



INTEGRATED SILICON SOLUTION, INC.

Product Change Notification

Date: July 14, 2016

Change Notification No. 1Gb-LPDDR2-D-Final

To: Valued Customers

From: ISSI (Integrated Silicon Solution, Inc.)
1623 Buckeye Dr.
Milpitas, CA. 95035
USA

Affected Part Numbers: IS43LD32320A, IS46LD32320A, IS43LD16640A, IS46LD16640A

New Part Numbers: IS43LD32320C, IS46LD32320C, IS43LD16640C, IS46LD16640C

Description of Change: The affected 1Gbit LPDDR2 DRAMs listed above are transitioning from a 63nm process technology to a 38nm process technology. The fab remains at Powerchip Semiconductor Corporation in Hsinchu City, Taiwan. The newer DRAMs are backward-compatible with the same in fit, form, and function as the old part. The part numbers change.

Rationale for Change:

The recommended replacements are more efficient in power consumption, and able to reach a higher clock frequency. In order to assure the high-quality and availability of this 1Gbit LPDDR2 DRAM for many years to come, ISSI strongly recommends that customers approve the recommended product(s) that use the 38nm process technology.

Schedule:

New Part Sample Status:	Now
New Part Production Status:	October 1, 2016
Change Validation Test Data:	Now
Last Time Buy Date (Old product):	September 30, 2016
Last Time Ship Date (Old product):	December 31, 2016

Contact: ISSI DRAM Marketing Team
E-mail: DRAM@issi.com
Ph : 1.408.969.6600

(Part list on next page)

PCN.FM Rev C



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Affected Part Numbers	New Part Numbers
IS46LD32320A-3BLA2	IS46LD32320C-25BLA2
IS46LD32320A-25BLA1	IS46LD32320C-25BLA1
IS46LD32320A-25BLA2	IS46LD32320C-25BLA2
IS46LD16640A-25BLA2	IS46LD16640C-25BLA2
IS43LD32320A-3BL	IS43LD32320C-25BL
IS43LD32320A-3BLI	IS43LD32320C-25BLI
IS43LD32320A-25BL	IS43LD32320C-25BL
IS43LD32320A-25BLI	IS43LD32320C-25BLI
IS43LD16640A-3BL	IS43LD16640C-25BL
IS43LD16640A-3BLI	IS43LD16640C-25BLI
IS43LD16640A-25BL	IS43LD16640C-25BL
IS43LD16640A-25BLI	IS43LD16640C-25BLI
IS46LD32320A-3BPLA1	IS46LD32320C-25BPLA1
IS46LD32320A-3BPLA2	IS46LD32320C-25BPLA2
IS46LD32320A-3BPLA25	IS46LD32320C-25BPLA25
IS46LD32320A-3BLA2-TR	IS46LD32320C-25BLA2-TR
IS46LD32320A-25BLA1-TR	IS46LD32320C-25BLA1-TR
IS46LD32320A-25BLA2-TR	IS46LD32320C-25BLA2-TR
IS46LD16640A-25BLA2-TR	IS46LD16640C-25BLA2-TR
IS43LD32320A-3BL-TR	IS43LD32320C-25BL-TR
IS43LD32320A-3BLI-TR	IS43LD32320C-25BLI-TR
IS43LD32320A-25BL-TR	IS43LD32320C-25BL-TR
IS43LD32320A-25BLI-TR	IS43LD32320C-25BLI-TR
IS43LD16640A-3BL-TR	IS43LD16640C-25BL-TR
IS43LD16640A-3BLI-TR	IS43LD16640C-25BLI-TR
IS43LD16640A-25BL-TR	IS43LD16640C-25BL-TR
IS43LD16640A-25BLI-TR	IS43LD16640C-25BLI-TR
IS46LD32320A-3BPLA1-TR	IS46LD32320C-25BPLA1-TR
IS46LD32320A-3BPLA2-TR	IS46LD32320C-25BPLA2-TR
IS46LD32320A-3BPLA25-TR	IS46LD32320C-25BPLA25-TR

Notes:

1. This list may not be exclusive; any part number beginning with IS43LD32320A, IS46LD32320A, IS43LD16640A, and IS46LD16640A is affected.
2. Part numbers beginning as above, and ending with -TR are also affected similarly.