



Product / Process Change Notice

No.: Z200-PCN-DM202310-01-A

Date: October 27, 2023

Change Title : 4Gb (256Mb x16 and 512Mb x8) DDR3/ DDR3L technology migration from 25nm to 20nm.

Change Classification: ☒ Major ☐ Minor with customer notification ☐ Minor without customer notification
Change item : ☐ DataSheet ☒ Design ☐ Raw Material ☐ Wafer FAB ☐ Assembly ☐ Testing ☐ Packing ☐
Manufacture site ☐ Others

Affected Product(s) :

Please refer to Table 1 in details.

Description of Change(s)

Technology migration (25nm to 20nm) for 4Gb DDR3/DDR3L.

Reason for Change(s) :

According to Winbond product roadmap, launch new 4Gb DDR3/DDR3L with 20nm technology.

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

Form : No Change

Fit : Change (VFBGA96 PKG size shrink from 9x13MM to 7.5x13MM and VFBGA78 shrink from 9x10.5MM to 8x10.5MM, Please refer to attachment I)

Function : No Concern (Compatible between 25nm and 20nm , Please refer to attachment II)

Reliability : No Concern (Please 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 our criteria and no quality concern (refer to attachment III in details)

Implementation Plan :

The follow-up disposition of 25nm 256Mb x16 & 512Mb x8 DDR3:

1) The date of last-buy orders for 25nm 256Mb x16 & 512Mb x8 DDR3: Apr 28 ,2024

2) The last shipment date of 25nm 256Mb x16 & 512Mb x8 DDR3: Jul 31,2024

☐ Date Code: _____ onward ☐ Lot No: _____ onward ☒ Proposed first ship date: January 31, 2024

Originator:
(QA)

Hyhuang

Approval: (QA
Dept. Manager)

Michael

Approval:
(QRA Director)

John Ku

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.*

Major change: ☐ Approval ☐ Disapproval ☐ Conditional Approval : _____.

Minor change with customer notification: ☐ Recognition

Minor change without customer notification: ☐ Approval ☐ Disapproval

☐ Conditional Approval : _____

Comment:

Date: _____

Dept. name: _____

Person in charge: _____



Table 1. The affected part no is listed below.

W634GG6NB11I	W634GG6NB12J	W634GU6NB11J	W634GG8NB-11	W634GU8NB-11
W634GG6NB11J	W634GG6NB-15	W634GU6NB-12	W634GG8NB11I	W634GU8NB11I
W634GG6NB-09	W634GG6NB15I	W634GU6NB12I	W634GG8NB-12	W634GU8NB11J
W634GG6NB09I	W634GU6NB-09	W634GU6NB12J	W634GG8NB12I	W634GU8NB-12
W634GG6NB09J	W634GU6NB09I	W634GU6NB-15	W634GG8NB-15	W634GU8NB12I
W634GG6NB-11	W634GU6NB09J	W634GU6NB15I	W634GG8NB15I	W634GU8NB-15
W634GG6NB-12	W634GU6NB-11	W634GG8NB-09	W634GU8NB-09	W634GU8NB15I
W634GG6NB12I	W634GU6NB11I	W634GG8NB09I	W634GU8NB09I	