



Errata

128Mb P5Q Serial Phase Change Memory (PCM) NP5Q128A13ESFC0E, NP5Q128AE3ESFC0E

Introduction

This document is an update to the specifications of the Micron® 128Mb P5Q Serial Phase Change Memory (PCM) data sheet. It is intended for hardware system manufacturers and software developers of applications, operating systems, or tools.

Scope

This errata applies exclusively to Micron 128Mb P5Q quad/dual/single serial PCM memory components that were manufactured in 2010, work week 28 or after.

Terminology

Errata: Design defects or errors in a published data sheet. Errata may cause 128Mb P5Q serial PCM behavior to deviate from published specifications. Hardware and software designed for use with any given stepping must assume that all errata documented for that stepping are present on all devices.

Device Identification

Component Marking

The Component Marking Identification table provides examples of the visible product markings that identify an affected device.

Table 1: Component Marking Identification

Line	Top Marking	Description
First	P5Q128xx ¹	Product code
Second	X Y ZZ XXXX	X = Don't Care Y = Year ² ZZ = Work week of manufacture

- Notes:
1. For product code marking details, refer to the product data sheet.
 2. If Y = 0, then the year is 2010.
 3. If you have parts that are marked before work week 28 (x028xxxx), contact your Micron representative for an earlier version of the errata.



Errata List

Table 2: Known Issues, Workarounds, and Status

Errata Issue #	Information	Errata
1	Problem	Block protection bits do not function properly.
	Implication	When the status register block protect bits (BP3, BP2, BP1, BP0) are set to 1, the relevant memory area will not be protected against programming or erasing. Block protection bits will always read 0 even when programming is attempted.
	Workaround	No workaround is currently available.
	Status	A fix has been identified and will be enabled in the next Si stepping.



Revision History

Rev. D – 10/11

- CMS conversion: No substantive changes

Rev. C – 3/11

- Rebranding

Rev. B – 7/10

- Removed I_{CCS} errata

Rev. A – 4/10

- Initial release

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This data sheet contains initial characterization limits that are subject to change upon full characterization of production devices.