



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>N1811-01</b> Date: December 3, 2018 Product Affected:    8V41N012NLGI 8V41N012NLGI8  Date Effective:    January 3, 2019	<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
---	---

Contact:            IDT MPG/TPD Operation	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E-mail: <a href="mailto:clocks@idt.com">clocks@idt.com</a>	Samples:    Samples are available now.

**DESCRIPTION AND PURPOSE OF CHANGE:**

- |   |  |
|---|--|
| <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 checked="" type="checkbox"/> Data Sheet<br><input checked="" type="checkbox"/> Other - Design Change | <p>This notice is to advise customers that IDT has made a minor metal layer change to optimize VCO band at Power on due to the power-on reset circuit that is used does not delay the beginning of the calibration routine. As a result, the calibration algorithm begins before the internal regulators and/or VCO is settled, and can result in an inaccurate calibration result.</p> <p>There is no change to the die/package technology or manufacturing.</p> <p>The orderable part numbers will be changed. IDT request customers to switch to the new part numbers at the earliest convenient.</p> |
|---|--|

**RELIABILITY/QUALIFICATION SUMMARY:**

Qualification and characterization have been successfully completed. 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: \_\_\_\_\_



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT 1 - PCN #: N1811-01

**PCN Type:** Design change

**Data Sheet Change:** New datasheet for new orderable part numbers

**Detail of Change:** This notice is to advise customers that IDT has made a minor circuit change to optimize VCO band at Power on due to the power-on reset circuit that is used does not delay the beginning of the calibration routine. As a result, the calibration algorithm begins before the internal regulators and/or VCO is settled, and can result in an inaccurate calibration result.

There is no change to the die/package technology or manufacturing.

The orderable part numbers will be changed. IDT request customers to switch to the new part numbers at the earliest convenient.

**Table 1: Changes in Orderable Part#**

Old Ordering Part Number	New Ordering Part Number
8V41N012NLGI	8V41N012ANLGI
8V41N012NLGI8	8V41N012ANLGI8

**Qualification Test Plan and Result:**

Qual Vehicle: 8V41N012ANLGI  
Qual Plan: P18-10-009

Test Description	Test Method (Latest specs in effect)	Test Results (SS / Rej)
ESD: Human Body Model @ 2000V	JS-001	3/0
ESD: Charged Device Model @ 1000V	JESD22-C101	3/0
Latch-up	JESD78	6/0