



Advanced Product / Process Change Notice

No.: Z200-APCN-DM201911-01-P

Date: November 14, 2019

Change Title : 512Mb (64Mb x8 and 32Mb x16) DDR2 technology migration from 46nm to 25nm

Change Classification: Major Minor with customer notification Minor without customer notification

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

Affected Product(s) :

Please refer to Table 1 in details.

Description of Change(s) :

Technology migration (46nm to 25nm) for 512Mb DDR2.

Reason for Change(s) :

According to Winbond product roadmap, launch new 512Mb DDR2 with 25nm technology.

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

Form : No Change

Fit : Change (Both BGA84 and BGA60 thickness from 1.2 mm (46nm) to 1.0 mm (25 nm) and BGA60 PKG size shrink to 8x9.5 mm² .Refer to attachment I in details)

Function : No Concern (Compatible between 46nm and 25nm, refer to attachment II)

Reliability : On-going

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

Qualification Plan/ Results :

The new sample has passed ESD pass 2KV, latch-up pass 200mA and full qualification is in progress. The result is expected out on Dec'2019.

Implementation Plan :

The follow-up disposition of 46nm 64Mb x8 and 32Mb x16 DDR2:

1) The date of last-buy orders for the 46nm 64Mb x8 and 32Mb x16 DDR2: May 29, 2020.

2) The last shipment date of the 46nm 64Mb x8 and 32Mb x16 DDR2: August 31, 2020.

Date Code: ____ onward Lot No: ____ onward Proposed first ship date: March 02, 2020

Originator: (QA)

Hyhuang

Approval: (QA Dept. Manager)

YH Cheng

Approval: (QRA Director)

Simon Chen

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 are list below.

W9751G6KB-15	W9751G6KB-25	W9751G6KB25N	W9751G6KB-3K	W9751G8KB25A
W9751G6KB15I	W9751G6KB25A	W9751G6KB25W	W9751G8KB-18	W9751G8KB25I
W9751G6KB-18	W9751G6KB25I	W9751G6KB-3	W9751G8KB18I	W9751G8KB-3
W9751G6KB18I	W9751G6KB25J	W9751G6KB-3A	W9751G8KB-25	W9751G8KB-3I
W9751G6KB18K	W9751G6KB25K	W9751G6KB-3I		