



INTEGRATED SILICON SOLUTION, INC.

### Product Change Notification

**Date:** September 15, 2015 **Change Notification No.** 16Mb-256Mb(x32)-512Mb-Auto2015

**To:** ISSI Valued Customers

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

Affected Part Numbers	New Part Numbers
IS45S16100E	IS45S16100H
IS45S16100F	IS45S16100H
IS45S32800D	IS45S32800J
IS45S86400B	IS45S86400F
IS45S16320B	IS45S16320F
IS45S32160B	IS45S32160F
<i>See detailed list on next page</i>	

**Description of Change:** The affected 16Mb, 256Mb, and 512Mb SDRAMs listed above are transitioning from their fab location at Vanguard International Semiconductor in Taoyuan, Taiwan to Powerchip Semiconductor Corporation in Hsinchu City, Taiwan. The affected parts used 110nm process technology, except for IS45S16100F, which used 99nm. The new parts use 63nm process technology, and are backward-compatible with the same in fit, form, and function as the old parts.

**Rationale for Change:**

The affected products have been in production at ISSI for over 5 years. ISSI continues to develop and support its 3.3V SDRAM product line long-term. In order to assure the high-quality and availability of the 16Mb, 256Mb, and 512Mb SDRAMs for many years to come, ISSI strongly recommends that customers use the new product(s).

**Schedule:**

<b>New Part Status:</b>	Mass Production
<b>Change Validation Test Data:</b>	Available Now
<b>Last Time Buy Date (Old product):</b>	September 30, 2016
<b>Last Time Ship Date (Old product):</b>	December 30, 2016



INTEGRATED SILICON SOLUTION, INC.

Affected Part Numbers	New Part Numbers
IS45S16100E-7BLA1	IS45S16100H-7BLA1
IS45S16100E-7BLA2	IS45S16100H-7BLA2
IS45S16100E-7TLA1	IS45S16100H-7TLA1
IS45S16100E-7TLA2	IS45S16100H-7TLA2
IS45S16100F-5BLA1	IS45S16100H-5BLA1
IS45S16100F-7TLA1	IS45S16100H-7TLA1
IS45S16320B-7TLA1	IS45S16320F-7TLA1
IS45S32160B-6TLA1	IS45S32160F-6TLA1
IS45S32160B-7BLA2	IS45S32160F-7BLA2
IS45S32160B-7TLA1	IS45S32160F-7TLA1
IS45S32160B-7TLA2	IS45S32160F-7TLA2
IS45S32800D-6TLA1	IS45S32800J-6TLA1
IS45S32800D-7BLA1	IS45S32800J-7BLA1
IS45S32800D-7BLA2	IS45S32800J-7BLA2
IS45S32800D-7TLA1	IS45S32800J-7TLA1
IS45S16100E-7BLA1-TR	IS45S16100H-7BLA1-TR
IS45S16100E-7BLA2-TR	IS45S16100H-7BLA2-TR
IS45S16100E-7TLA1-TR	IS45S16100H-7TLA1-TR
IS45S16100E-7TLA2-TR	IS45S16100H-7TLA2-TR
IS45S16100F-5BLA1-TR	IS45S16100H-5BLA1-TR
IS45S16100F-7TLA1-TR	IS45S16100H-7TLA1-TR
IS45S16320B-7TLA1-TR	IS45S16320F-7TLA1-TR
IS45S32160B-6TLA1-TR	IS45S32160F-6TLA1-TR
IS45S32160B-7BLA2-TR	IS45S32160F-7BLA2-TR
IS45S32160B-7TLA1-TR	IS45S32160F-7TLA1-TR
IS45S32160B-7TLA2-TR	IS45S32160F-7TLA2-TR
IS45S32800D-6TLA1-TR	IS45S32800J-6TLA1-TR
IS45S32800D-7BLA1-TR	IS45S32800J-7BLA1-TR
IS45S32800D-7BLA2-TR	IS45S32800J-7BLA2-TR
IS45S32800D-7TLA1-TR	IS45S32800J-7TLA1-TR

Note:  
1. The list may not be exclusive; all potential part number endings are affected.

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