



Integrated Device Technology, Inc.  
2975 Stender Way, Santa Clara, CA - 95054

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

|   |                  |   |
|---|------------------|---|
| PCN #: <b>A-0412-04</b><br>Product Affected: All Green Products<br><br>Date Effective: 1/3/2005 | DATE: 12/15/2004 | MEANS OF DISTINGUISHING CHANGED DEVICES:<br><input type="checkbox"/> Product Mark<br><input type="checkbox"/> Back Mark<br><input type="checkbox"/> Date Code<br><input checked="" type="checkbox"/> Other Barcode label / 2nd level interconnect label |
|---|------------------|---|

|  |   |
|--|---|
| Contact: Geoffrey Cortes<br>Title: Corporate QA / Reliability Manager<br>Phone #: (408) 492- 8321<br>Fax #: (408) 727-2328<br>E-mail: <a href="mailto:Geoffrey.Cortes@idt.com">Geoffrey.Cortes@idt.com</a> | Attachment:: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Samples: See attachment |
|--|---|

**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 type="checkbox"/> Data Sheet<br><input checked="" type="checkbox"/> Other | <p>In order to comply to JEDEC standard (JESD97) Pb-free identification requirements, IDT will integrate Pb-free identification requirements to existing IDT standard bar code labels (refer to attachment 1). An additional Pb-free identification label (2nd Level Interconnect - refer to attachment 2) will be applied for customer specific bar code labels. Please see attachments for additional details.</p> <p>Refer to PCN # A-0310-01 &lt;<a href="http://www1.idt.com/pcms/getDoc.taf?docID=10119">http://www1.idt.com/pcms/getDoc.taf?docID=10119</a>&gt; for green product details.</p> |
|--|---|

**RELIABILITY/QUALIFICATION SUMMARY:**  
N/A

**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: \_\_\_\_\_



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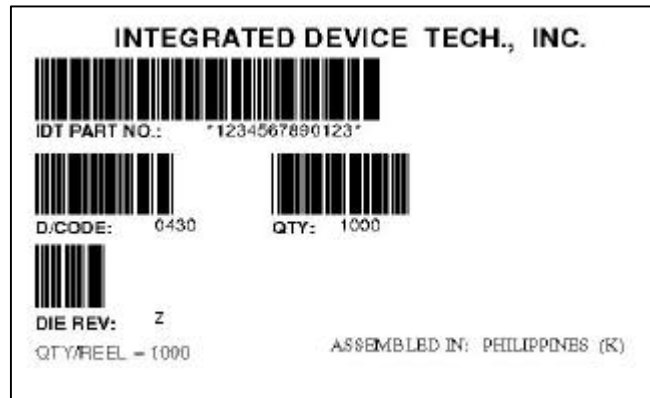
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### ATTACHMENT - PCN #: A-0412-04

#### Attachment 1: (IDT standard bar code label)

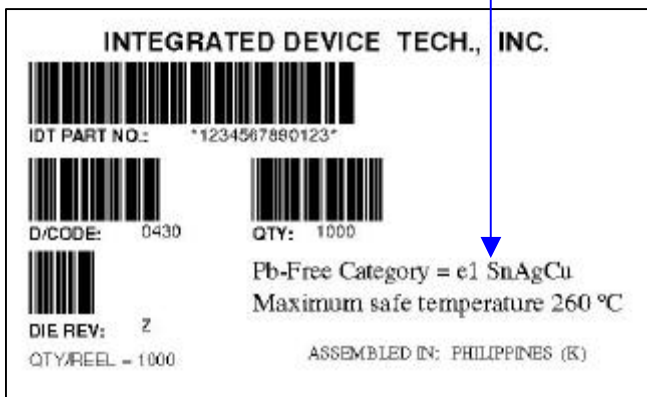
Add Pb-free words, category and maximum safe operating temperature to IDT standard bar code label.

#### Before Change (example)

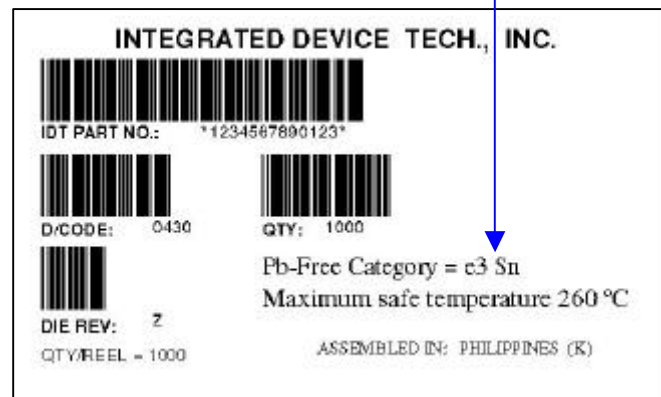


#### After Change (example)

Pb-free category = e1 SnAgCu (BGA packages)  
and maximum safe temperature



Pb-free category = e3 Sn (lead frame packages)  
and maximum safe temperature





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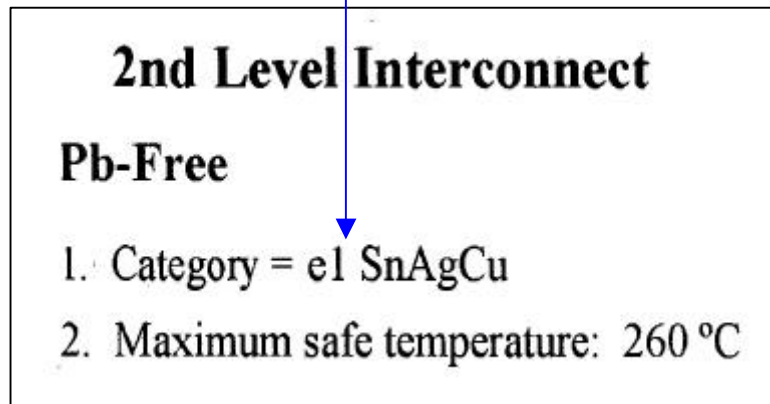
### ATTACHMENT - PCN #: A-0412-04

#### Attachment 2: (Customer specific)

Add an additional 2nd Level Interconnect label consisting of Pb-free words, category and maximum safe operating temperature.

- Notes: (1) Customer-requested special marking and graphics will not change  
(2) Customer specific shipping labels will not change.

Category = e1 SnAgCu (BGA packages)



Category = e3 Sn (lead frame packages)

