



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: TB1701-02      DATE: February 9, 2017  
 Product Affected: F2250, F2255, F2258 products. Refer to the attached list for orderable part numbers  
 Date Effective: May 9, 2017

MEANS OF DISTINGUISHING CHANGED DEVICES:  
 Product Mark  
 Back Mark  
 Date Code  
 Other      Assembly Lot Number

Contact: IDT PCN DESK  
 E-mail: [pcndesk@idt.com](mailto:pcndesk@idt.com)

Attachment:  Yes       No  
 Samples: Please contact your local sales representative for sample request.

**DESCRIPTION AND PURPOSE OF CHANGE:**

- Die Technology
- Wafer Fabrication Process      Datasheet limit change for Idd supply current, and Ictrl, Vmode leakage currents per Table 1.
- Assembly Process      The is no change to the die/package technology or manufacturing.
- Equipment
- Material      The purpose of the change is for yield improvement.
- Testing
- Manufacturing Site
- Data Sheet
- Other - Die revision

**RELIABILITY/QUALIFICATION SUMMARY:**

There is no change to the product quality or reliability performance.

**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.

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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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN #: TB1701-02

**PCN Type:** Datasheet change

**Data Sheet Change:** Yes

**Detail of Change:**

Production testing of F2250, F2255, F2258 is experiencing low yield. Adjustments to datasheet limits is required to improve yield.

There is no change to the die/package technology or manufacturing. The change in datasheet is shown in Table 1. The Datasheet revision with changes to the limits is available on request.

**Table 1: Changes in Datasheet Limits**

Device F2250	Existing Limits	New Limits
<b>Datasheet Limits</b>	Ictrl Min -0.1uA Max 10uA Imode Min -0.1uA Max 24uA Idd Min 0.9mA Max 1.4mA	Ictrl Min no change Max 14uA Imode Min no change Max 38uA Idd Min 0.5mA Max 2mA
Device F2255	Existing Limits	New Limits
<b>Datasheet Limits</b>	Ictrl Min -1.0uA Max 10uA Imode Min -1.0uA Max 24uA Idd Min 0.8mA Max 1.5mA	Ictrl Min no change Max 14uA Imode Min no change Max 38uA Idd Min 0.5mA Max 2mA
Device F2258	Existing Limits	New Limits
<b>Datasheet Limits</b>	Ictrl Min -1.0uA Max 10uA Idd Min 0.9mA Max 1.4mA	Ictrl Min no change Max 14uA Idd Min 0.5mA Max 2mA



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: TB1701-02

Part Number	Part Number	Part Number	Part Number
F2250NLGI	F2250NLGK8	F2255NLGK	F2258NLGI8
F2250NLGI8	F2255NLGI	F2255NLGK8	F2258NLGK
F2250NLGK	F2255NLGI8	F2258NLGI	F2258NLGK8