



## Product Change Notification

**Date:** May 20, 2020

**Change Notification No.** 30nm DDR3 PCN-G

**To:** Valued Customer

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

Affected ISSI P/N	Recommended Replacement ISSI P/N
IS43TR16640B	IS43TR16640C
IS43TR16640BL	IS43TR16640CL
IS43TR81280B	IS43TR81280C
IS43TR81280BL	IS43TR81280CL
IS46TR16640B	IS46TR16640C
IS46TR16640BL	IS46TR16640CL
IS46TR81280B	IS46TR81280C
IS46TR81280BL	IS46TR81280CL
IS43TR16128B	IS43TR16128D
IS43TR16128BL	IS43TR16128DL
IS43TR82560B	IS43TR82560D
IS43TR82560BL	IS43TR82560DL
IS46TR16128B	IS46TR16128D
IS46TR16128BL	IS46TR16128DL
IS46TR82560B	IS46TR82560D
IS46TR82560BL	IS46TR82560DL
IS43TR16256A	IS43TR16256B
IS43TR16256AL	IS43TR16256BL
IS43TR85120A	IS43TR85120B
IS43TR85120AL	IS43TR85120BL
IS46TR16256A	IS46TR16256B
IS46TR16256AL	IS46TR16256BL
IS46TR85120A	IS46TR85120B
IS46TR85120AL	IS46TR85120BL
IS43TR16512A	IS43TR16512S2DL
IS43TR16512AL	IS43TR16512S2DL
IS46TR16512A	IS46TR16512S2DL
IS46TR16512AL	IS46TR16512S2DL

Note: This notification applies to all part numbers in the affected list. For detailed part list, refer to Appendix A



## Product Change Notification

**Description of Change:** The 1Gb, 2Gb, 4Gb, and 8Gb DDR3 DRAM are changing to a smaller process technology and fab. Each replacement part has the same form, fit and function as the comparable affected part. The process changes from 30nm at the Nanya fab to 25nm at the Powerchip fab. ISSI has been in production with this 30nm-based generation of DDR3 since Q1 2013.

**Rationale for Change:**

The affected products are phasing out because ISSI's fab partner, Nanya Technology Corp., has decided to phase out the 30nm process technology. In addition, ISSI would like to transition to the smaller 25nm technology node at the Powerchip fab to assure the capacity and long-term product availability of ISSI's DDR3 DRAMs. ISSI plans to support this process technology for at least 8 years.

**Schedule:**

<b>New Part Status:</b>	Mass Production since 2018
<b>Change Validation Test Data:</b>	Completed; Available Now
<b>Affected part Last-Time-Buy Date (LTB):</b>	November 30, 2020
<b>Affected part Last-Time-Shipdate (LTS):</b>	May 31, 2021

**Notes:**

1. Recommended Replacement part endings that contain -125 are backward compatible with slower timings associated with -15 in the affected part number list. Recommended Replacement part endings that contain -107 are backward compatible with slower timings associated with -15 and -125 in the affected part number list.
2. The "L" in a part number like "IS43TR16128DL" or "IS43TR82560DL" (for example) indicates support for an operating voltage of both 1.35V and 1.5V. A part number like "IS43TR16128D" or "IS43TR82560D" indicates support for an operating voltage of only 1.5V. IS43TR16128DL and IS43TR82560DL are backward compatible with IS43TR16128B and IS43TR82560B, respectively.
3. Please contact your authorized ISSI distributor, or ISSI sales office, if you have any question or feedback.

**Marketing:** Chuck McLaren  
**Phone #** 1-408-969-4660  
**E-mail:** [DRAM@issi.com](mailto:DRAM@issi.com)

**Appendix A:** Detailed part number list follows *(continued)*



Appendix A: Detailed Part Number List

Affected Part Number	Recommended Replacement Part Number
IS43TR16128B-093NBL	IS43TR16128D-093NBL
IS43TR16128B-093NBLI	IS43TR16128D-093NBLI
IS43TR16128B-093NBLI-TR	IS43TR16128D-093NBLI-TR
IS43TR16128B-093NBL-TR	IS43TR16128D-093NBL-TR
IS43TR16128B-107MBLI	IS43TR16128D-107MBLI
IS43TR16128B-107MBLI-TR	IS43TR16128D-107MBLI-TR
IS43TR16128B-125KBL	IS43TR16128D-125KBL
IS43TR16128B-125KBLI	IS43TR16128D-125KBLI
IS43TR16128B-125KBLI-TR	IS43TR16128D-125KBLI-TR
IS43TR16128B-125KBL-TR	IS43TR16128D-125KBL-TR
IS43TR16128B-15HBL	IS43TR16128D-125KBL
IS43TR16128B-15HBLI	IS43TR16128D-125KBLI
IS43TR16128B-15HBLI-TR	IS43TR16128D-125KBLI-TR
IS43TR16128B-15HBL-TR	IS43TR16128D-125KBL-TR
IS43TR16128BL-107MBLI	IS43TR16128DL-107MBLI
IS43TR16128BL-107MBLI-TR	IS43TR16128DL-107MBLI-TR
IS43TR16128BL-125KBL	IS43TR16128DL-125KBL
IS43TR16128BL-125KBLI	IS43TR16128DL-125KBLI
IS43TR16128BL-125KBLI-TR	IS43TR16128DL-125KBLI-TR
IS43TR16128BL-125KBL-TR	IS43TR16128DL-125KBL-TR
IS43TR16128BL-15HBL	IS43TR16128DL-125KBL
IS43TR16128BL-15HBLI	IS43TR16128DL-125KBLI
IS43TR16128BL-15HBLI-TR	IS43TR16128DL-125KBLI-TR
IS43TR16128BL-15HBL-TR	IS43TR16128DL-125KBL-TR
IS43TR16256A-093NBL	IS43TR16256B-093NBL
IS43TR16256A-093NBLI	IS43TR16256B-093NBLI
IS43TR16256A-093NBLI-TR	IS43TR16256B-093NBLI-TR
IS43TR16256A-093NBL-TR	IS43TR16256B-093NBL-TR
IS43TR16256A-107MBL	IS43TR16256BL-107MBL
IS43TR16256A-107MBLI	IS43TR16256B-107MBLI
IS43TR16256A-107MBLI-TR	IS43TR16256B-107MBLI-TR
IS43TR16256A-107MBL-TR	IS43TR16256BL-107MBL-TR
IS43TR16256A-125KBL	IS43TR16256B-125KBL
IS43TR16256A-125KBLI	IS43TR16256B-125KBLI
IS43TR16256A-125KBLI-TR	IS43TR16256B-125KBLI-TR
IS43TR16256A-125KBL-TR	IS43TR16256B-125KBL-TR
IS43TR16256A-15HBL	IS43TR16256B-125KBL
IS43TR16256A-15HBLI	IS43TR16256B-125KBLI

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Affected Part Number	Recommended Replacement Part Number
IS43TR16256A-15HBLI-TR	IS43TR16256B-125KBLI-TR
IS43TR16256A-15HBL-TR	IS43TR16256B-125KBL-TR
IS43TR16256AL-107MBL	IS43TR16256BL-107MBL
IS43TR16256AL-107MBLI	IS43TR16256BL-107MBLI
IS43TR16256AL-107MBLI-TR	IS43TR16256BL-107MBLI-TR
IS43TR16256AL-107MBL-TR	IS43TR16256BL-107MBL-TR
IS43TR16256AL-125KBL	IS43TR16256BL-125KBL
IS43TR16256AL-125KBLI	IS43TR16256BL-125KBLI
IS43TR16256AL-125KBLI-TR	IS43TR16256BL-125KBLI-TR
IS43TR16256AL-125KBL-TR	IS43TR16256BL-125KBL-TR
IS43TR16256AL-15HBL	IS43TR16256BL-125KBL
IS43TR16256AL-15HBLI	IS43TR16256BL-125KBLI
IS43TR16256AL-15HBLI-TR	IS43TR16256BL-125KBLI-TR
IS43TR16256AL-15HBL-TR	IS43TR16256BL-125KBL-TR
IS43TR16512A-125KBL	IS43TR16512S2DL-125KBL
IS43TR16512A-125KBLI	IS43TR16512S2DL-125KBLI
IS43TR16512A-125KBLI-TR	IS43TR16512S2DL-125KBLI-TR
IS43TR16512A-125KBL-TR	IS43TR16512S2DL-125KBL-TR
IS43TR16512A-15HBL	IS43TR16512S2DL-125KBL
IS43TR16512A-15HBLI	IS43TR16512S2DL-125KBLI
IS43TR16512A-15HBLI-TR	IS43TR16512S2DL-125KBLI-TR
IS43TR16512A-15HBL-TR	IS43TR16512S2DL-125KBL-TR
IS43TR16512AL-107MBL	Contact ISSI
IS43TR16512AL-107MBLI	Contact ISSI
IS43TR16512AL-107MBLI-TR	Contact ISSI
IS43TR16512AL-107MBL-TR	Contact ISSI
IS43TR16512AL-125KBL	IS43TR16512S2DL-125KBL
IS43TR16512AL-125KBLI	IS43TR16512S2DL-125KBLI
IS43TR16512AL-125KBLI-TR	IS43TR16512S2DL-125KBLI-TR
IS43TR16512AL-125KBL-TR	IS43TR16512S2DL-125KBL-TR
IS43TR16512AL-15HBLI	IS43TR16512S2DL-125KBLI
IS43TR16512AL-15HBLI-TR	IS43TR16512S2DL-125KBLI-TR
IS43TR16640B-093NBL	Contact ISSI
IS43TR16640B-093NBL-TR	Contact ISSI
IS43TR16640B-107MBL	IS43TR16640CL-107MBL
IS43TR16640B-107MBLI	IS43TR16640CL-107MBLI
IS43TR16640B-107MBLI-TR	IS43TR16640CL-107MBLI-TR
IS43TR16640B-107MBL-TR	IS43TR16640CL-107MBL-TR



Appendix A: Detailed Part Number List

Affected Part Number	Recommended Replacement Part Number
IS43TR16640B-125JBL	IS43TR16640C-125JBL
IS43TR16640B-125JBLI	IS43TR16640C-125JBLI
IS43TR16640B-125JBLI-TR	IS43TR16640C-125JBLI-TR
IS43TR16640B-125JBL-TR	IS43TR16640C-125JBL-TR
IS43TR16640B-125KBL	IS43TR16640C-125JBL
IS43TR16640B-125KBLI	IS43TR16640C-125JBLI
IS43TR16640B-125KBLI-TR	IS43TR16640C-125JBLI-TR
IS43TR16640B-125KBL-TR	IS43TR16640C-125JBL-TR
IS43TR16640B-15GBL	IS43TR16640C-125JBL
IS43TR16640B-15GBLI	IS43TR16640C-125JBLI
IS43TR16640B-15GBLI-TR	IS43TR16640C-125JBLI-TR
IS43TR16640B-15GBL-TR	IS43TR16640C-125JBL-TR
IS43TR16640BL-107MBL	IS43TR16640CL-107MBL
IS43TR16640BL-107MBLI	IS43TR16640CL-107MBLI
IS43TR16640BL-107MBLI-TR	IS43TR16640CL-107MBLI-TR
IS43TR16640BL-107MBL-TR	IS43TR16640CL-107MBL-TR
IS43TR16640BL-125JBL	IS43TR16640CL-125JBL
IS43TR16640BL-125JBLI	IS43TR16640CL-125JBLI
IS43TR16640BL-125JBLI-TR	IS43TR16640CL-125JBLI-TR
IS43TR16640BL-125JBL-TR	IS43TR16640CL-125JBL-TR
IS43TR16640BL-125KBL	IS43TR16640CL-125JBL
IS43TR16640BL-125KBLI	IS43TR16640CL-125JBLI
IS43TR16640BL-125KBLI-TR	IS43TR16640CL-125JBLI-TR
IS43TR16640BL-125KBL-TR	IS43TR16640CL-125JBL-TR
IS43TR81280B-125JBL	IS43TR81280CL-125JBL
IS43TR81280B-125JBLI	IS43TR81280CL-125JBLI
IS43TR81280B-125JBLI-TR	IS43TR81280CL-125JBLI-TR
IS43TR81280B-125JBL-TR	IS43TR81280CL-125JBL-TR
IS43TR81280B-125KBL	IS43TR81280CL-125JBL
IS43TR81280B-125KBLI	IS43TR81280CL-125JBLI
IS43TR81280B-125KBLI-TR	IS43TR81280CL-125JBLI-TR
IS43TR81280B-125KBL-TR	IS43TR81280CL-125JBL-TR
IS43TR81280B-15GBL	IS43TR81280CL-125JBL
IS43TR81280B-15GBLI	IS43TR81280CL-125JBLI
IS43TR81280B-15GBLI-TR	IS43TR81280CL-125JBLI-TR
IS43TR81280B-15GBL-TR	IS43TR81280CL-125JBL-TR
IS43TR81280BL-107MBL	IS43TR81280CL-107MBL
IS43TR81280BL-107MBLI	IS43TR81280CL-107MBLI
IS43TR81280BL-107MBLI-TR	IS43TR81280CL-107MBLI-TR
IS43TR81280BL-107MBL-TR	IS43TR81280CL-107MBL-TR

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Affected Part Number	Recommended Replacement Part Number
IS43TR81280BL-125JBL	IS43TR81280CL-125JBL
IS43TR81280BL-125JBLI	IS43TR81280CL-125JBLI
IS43TR81280BL-125JBLI-TR	IS43TR81280CL-125JBLI-TR
IS43TR81280BL-125JBL-TR	IS43TR81280CL-125JBL-TR
IS43TR82560B-125KBL	IS43TR82560DL-125KBL
IS43TR82560B-125KBLI	IS43TR82560DL-125KBLI
IS43TR82560B-125KBLI-TR	IS43TR82560DL-125KBLI-TR
IS43TR82560B-125KBL-TR	IS43TR82560DL-125KBL-TR
IS43TR82560B-15HBL	IS43TR82560DL-125KBL
IS43TR82560B-15HBLI	IS43TR82560DL-125KBLI
IS43TR82560B-15HBLI-TR	IS43TR82560DL-125KBLI-TR
IS43TR82560B-15HBL-TR	IS43TR82560DL-125KBL-TR
IS43TR82560BL-125KBL	IS43TR82560DL-125KBL
IS43TR82560BL-125KBLI	IS43TR82560DL-125KBLI
IS43TR82560BL-125KBLI-TR	IS43TR82560DL-125KBLI-TR
IS43TR82560BL-125KBL-TR	IS43TR82560DL-125KBL-TR
IS43TR85120A-093NBL	Contact ISSI
IS43TR85120A-093NB LI	Contact ISSI
IS43TR85120A-093NB LI-TR	Contact ISSI
IS43TR85120A-093NBL-TR	Contact ISSI
IS43TR85120A-107MBL	IS43TR85120BL-107MBL
IS43TR85120A-107MBL-TR	IS43TR85120BL-107MBL-TR
IS43TR85120A-125KBL	IS43TR85120BL-125KBL
IS43TR85120A-125KBLI	IS43TR85120BL-125KBLI
IS43TR85120A-125KBLI-TR	IS43TR85120BL-125KBLI-TR
IS43TR85120A-125KBL-TR	IS43TR85120BL-125KBL-TR
IS43TR85120AL-107MBL	IS43TR85120BL-107MBL
IS43TR85120AL-107MBLI	IS43TR85120BL-107MBLI
IS43TR85120AL-107MBLI-TR	IS43TR85120BL-107MBLI-TR
IS43TR85120AL-107MBL-TR	IS43TR85120BL-107MBL-TR
IS43TR85120AL-125KBL	IS43TR85120BL-125KBL
IS43TR85120AL-125KBLI	IS43TR85120BL-125KBLI
IS43TR85120AL-125KBLI-TR	IS43TR85120BL-125KBLI-TR
IS43TR85120AL-125KBL-TR	IS43TR85120BL-125KBL-TR
IS46TR16128B-125KBLA1	IS46TR16128D-125KBLA1
IS46TR16128B-125KBLA1-TR	IS46TR16128D-125KBLA1-TR
IS46TR16128B-125KBLA2	IS46TR16128D-125KBLA2
IS46TR16128B-125KBLA25	IS46TR16128DL-125KBLA25



Appendix A: Detailed Part Number List

Affected Part Number	Recommended Replacement Part Number
IS46TR16128B-125KBLA25-TR	IS46TR16128DL-125KBLA25-TR
IS46TR16128B-125KBLA2-TR	IS46TR16128D-125KBLA2-TR
IS46TR16128B-15HBLA1	IS46TR16128D-125KBLA1
IS46TR16128B-15HBLA1-TR	IS46TR16128D-125KBLA1-TR
IS46TR16128B-15HBLA2	IS46TR16128D-125KBLA2
IS46TR16128B-15HBLA2-TR	IS46TR16128D-125KBLA2-TR
IS46TR16128BL-125KBLA1	IS46TR16128DL-125KBLA1
IS46TR16128BL-125KBLA1-TR	IS46TR16128DL-125KBLA1-TR
IS46TR16128BL-125KBLA2	IS46TR16128DL-125KBLA2
IS46TR16128BL-125KBLA2-TR	IS46TR16128DL-125KBLA2-TR
IS46TR16128BL-15HBLA1	IS46TR16128DL-125KBLA1
IS46TR16128BL-15HBLA1-TR	IS46TR16128DL-125KBLA1-TR
IS46TR16128BL-15HBLA2	IS46TR16128DL-125KBLA2
IS46TR16128BL-15HBLA2-TR	IS46TR16128DL-125KBLA2-TR
IS46TR16256A-125KBLA1	IS46TR16256B-125KBLA1
IS46TR16256A-125KBLA1-TR	IS46TR16256B-125KBLA1-TR
IS46TR16256A-125KBLA2	IS46TR16256B-125KBLA2
IS46TR16256A-125KBLA2-TR	IS46TR16256B-125KBLA2-TR
IS46TR16256A-15HBLA1	IS46TR16256B-125KBLA1
IS46TR16256A-15HBLA1-TR	IS46TR16256B-125KBLA1-TR
IS46TR16256A-15HBLA2	IS46TR16256B-125KBLA2
IS46TR16256A-15HBLA2-TR	IS46TR16256B-125KBLA2-TR
IS46TR16256AL-107MBLA2	IS46TR16256BL-107MBLA2
IS46TR16256AL-107MBLA2-TR	IS46TR16256BL-107MBLA2-TR
IS46TR16256AL-125KBLA1	IS46TR16256BL-125KBLA1
IS46TR16256AL-125KBLA1-TR	IS46TR16256BL-125KBLA1-TR
IS46TR16256AL-125KBLA2	IS46TR16256BL-125KBLA2
IS46TR16256AL-125KBLA25	IS46TR16256BL-107MBLA3
IS46TR16256AL-125KBLA25-TR	IS46TR16256BL-107MBLA3-TR
IS46TR16256AL-125KBLA2-TR	IS46TR16256BL-125KBLA2-TR
IS46TR16256AL-15HBLA2	IS46TR16256BL-125KBLA2
IS46TR16256AL-15HBLA2-TR	IS46TR16256BL-125KBLA2-TR
IS46TR16512A-125KBLA2	IS46TR16512S2DL-125KBLA2
IS46TR16512A-125KBLA2-TR	IS46TR16512S2DL-125KBLA2-TR
IS46TR16512A-15HBLA1	IS46TR16512S2DL-125KBLA1
IS46TR16512A-15HBLA1-TR	IS46TR16512S2DL-125KBLA1-TR
IS46TR16512AL-125KBLA2	IS46TR16512S2DL-125KBLA2
IS46TR16512AL-125KBLA2-TR	IS46TR16512S2DL-125KBLA2-TR

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Affected Part Number	Recommended Replacement Part Number
IS46TR16512AL-15HBLA2	IS46TR16512S2DL-125KBLA2
IS46TR16512AL-15HBLA2-TR	IS46TR16512S2DL-125KBLA2-TR
IS46TR16640B-107MBLA1	IS46TR16640CL-107MBLA1
IS46TR16640B-107MBLA1-TR	IS46TR16640CL-107MBLA1-TR
IS46TR16640B-107MBLA2	IS46TR16640CL-107MBLA2
IS46TR16640B-107MBLA2-TR	IS46TR16640CL-107MBLA2-TR
IS46TR16640B-125JBLA1	IS46TR16640C-125JBLA1
IS46TR16640B-125JBLA1-TR	IS46TR16640C-125JBLA1-TR
IS46TR16640B-125JBLA2	IS46TR16640C-125JBLA2
IS46TR16640B-125JBLA25	IS46TR16640C-125JBLA25
IS46TR16640B-125JBLA25-TR	IS46TR16640C-125JBLA25-TR
IS46TR16640B-125JBLA2-TR	IS46TR16640C-125JBLA2-TR
IS46TR16640B-125KBLA3	IS46TR16640CL-107MBLA3
IS46TR16640B-125KBLA3-TR	IS46TR16640CL-107MBLA3-TR
IS46TR16640B-15GBLA1	IS46TR16640C-125JBLA1
IS46TR16640B-15GBLA1-TR	IS46TR16640C-125JBLA1-TR
IS46TR16640B-15GBLA2	IS46TR16640C-125JBLA2
IS46TR16640B-15GBLA25	IS46TR16640C-125JBLA25
IS46TR16640B-15GBLA25-TR	IS46TR16640C-125JBLA25-TR
IS46TR16640B-15GBLA2-TR	IS46TR16640C-125JBLA2-TR
IS46TR16640BL-107MBLA1	IS46TR16640CL-107MBLA1
IS46TR16640BL-107MBLA1-TR	IS46TR16640CL-107MBLA1-TR
IS46TR16640BL-107MBLA2	IS46TR16640CL-107MBLA2
IS46TR16640BL-107MBLA2-TR	IS46TR16640CL-107MBLA2-TR
IS46TR16640BL-125JBLA1	IS46TR16640CL-125JBLA1
IS46TR16640BL-125JBLA1-TR	IS46TR16640CL-125JBLA1-TR
IS46TR16640BL-125JBLA2	IS46TR16640CL-125JBLA2
IS46TR16640BL-125JBLA25	IS46TR16640CL-125JBLA25
IS46TR16640BL-125JBLA25-TR	IS46TR16640CL-125JBLA25-TR
IS46TR16640BL-125JBLA2-TR	IS46TR16640CL-125JBLA2-TR
IS46TR16640BL-125KBLA1	IS46TR16640CL-125JBLA1
IS46TR16640BL-125KBLA1-TR	IS46TR16640CL-125JBLA1-TR
IS46TR16640BL-125KBLA2	IS46TR16640CL-125JBLA2
IS46TR16640BL-125KBLA2-TR	IS46TR16640CL-125JBLA2-TR
IS46TR16640BL-125KBLA3	IS46TR16640CL-107MBLA3
IS46TR16640BL-125KBLA3-TR	IS46TR16640CL-107MBLA3-TR
IS46TR81280B-125JBLA25	IS46TR81280C-125JBLA25
IS46TR81280B-125JBLA25-TR	IS46TR81280C-125JBLA25-TR



**Appendix A: Detailed Part Number List**

<b>Affected Part Number</b>	<b>Recommended Replacement Part Number</b>
IS46TR81280B-15GBLA2	IS46TR81280CL-125JBLA2
IS46TR81280B-15GBLA2-TR	IS46TR81280CL-125JBLA2-TR
IS46TR81280BL-125JBLA2	IS46TR81280CL-125JBLA2
IS46TR81280BL-125JBLA2-TR	IS46TR81280CL-125JBLA2-TR
IS46TR82560B-15HBLA2	IS46TR82560DL-125KBLA2
IS46TR82560B-15HBLA2-TR	IS46TR82560DL-125KBLA2-TR
IS46TR85120A-125KBLA2	IS46TR85120BL-125KBLA2
IS46TR85120A-125KBLA2-TR	IS46TR85120BL-125KBLA2-TR
IS46TR85120AL-107MBLA2	IS46TR85120BL-107MBLA2
IS46TR85120AL-107MBLA2-TR	IS46TR85120BL-107MBLA2-TR
IS46TR85120AL-125KBLA1	IS46TR85120BL-125KBLA1
IS46TR85120AL-125KBLA1-TR	IS46TR85120BL-125KBLA1-TR
IS46TR85120AL-125KBLA2	IS46TR85120BL-125KBLA2