



Product Change Notice

Micron PCN: 31234

Date: 5/23/2014

Revision 5/28/2014: This document supersedes the original PCN #31234, dated 5/23/2014. Changes to the Description of Change section have updated to better outline product updates.

Type of Change:	Internal Device Algorithm Change
Title of Change:	Serial NOR N25Q128A13E updated with improved Erase/Program performance
Description of Change:	N25Q128A13E 3V Serial NOR will be shipped with new improved Erase/Program performance.

Parameter	Previous Value	New Value	Unit	Note
tPP Typ (n Byte)	Int(n/8) x0.015	Int(n/8) x0.01	ms	1,2
tPP Typ (256 Byte)	0.5	0.2	ms	1
tPP Max	5	0.4	ms	1
tSSE Typ	0.25	0.06	sec	
tSSE Max	0.8	0.2	sec	
tSE Typ	0.7 0.6 with VPP=VPPH	0.3	sec	
tSE Max	3	1	sec	
tBE Typ	170 160 with VPP=VPPH	46	sec	
tBE Max	250	250	sec	

Notes:

1. When using the PAGE PROGRAM command to program consecutive bytes, optimized timings are obtained with one sequence including all the bytes versus several sequences of only a few bytes ($1 < n < 256$).
2. int(A) corresponds to the upper integer part of A. For example $\text{int}(12/8) = 2$, $\text{int}(32/8) = 4$ $\text{int}(15.3) = 16$.

Reason for Change: Better Align Industry Standards

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Product Affected: N25Q128A13E 3V Serial NOR

Affected Micron Part Number

N25Q128A13E1240E	N25Q128A13ESE40F
N25Q128A13E1240F	N25Q128A13ESE40G
N25Q128A13E1241E	N25Q128A13ESEC0E
N25Q128A13E1241F	N25Q128A13ESEC0F
N25Q128A13E1440E	N25Q128A13ESEC0G
N25Q128A13E1440F	N25Q128A13ESF40E
N25Q128A13E1441E	N25Q128A13ESF40F
N25Q128A13E1441F	N25Q128A13ESF40G
N25Q128A13EF740E	N25Q128A13ESF4FF

Note: Per JEDEC Standard JESD46-C Section 3.2.3; lack of acknowledgment of this PCN within 30 days constitutes acceptance of change



Affected Micron Part Number

N25Q128A13EF740F	N25Q128A13ESF4FG
N25Q128A13EF840E	N25Q128A13ESFC0F
N25Q128A13EF840F	N25Q128A13ESFC0G
N25Q128A13EF8C0E	N25Q128A13EV740
N25Q128A13EF8C0F	N25Q128A13EV741
N25Q128A13ESE40E	

Method of Identification: Devices from week code 36 2014 will have the new performances.

Micron Sites Affected: Subcontractor; Singapore

Sample Available: Now

Qual Data Available: Now

Product Ship Date: 1-Sep-2014
