



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: N1807-01	Date: July 16, 2018	MEANS OF DISTINGUISHING CHANGED DEVICES:
Product Affected: 8T49N240-xxx FemtoClockNG Universal 8T49N242-xxx FemtoClockNG Universal (Refer Attachment I for the affected part#)		☒ Product Mark YR die step on mark for 8T49N240-xxx ☐ Back Mark YC die step on mark for 8T49N242-xxx ☐ Date Code ☐ Other
Date Effective: August 16, 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 part numbers as listed in Attachment I. |
| ☐ 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: _____



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ATTACHMENT I - PCN # : N1807-01

Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
8T49N242-030NLGI	8T49N240-998NLGI	8T49N240-018NLGI8	8T49N240-043NLGI#
8T49N242-016NLGI8	8T49N242-993NLGI8	8T49N240-018NLGI	8T49N240-043NLGI
8T49N242-016NLGI	8T49N242-993NLGI	8T49N240-017NLGI8	8T49N240-042NLGI8
8T49N242-015NLGI8	8T49N242-630NLGI8	8T49N240-017NLGI	8T49N240-042NLGI
8T49N242-015NLGI	8T49N242-630NLGI	8T49N240-015NLGI8	8T49N240-041NLGI8
8T49N242-014NLGI8	8T49N242-629NLGI8	8T49N240-015NLGI	8T49N240-041NLGI
8T49N242-014NLGI	8T49N242-629NLGI	8T49N240-013NLGI8	8T49N240-039NLGI8
8T49N242-013NLGI8	8T49N242-628NLGI8	8T49N240-013NLGI#	8T49N240-039NLGI
8T49N242-013NLGI	8T49N242-628NLGI	8T49N240-019NLGI8	8T49N240-038NLGI8
8T49N242-011NLGI8	8T49N242-627NLGI8	8T49N240-020NLGI	8T49N240-043NLGI8
8T49N242-017NLGI	8T49N242-997NLGI	8T49N240-020NLGI8	8T49N240-045NLGI
8T49N242-017NLGI8	8T49N242-997NLGI8	8T49N240-025NLGI	8T49N240-045NLGI#
8T49N242-024NLGI	8T49N242-998NLGI	8T49N240-024NLGI8	8T49N240-994NLGI8
8T49N242-029NLGI8	8T49N242-999NLGI8	8T49N240-024NLGI	8T49N240-994NLGI
8T49N242-029NLGI	8T49N242-999NLGI#	8T49N240-023NLGI8	8T49N240-991NLGI8
8T49N242-028NLGI8	8T49N242-999NLGI	8T49N240-023NLGI	8T49N240-991NLGI
8T49N242-028NLGI	8T49N242-998NLGI8	8T49N240-022NLGI8	8T49N240-990NLGI8
8T49N242-027NLGI8	8T49N242-998NLGI#	8T49N240-022NLGI	8T49N240-990NLGI
8T49N242-027NLGI	8T49N242-627NLGI	8T49N240-021NLGI8	8T49N240-984NLGI8
8T49N242-025NLGI8	8T49N242-625NLGI8	8T49N240-021NLGI	8T49N240-984NLGI
8T49N242-025NLGI	8T49N242-607NLGI	8T49N240-013NLGI	8T49N240-045NLGI8
8T49N242-024NLGI8	8T49N242-503NLGI8	8T49N240-012NLGI8	8T49N240-038NLGI
8T49N242-011NLGI	8T49N242-503NLGI	8T49N240-005NLGI	8T49N240-036NLGI8
8T49N242-010NLGI8	8T49N242-502NLGI8	8T49N240-004NLGI8	8T49N240-030NLGI8
8T49N242-002NLGI	8T49N242-502NLGI	8T49N240-004NLGI#	8T49N240-030NLGI
8T49N242-001NLGI8	8T49N242-501NLGI8	8T49N240-004NLGI	8T49N240-029NLGI8
8T49N242-001NLGI	8T49N242-501NLGI	8T49N240-003NLGI8	8T49N240-029NLGI
8T49N240NLGI8	8T49N242-032NLGI8	8T49N240-003NLGI	8T49N240-028NLGI8
8T49N240NLGI	8T49N242-032NLGI	8T49N240-002NLGI8	8T49N240-028NLGI
8T49N240-EVK	8T49N242-607NLGI8	8T49N240-002NLGI	8T49N240-027NLGI8
8T49N240-DEMONLGI8	8T49N242-610NLGI	8T49N240-001NLGI8	8T49N240-027NLGI
8T49N240-DEMONLGI	8T49N242-610NLGI8	8T49N240-005NLGI8	8T49N240-026NLGI8
8T49N240-998NLGI8	8T49N242-625NLGI	8T49N240-006NLGI	8T49N240-031NLGI
8T49N242-002NLGI8	8T49N242-621NLGI8	8T49N240-006NLGI8	8T49N240-031NLGI8
8T49N242-004NLGI	8T49N242-621NLGI	8T49N240-012NLGI	8T49N240-032NLGI
8T49N242-004NLGI8	8T49N242-620NLGI8	8T49N240-011NLGI8	8T49N240-036NLGI
8T49N242-010NLGI	8T49N242-620NLGI	8T49N240-011NLGI	8T49N240-035NLGI8
8T49N242-009NLGI8	8T49N242-617NLGI8	8T49N240-010NLGI8	8T49N240-035NLGI
8T49N242-009NLGI	8T49N242-617NLGI	8T49N240-010NLGI	8T49N240-034NLGI8
8T49N242-008NLGI8	8T49N242-614NLGI8	8T49N240-009NLGI8	8T49N240-034NLGI
8T49N242-008NLGI	8T49N242-614NLGI	8T49N240-009NLGI	8T49N240-033NLGI8
8T49N242-007NLGI8	8T49N242-030NLGI8	8T49N240-007NLGI8	8T49N240-033NLGI#
8T49N242-007NLGI	8T49N240-997NLGI8	8T49N240-007NLGI	8T49N240-033NLGI
8T49N242-006NLGI8	8T49N240-025NLGI8	8T49N240-001NLGI	8T49N240-032NLGI8
8T49N242-006NLGI	8T49N240-019NLGI	8T49N240-997NLGI	8T49N240-026NLGI