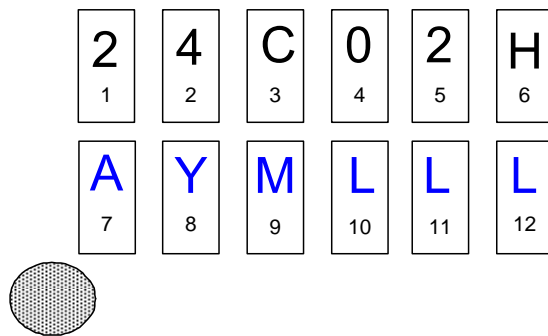
A – Assembly site code  
 LLL or LL - Lot number  
 Y - Production Year (1 digit)  
 M - Production Month (1 digit)  
M - Code for production month and assembly location (underline, etc. for assembly location)

- Pb-Free microdot

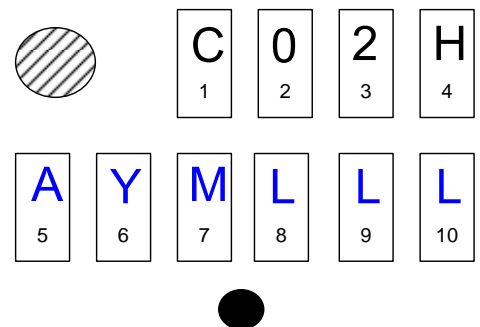
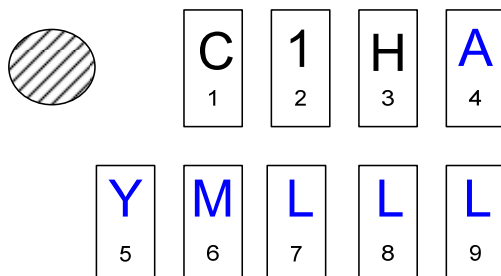
**Before August, 2010 (FPCN#16361)**

**After August, 2010**

SOIC (W)



TSSOP (Y)



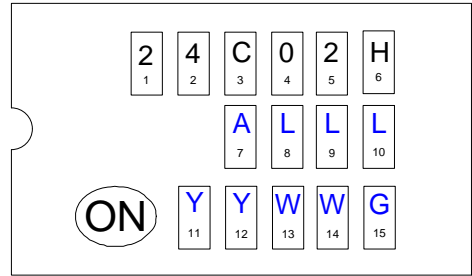
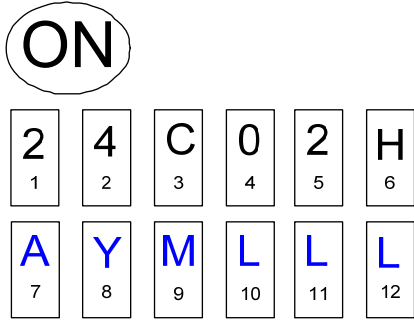


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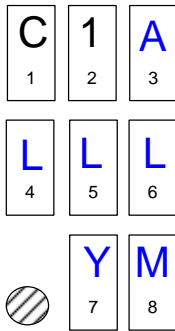
**Before August, 2010 (FPCN#16361)**

**After August, 2010**

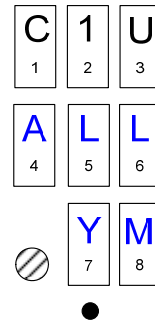
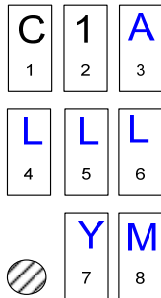
PDIP (L)



TDFN8 - 2x3 (VP2)



UDFN8 - 2x3 (HU4)



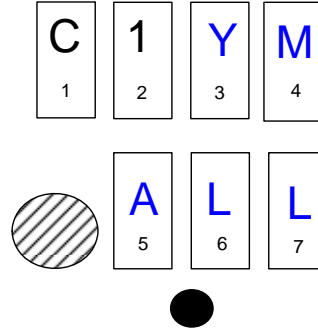
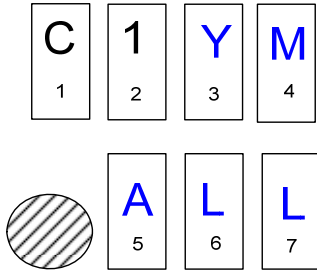


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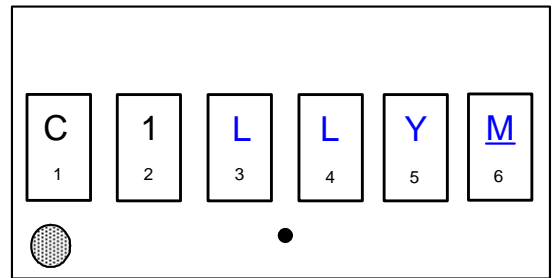
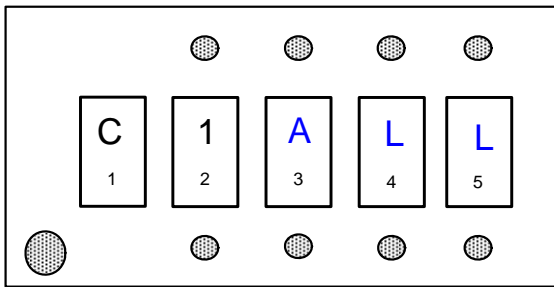
**Before August, 2010 (FPCN#16361)**

**After August, 2010**

MSOP (Z)



TSOT-23 (TD)





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**List of affected General Parts:**

CAT24C02LI-G  
CAT24C02LI-GA  
CAT24C02WI-GT3  
CAT24C02WI-GT3A  
CAT24C02YI-GT3  
CAT24C02YI-GT3A  
CAT24C02VP2I-GT3  
CAT24C02VP2IGT3A  
CAT24C02ZI-GT3  
CAT24C02ZI-GT3A  
CAT24C02TDI-GT3  
CAT24C02TDI-GT3A  
CAT24C02LE-G  
CAT24C02LE-GA  
CAT24C02WE-GT3  
CAT24C02WE-GT3A  
CAT24C02YE-GT3  
CAT24C02YE-GT3A  
CAT24C02VP2E-GT3  
CAT24C02VP2EGT3A  
CAT24C02ZE-GT3  
CAT24C02ZE-GT3A  
CAT24C02TDE-GT3  
CAT24C02TDE-GT3A  
CAT24C02HU4IGT3A