Advanced Product / Process Change Notice

No.: Z200-APCN-DM202404-02-P Date: April 16, 2024

Change Title : 2Gb (128Mb x16 and 256Mb 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 2Gb DDR3/DDR3L.

Reason for Change(s) :

According to Winbond product roadmap, a new 2Gb DDR3/DDR3L using the 20nm process was launched.

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

Form : No Change

Fit : No Change (Please refer to attachment I)

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

Reliability : On-going (The reliability report will be ready in Jun' 2024)

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

Qualification Plan/ Results :

The new sample has passed ESD, HBM 2KV, Latch-up 200mA and full qualification is in progress. The result is expected out on June 2024.

Implementation Plan :

The follow-up disposition of 25nm 128Mb x16 DDR3/DDR3L and 256Mb x8 DDR3/DDR3L:

1) The date of last-buy orders for the 25nm 128Mb x16 and 256Mb x8 DDR3/DDR3L: October 21, 2024.

2) The last shipment date of the 25nm 128Mb x16 and 256Mb x8 DDR3/DDR3L: January 20, 2025.

☐ Date Code: _____ onward ☐ Lot No: _____ onward ☑ Proposed first ship date: July 19, 2024

Originator: (QA)	Hyhuang	***Approval: (QA Dept. Manager)***		***Approval: (QRA Director)***	

Contact for Questions & Concerns	Name: Betty Huang TEL:886-3-5678168 (ext.76549) FAX: 886-3-5796124 Address : No. 8,Keya 1st Rd., Daya Dist., Central Taiwan Science Park, Taichung City 42881,Taiwan E-mail: Hyhuang8@winbond.com

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.

W632GG6NB-09	W632GG6NB-15	W632GU6NB11J	W632GG8NB09I	W632GU8NB09I
W632GG6NB09I	W632GG6NB15I	W632GU6NB-12	W632GG8NB-11	W632GU8NB-11
W632GG6NB09J	W632GG6NB15J	W632GU6NB12I	W632GG8NB11I	W632GU8NB11I
W632GG6NB-11	W632GU6NB-09	W632GU6NB12J	W632GG8NB-12	W632GU8NB11J
W632GG6NB11I	W632GU6NB09I	W632GU6NB-15	W632GG8NB12I	W632GU8NB-12
W632GG6NB11J	W632GU6NB09J	W632GU6NB15I	W632GG8NB-15	W632GU8NB12I
W632GG6NB-12	W632GU6NB-11	W632GU6NB15J	W632GG8NB15I	W632GU8NB-15
W632GG6NB12I	W632GU6NB11I	W632GG8NB-09	W632GU8NB-09	W632GU8NB15I
W632GG6NB12J				