



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> N1307-01 <b>Product Affected:</b> 8T49N205 Refer to attachment I  <b>Date Effective:</b> November 15, 2013	<b>Date:</b> August 15, 2013	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input checked="" type="checkbox"/> Product Mark    Change in ordering part# <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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<b>Contact:</b> TSD Clock Team <b>E-mail:</b> <a href="mailto:clocks@idt.com">clocks@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <b>Samples:</b> Samples are available now.
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**DESCRIPTION AND PURPOSE OF CHANGE:**

<input type="checkbox"/> Die Technology <input type="checkbox"/> Wafer Fabrication Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input checked="" type="checkbox"/> Other - Die Revision Change	<p>This notification is to advise our customers that IDT has made a change to the Loss-of-signal indication circuit to correct the improper behavior of loss-of-signal when the device is in phase-build out operation in low-bandwidth mode. This will ensure the correct operation of the device under all data sheet specified modes. IDT will be discontinuing the 8T49N205-dddNLGI/8T49N205-dddNLGI8 and is asking customers to switch to 8T49N205A-dddNLGI/8T49N205A-dddNLGI8. (For the specific -ddd order, refer to FemtoClock NG universal Frequency Translator Ordering Information Document).</p> <p>There will be a change in ordering part number and device top mark.</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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### ATTACHMENT I - PCN #: N1307-01

**PCN Type:** Die Revision Change

**Data Sheet Change:** Yes

**Detail of Change:** This notification is to advise our customers that IDT has made a change to the Loss-of-signal indication circuit to correct the improper behavior of loss-of-signal when the device is in phase-build out operation in low-bandwidth mode. This will ensure the correct operation of the device under all data sheet specified modes. IDT will be discontinuing the 8T49N205-dddNLGI/8T49N205-dddNLGI8 and is asking customers to switch to 8T49N205A-dddNLGI/8T49N205A-dddNLGI8.  
(For the specific –ddd order, refer to FemtoClock NG universal Frequency Translator Ordering Information Document).

There will be a change in ordering part number and device top mark.

There is no change in die technology or process.

**Table 1**

Old Ordering Part Number	New Ordering Part Number
8T49N205-000NLGI	8T49N205A-000NLGI
8T49N205-000NLGI8	8T49N205A-000NLGI8
8T49N205-001NLGI	8T49N205A-001NLGI
8T49N205-001NLGI8	8T49N205A-001NLGI8
8T49N205-002NLGI	8T49N205A-002NLGI
8T49N205-002NLGI8	8T49N205A-002NLGI8
8T49N205-003NLGI	8T49N205A-003NLGI
8T49N205-003NLGI8	8T49N205A-003NLGI8
8T49N205-004NLGI	8T49N205A-004NLGI
8T49N205-004NLGI8	8T49N205A-004NLGI8
8T49N205-005NLGI	8T49N205A-005NLGI
8T49N205-005NLGI8	8T49N205A-005NLGI8
8T49N205-006NLGI	8T49N205A-006NLGI
8T49N205-006NLGI8	8T49N205A-006NLGI8
8T49N205-007NLGI	8T49N205A-007NLGI
8T49N205-007NLGI8	8T49N205A-007NLGI8
8T49N205-009NLGI	8T49N205A-009NLGI
8T49N205-009NLGI8	8T49N205A-009NLGI8
8T49N205-999NLGI	8T49N205A-999NLGI
8T49N205-999NLGI8	8T49N205A-999NLGI8
8T49N205NLGI	8T49N205ANLGI
8T49N205NLGI8	8T49N205ANLGI8



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### ATTACHMENT I - PCN #: N1307-01

**Qualification Test Plan and Result:**

Qualification Plan #: QNC-12-03  
Qual Vehicle: 8T49N205ANLGI

Test Description	Test Method (Latest specs in effect)	Test Results (SS / Rej)
ESD: Human Body Model @ 2000V	JESD22-A115	3/0
ESD: Charged Device Model @ 500V	JESD22-C101	3/0
Latch-up	JESD78	6/0
Electrical Characterization	Per Datasheet	5/0