



Product / Process Change Notice

APCN No.: Z200-PCN-DM201401-01-A

Date : January 14, 2014

<p>Change Title : <u>W25Q80DV "D-Series" (90nm) to replace W25Q80BV "B-Series" (90nm) 8Mb SpiFlash® Memories</u></p> <p>Change Classification: <input checked="" type="checkbox"/> Major <input type="checkbox"/> Minor Change item: <input checked="" type="checkbox"/> Design <input type="checkbox"/> Raw Material <input type="checkbox"/> Wafer FAB <input type="checkbox"/> Package Assembly <input type="checkbox"/> Testing <input type="checkbox"/> Others : _____</p>																	
<p>Affected Product(s):</p> <p>90nm 8Mb "B-Series" SpiFlash memories: W25Q80BVSNIQ, W25Q80BVSSIG, W25Q80BVSVIG, WQ25Q80BVZPIG</p>																	
<p>Description of Change(s) :</p> <p>To provide function-compatible 8M devices offering improved performance, features and availability under same process technology generation.</p>																	
<p>Reason for Change(s) :</p> <p>1) Improve Features and Performance (see below)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">Features</td> <td style="width: 50%; border: none;">Benefits</td> </tr> <tr> <td style="border: none;">a) Up to 104MHz Clock at 3.3V</td> <td style="border: none;">> Better system performance and timing margin</td> </tr> <tr> <td style="border: none;">b) Low power consumption: Active current from 4mA to 1mA</td> <td style="border: none;">> Provides drop-in replacement capability for seamless transitions</td> </tr> <tr> <td style="border: none;">c) Standby current from 25uA to 10uA</td> <td></td> </tr> <tr> <td style="border: none;">d) Fully backward compatible with W25Q80BV</td> <td></td> </tr> <tr> <td style="border: none;">e) Fast Write (tpp=400uS)</td> <td></td> </tr> </table>						Features	Benefits	a) Up to 104MHz Clock at 3.3V	> Better system performance and timing margin	b) Low power consumption: Active current from 4mA to 1mA	> Provides drop-in replacement capability for seamless transitions	c) Standby current from 25uA to 10uA		d) Fully backward compatible with W25Q80BV		e) Fast Write (tpp=400uS)	
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<p>Impact of Change(s) : (positive & negative)</p> <p>Form: No Change Fit: No Change Function: No system change Reliability: No concern (please refer to Attachment I) Hazardous Substances: No concern (please refer to Attachment II)</p>																	
<p>Qualification Plan/ Results :</p> <p>Based on Winbond W25Q80DV Serial Flash Reliability report, the new product meets our criteria and no quality concern (refer to Attachment I in details)</p>																	
<p>Implementation Plan :</p> <p><input type="checkbox"/> Date Code : _____ onward <input type="checkbox"/> Lot No.: _____ onward <input checked="" type="checkbox"/> Proposed first ship date: <u>Refer to Attachment 3</u></p>																	
Originator:(QA Sec. Manager)	<i>YH Cheng</i>	Responsible: (QA Dept. Manager)	<i>YH Cheng</i>	Approval:(QRA Director)	<i>Yu-Sung, cheng</i>												
Contact for Questions & Concerns		Name: <u>Hannah Cheng</u> TEL: <u>886-3-5678168</u> (ext.6553) FAX: <u>886-3-5796124</u> Address : <u># 539, Sec. 2, Wenxing Rd., Jhubei City, Hsinchu County 302, Taiwan</u> E-mail: <u>yhcheng2@winbond.com</u>															



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.

Approval Disapproval Conditional Approval : _____.

Date: _____

Dept. name: _____

Person in charge: _____.



Table 1 The impact product list: Primary Winbond replacement part numbers for 90nm W25Q80 B-Series products are listed below. These devices offer the best future availability.

Winbond Current PN (90nm B-Series)	Winbond Primary Replacement PN (90nm D-Series)
W25Q80BVSSIG	W25Q80DVSSIG
W25Q80BVSNIG	W25Q80DVSNIG
W25Q80BVSVIG	W25Q80DVSVIG
W25Q80BVZPIG	W25Q80DVZPIG