



Product / Process Change Notice

No.: Z200-PCN-DM201709-01-A

Date: 09/04/2017

Change Title : 2Gb (256Mbx8 and 128Mbx16) 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 (46nm to 38nm) for 2Gb DDR3/DDR3L.

Reason for Change(s) :

According to Winbond product roadmap, launch new 2Gb DDR3/DDR3L with 38nm technology.

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

Form : No Change

Fit : Change (x16 package size change from 9x13x1.2(46nm) to 7.5x13x1.0(38nm). x8 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 :

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

Implementation Plan :

1. Product launch date of the 38nm 256Mb x8 and 128Mb x16 2Gb DDR3/ DDR3L: Sep 1, 2017
2. Proposed ship date of the 38nm 256Mb x8 and 128Mb x16 2Gb DDR3/DDR3L: Oct 1, 2017.
3. The follow-up disposition of 46nm 256Mb x8 and 128Mb x16 2Gb DDR3/DDR3L:
 - 3.1) The date of Last-buy orders for the 46nm 256Mb x8 and 128Mb x16 2Gb DDR3/DDR3L: Dec 1, 2017.
 - 3.2) The last shipment date of the 46nm 256Mb x8 and 128Mb x16 2Gb DDR3/DDR3L: Mar 1, 2018.

Date Code: _____ onward Lot No: 6634BZ8ALY1 onward Proposed first ship date: _____.



Table 1. The affected part no are list below.

W632GG6AB-12	W632GG6KB-12	W632GG8KB-12	W632GU6KB-11	W632GU8KB-12
W632GG6KB-09	W632GG6KB-15	W632GG8KB-15	W632GU6KB-12	W632GU8KB-15
W632GG6KB-11	W632GG8KB-11	W632GU6AB-12	W632GU6KB-15	