



## Product / Process Change Notice

No.: Z200-PCN-DM202004-03-A

Date: April 28, 2020

**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) :**

W9751G6KB-15 , W9751G6KB15I , W9751G6KB-18 , W9751G6KB18I , W9751G6KB25I , W9751G6KB25J ,  
W9751G6KB-3I , W9751G8KB-18 , W9751G8KB18I , W9751G8KB-25 , W9751G8KB25I , W9751G8KB-3 ,  
W9751G8KB-3I , W9751G6KB-25 , W9751G6KB-3

**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 mm^2 .Refer to attachment I in details)

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

Reliability : No Concern (Please refer to attachment III)

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

**Qualification Plan/ Results :**

Base on Winbond EV data result, the new product meets our criteria and no quality concern(refer to attachment III in details)

**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: Nov 2, 2020.

2) The last shipment date of the 46nm 64Mb x8 and 32Mb x16 DDR2: Feb 1, 2021.

Date Code: \_\_\_\_\_ onward  Lot No: \_\_\_\_\_ onward  Proposed first ship date: August 03, 2020

**Originator:**  
(QA)

*Hyhuang*

**Approval: (QA  
Dept. Manager)**

*YH Chang*

**Approval:  
(QRA Director)**

*Chang Shu Cheng*



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

<b>Major change:</b> <input type="checkbox"/> Approval <input type="checkbox"/> Disapproval <input type="checkbox"/> Conditional Approval : _____
<b>Minor change with customer notification:</b> <input type="checkbox"/> Recognition
<b>Minor change without customer notification:</b> <input type="checkbox"/> Approval <input type="checkbox"/> Disapproval
<input type="checkbox"/> Conditional Approval : _____
Comment:
Date: _____
Dept. name: _____
Person in charge: _____