



Product / Process Change Notice

No.: Z200-PCN-DM201708-01-A

Date: 08/04/2017

Change Title : 1Gb (128Mbx8 and 64Mbx16) DDR3/DDR3L technology migration from 46nm to 38nm.

Change Classification: Major Minor

Change item : Design Raw Material Wafer FAB Assembly Packing Testing Others

Affected Product(s) :

Please refer to Table 1 in details.

Description of Change(s)

Technology migration from 46nm to 38nm for 1Gb DDR3/DDR3L.

Reason for Change(s) :

According to Winbond product roadmap, launch new 1Gb DDR3/DDR3L with 38nm technology.

Impact of Change(s) : (positive & negative)

Form : No Change

Fit : Change (x16 W631GG6KB/W631GU6KB package size change from 9x13x1.2(46nm) to 7.5x13x1.0(38nm), x16 W631GG6KS/W631GU6KS package size keep 7.5x13x1.0, x8 W631GG8KB/W631GU8KB package size change from 8x10.5x1.2(46nm) to 8x10.5x1.0(38nm), but the ball arrays are identical and pin to pin fully compatible, refer to attachment I)

Function : No Concern (The function is fully compatible between 46nm and 38nm, refer to attachment II)

Reliability : No Concern (The reliability test pass, refer to attachment III)

Hazardous Substances: No Concern (Please refer to attachment IV)

Qualification Plan/ Results :

Base on Winbond Reliability report, the new product meets Winbond criteria and no quality concern (refer to Attachment II in detail)

Implementation Plan :

The follow-up disposition of 46nm 128Mb x8 and 64Mb x16 1Gb DDR3/DDR3L:

- 1) The date of Last-buy orders for the 46nm 128Mb x8 and 64Mb x16 1Gb DDR3/DDR3L: Feb 1, 2018
- 2) The last shipment date of the 46nm 128Mb x8 and 64Mb x16 1Gb DDR3/DDR3L: May 1, 2018

Date Code: ____ onward Lot No: ____ onward Proposed first ship date: 11/01/2017

Originator: (QA)

Hyhuang

Approval: (QA Dept. Manager)

Ytt Chang

Approval: (QRA Director)

Genon Chen



**Contact for Questions
& Concerns**

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Customer Comments:

Note: Please sign this notice, and return to Winbond contact within 30 days. If no response is received within 30 days, this Change Request will be assumed to meet your approval.

Approval Disapproval Conditional Approval : _____.

Comment:

Date: _____

Dept. name: _____

Person in charge: _____



Table 1. The affected part no are list below.

W631GG6KB-11	W631GG6KB-18	W631GG8KB-12	W631GU6KB-12	W631GU6KS-15
W631GG6KB-12	W631GG6KS-12	W631GG8KB-15	W631GU6KB-15	W631GU8KB-12
W631GG6KB-15	W631GG8KB-11	W631GU6KB-11	W631GU6KS-12	W631GU8KB-15