



Integrated Device Technology, Inc.  
6024 Silver Creek Valley Road, San Jose, CA 95138

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> F1308-01 <b>Product Affected:</b> TSI721-16GIL TSI721-16GCLY TSI721-16GILY <b>Date Effective:</b> <b>January 1, 2014</b>	<b>DATE:</b> <b>October 1, 2013</b>	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input checked="" type="checkbox"/> Product Mark      Changed in orderable part# <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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<b>Contact:</b> IDT PCN DESK  <b>E-mail:</b> <a href="mailto:pcndesk@idt.com">pcndesk@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Samples:</b> Contact your local sales representative for sample and datasheet requests.
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**DESCRIPTION AND PURPOSE OF CHANGE:**

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| <input type="checkbox"/> Die Technology<br><input type="checkbox"/> Wafer Fabrication Process<br><input type="checkbox"/> Assembly Process<br><input type="checkbox"/> Equipment<br><input type="checkbox"/> Material<br><input type="checkbox"/> Testing<br><input type="checkbox"/> Manufacturing Site<br><input type="checkbox"/> Data Sheet<br><input checked="" type="checkbox"/> Other - Die Revision Change | <p>This notification is to advise our customers that IDT has qualified a new die revision to address the device errata. The device die revision will change from Rev A0 to Rev A1.</p> <p>There will be change in ordering part number and device top mark. There is no change to die technology/process. The new die revision is fully hardware and software compatible with the previous revision.</p> <p>Please see attachment for details.</p> |
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**RELIABILITY/QUALIFICATION SUMMARY:**

There is no change in die technology/process.

**CUSTOMER ACKNOWLEDGMENT OF RECEIPT:**

IDT records indicate that you require written notification of this change. Please use the acknowledgement below or E-Mail to grant approval or request additional information. If IDT does not receive acknowledgement within 30 days of this notice it will be assumed that this change is acceptable.

IDT reserves the right to ship either version manufactured after the process change effective date until the inventory on the earlier version has been depleted.

Customer: _____	<input type="checkbox"/> <i>Approval for shipments prior to effective date.</i>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone # /Fax #: _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

**IDT ACKNOWLEDGMENT OF RECEIPT:**

RECD. BY: \_\_\_\_\_ DATE: \_\_\_\_\_



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN #: F1308-01

**PCN Type:** Die Revision Change

**Data Sheet Change:** No

**Detail of Change:**

This notification is to advise our customers that IDT has qualified a new die revision to address the device errata. The device die revision will change from Rev A0 to Rev A1.

There will be change in the ordering part number and device top mark. There is no change to die technology/process. The new die revision is fully hardware and software compatible with the previous revision.

The new die revision will address the known errata item as shown in Table 1.

**Table 1**

Errata Item	Effectuated Devices	"A0" Revision	"A1" Revision
RapidIO line loopback does not support arbitrary data	All	Random 10b data cannot be looped back by the RapidIO port	Fixed
PCIe MSIXTBL and MSIXPBA incorrect default values	All	Software will not configure MSI-X interrupt table functionality correctly	Fixed
BDMA response timeouts cause a resource leak	All	The BDMA will stall and cause a network failure	Fixed

*Note: please refer to the device errata document for full detail.*

**Table 2**

Old Ordering Part Number	New Ordering Part Number
TSI721-16GIL	TSI721A1-16GIL
TSI721-16GCLY	TSI721A1-16GCLY
TSI721-16GILY	TSI721A1-16GILY