**PRODUCT/PROCESS CHANGE NOTICE (PCN)**

<table>
<thead>
<tr>
<th>PCN #: TB1701-02</th>
<th>DATE: February 9, 2017</th>
<th>MEANS OF DISTINGUISHING CHANGED DEVICES:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Affected: F2250, F2255, F2258 products. Refer to the attached list for orderable part numbers</td>
<td>Date Effective: May 9, 2017</td>
<td>☐ Product Mark</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☐ Back Mark</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☐ Date Code</td>
</tr>
<tr>
<td></td>
<td></td>
<td>☐ Other Assembly Lot Number</td>
</tr>
<tr>
<td>Contact: IDT PCN DESK</td>
<td>E-mail: <a href="mailto:pcndesk@idt.com">pcndesk@idt.com</a></td>
<td>Attachment: Yes ☐ No</td>
</tr>
<tr>
<td>Date Effective: May 9, 2017</td>
<td>Samples: Please contact your local sales representative for sample request.</td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION AND PURPOSE OF CHANGE:**
- ☐ Die Technology
- ☐ Wafer Fabrication Process
- ☐ Assembly Process
- ☐ Equipment
- ☐ Material
- ☐ Testing
- ☐ Manufacturing Site
- ☐ Data Sheet
- ☐ Other - Die revision

Datasheet limit change for Idd supply current, and Ictrl, Vmode leakage currents per Table 1.

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

The purpose of the change is for yield improvement.

**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: __________________________
## 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

<table>
<thead>
<tr>
<th>Device F2250</th>
<th>Existing Limits</th>
<th>New Limits</th>
</tr>
</thead>
</table>
| **Datasheet Limits** | 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 |

<table>
<thead>
<tr>
<th>Device F2255</th>
<th>Existing Limits</th>
<th>New Limits</th>
</tr>
</thead>
</table>
| **Datasheet Limits** | 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 |

<table>
<thead>
<tr>
<th>Device F2258</th>
<th>Existing Limits</th>
<th>New Limits</th>
</tr>
</thead>
</table>
| **Datasheet Limits** | 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 |
### ATTACHMENT II - PCN #: TB1701-02

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Part Number</th>
<th>Part Number</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>F2250NLGI</td>
<td>F2250NLGK8</td>
<td>F2255NLGK</td>
<td>F2258NLGI8</td>
</tr>
<tr>
<td>F2250NLGI8</td>
<td>F2255NLGI</td>
<td>F2255NLGK8</td>
<td>F2258NLGK</td>
</tr>
<tr>
<td>F2250NLGK</td>
<td>F2255NLGI8</td>
<td>F2258NLGI</td>
<td>F2258NLGK8</td>
</tr>
</tbody>
</table>