



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **N1807-02** Date: August 9, 2018
 Product Affected: 8T49N1083 FemtoClockNG Adjustable
 (8T49N1083NLGI, 8T49N1083NLGI8, 8T49N1083NLGI#)

MEANS OF DISTINGUISHING CHANGED DEVICES:

- Product Mark YB die step on mark
- Back Mark
- Date Code
- Other

Date Effective: September 9, 2018

Contact: Peter Jenkins

Attachment: Yes No

E-mail: peter.jenkins@idt.com

Samples: Samples are available now.

DESCRIPTION AND PURPOSE OF CHANGE:

- Die Technology This notice is to advise our customers that a quality improvement was made to the select part numbers.
- Wafer Fabrication Process
- Assembly Process
- Equipment There is no change to the orderable part number or datasheet specifications.
- Material
- Testing The change resolves a timing marginality within the feedback divider circuitry where under failing conditions the fractional feedback divider would temporarily latch an incorrect value.
- Manufacturing Site
- Data Sheet
- Other - Die Revision Change The current version of this device will be discontinued as of the effective date on this notice. For further information please contact your local IDT sales and distribution channels.

RELIABILITY/QUALIFICATION SUMMARY:

There is no change in the die technology or process technology of this device. There is no change to AC or DC performance of this device. Quality of this device across temperature and voltage has been improved. The design improvement has been extensively validated through both ATE and bench testing.

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. The earlier version will be discontinued after the effective date.

Customer: _____ **Approval for shipments prior to effective date.**
 Name/Date: _____ E-Mail Address: _____
 Title: _____ Phone # /Fax #: _____

CUSTOMER COMMENTS: _____

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: _____ DATE: _____