



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **TB1703-01**      DATE: **May 8, 2017**  
Product Affected: **Selective part# of PLCC-52**  
(Refer to Attachment II for affected part#)  
Date Effective: **August 8, 2017**

### MEANS OF DISTINGUISHING CHANGED DEVICES:

- ☐ Product Mark  
☐ Back Mark  
☐ Date Code  
☒ Other
- Lot shipments will have Level 3  
Moisture Sensitive Label.

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

Attachment: ☒ Yes      ☐ No  
Samples: N/A

### DESCRIPTION AND PURPOSE OF CHANGE:

- ☐ Die Technology  
☐ Wafer Fabrication Process  
☐ Assembly Process  
☐ Equipment  
☐ Material  
☐ Testing  
☐ Manufacturing Site  
☒ Data Sheet  
☐ Other

This notification is to advise our customers that IDT is converting moisture sensitivity classification to MSL 3.

Attachment I is the list of the affected products.

The affected products will be shipped with dry pack and labeled as MSL 3 according to JEDEC J-STD-020. There is no change to the assembly material sets and the peak reflow temperature. Refer to Attachment I for the examples of moisture sensitive labels.

### RELIABILITY/QUALIFICATION SUMMARY:

Moisture sensitive classification qual report is available on request.

### 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: \_\_\_\_\_

☐ **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 #: TB1703-01

**PCN Type:** Change in Moisture Sensitivity Level

**Data Sheet Change:** There is change in Moisture Sensitive Level (MSL) from 1 to 3.

**Detail of Change:** This notification is to advise our customers that IDT is converting moisture sensitivity classification to MSL 3.

The affected products will be shipped with dry pack and labeled as MSL 3 according to JEDEC J-STD-020. There is no change to the assembly material sets and the peak reflow temperature. Refer to examples of moisture sensitive labels as shown below.

#### From: MSL 1 Non-Moisture Sensitive Label

|                                                                                                                                                                                                                         |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>NOT MOISTURE SENSITIVE</b>                                                                                                                                                                                           | <b>LEVEL</b><br><b>1</b> |
| These Devices do not require special storage conditions provided:                                                                                                                                                       |                          |
| <ol style="list-style-type: none"><li>1. They are maintained at conditions equal to or less than 30°C/85 % RH, and</li><li>2. They are solder reflowed at a peak body temperature which does not exceed 225°C</li></ol> |                          |
| Note: Level and body temperature defined by IPC/JEDEC J-STD-020.                                                                                                                                                        |                          |
|                                                                                                                                      |                          |

#### To: MSL 3 Moisture Sensitive Label

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                          |                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>CAUTION</b><br>This Bag Contains<br><b>MOISTURE-SENSITIVE DEVICES</b> | <b>LEVEL</b><br><b>3</b> |
| <ol style="list-style-type: none"><li>1. Calculated shelf life in sealed bag:<br/>12 months at &lt; 40°C and &lt; 90% relative humidity (RH)</li><li>2. Peak package body temperature: 225°C</li><li>3. After bag is opened, devices that will be subjected to reflow solder or other high temperature process must<ol style="list-style-type: none"><li>a) Mounted within 168hours of factory condition &lt;=30°C/60% RH,</li><li>or b) Stored per J-STD-033</li></ol></li><li>4. Devices required bake, before mounting if:<ol style="list-style-type: none"><li>a) Humidity indicator card reads &gt;10% for level 2a-5a devices or &gt;60% for level 2 devices when read at 23 +/-5 deg C</li><li>b) 3a or 3b are not met</li></ol></li><li>5. If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure</li></ol> |                                                                          |                          |
| Bag Seal Date: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                          |                          |
| Note: Level and body temperature defined by IPC/JEDEC J-STD-020.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                          |                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                          |                          |

**Note: There is no change to the peak reflow temperature of the affected products.**



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: TB1703-01

#### Affected Part Numbers

| Part Number | Part Number   | Part Number | Part Number      |
|-------------|---------------|-------------|------------------|
| 7134SA70J8  | 7134LA25JI    | 71V321L25J  | 7142LA100J       |
| 7140LA25JI  | 7134LA25J8    | 71V321L25J8 | 7142LA100J8      |
| 7140LA25J8  | 71342SA55J8   | 71V321L25JI | 7142LA20J        |
| 7140LA35J   | 71342SA25JI   | 71V321L25J8 | 7142LA20J8       |
| 7140LA35J8  | 71342SA25J8   | 71V321L35J  | 7142LA25J        |
| 7140LA35JI  | 71342SA35J    | 71V321L35J8 | 7142LA25J8       |
| 7140LA55J   | 71342SA35J8   | 7142SA35J8  | 7142LA25JI       |
| 7140LA55J8  | 71342SA35JI   | 7142SA35J   | 7142LA25J8       |
| 7140LA55JI  | 71342SA35J8   | 7142SA100J  | 7142LA35J        |
| 7140LA25J8  | 71342SA45J    | 7142SA100J8 | 7142LA35J8       |
| 7140LA25J   | 71342SA45J8   | 7142SA20J   | 71421SA55JI      |
| 7134SA70JI  | 71342SA55J    | 7142SA20J8  | 71421SA55J8      |
| 7134SA70J8  | 7134LA35J     | 7142SA25J   | 71421SA25J       |
| 7140LA100J  | 7134LA35J8    | 7142SA25J8  | 71421SA25J8      |
| 7140LA100J8 | 7134LA35JI    | 7142SA25JI  | 71421SA35J       |
| 7140LA20J   | 7134SA25J8    | 7142SA25J8  | 71421SA35J8      |
| 7140LA20J8  | 7134SA25JI    | 71V321S35J  | 71421SA35JI      |
| 7140SA25J8  | 7134SA25J8    | 71V321S35J8 | 71421SA35J8      |
| 7140SA35J   | 7134SA35J     | 71V321S55J  | 71421SA55J       |
| 7140SA35J8  | 7134SA35J8    | 71V321S55J8 | 71342SA25J       |
| 7140SA35JI  | 7134SA45J     | 71V321S25J8 | 7130LA35J8       |
| 7140SA35J8  | 7134SA45J8    | 71V321L55J  | 7130SA100J       |
| 7140SA55J   | 7134SA45JI    | 71V321L55J8 | 7130SA100J/2839  |
| 7140SA55J8  | 7134SA45J8    | 71V321L55JI | 7130SA100J8      |
| 7140SA25JI  | 7134SA55J     | 71V321L55J8 | 7130SA100J8/2231 |
| 7140SA25J8  | 7134SA55J8    | 71V321S25J  | 7130SA100JI      |
| 7140SA100J  | 7134SA55JI    | 7142LA55J   | 7130SA100J8      |
| 7140SA100J8 | 7134SA25J     | 7140SA70J8  | 7130SA20J        |
| 7140SA20J   | 7134LA35J8    | 71421LA35JI | 7130LA55J        |
| 7140SA20J8  | 7134LA45J     | 71421LA35J8 | 7130LA55J/2930   |
| 7140SA25J   | 7134LA45J8    | 71421LA55J  | 7130LA55J8       |
| 7134SA70J   | 7134LA55J     | 71421LA55J8 | 7130LA55J8/2930  |
| 71342SA25J8 | 7134LA55J8    | 71421LA55JI | 7130LA55JI       |
| 71342SA55JI | 7134LA70J     | 71421LA55J8 | 7130LA55J8       |
| 71342SA55J8 | 7134LA70J8    | 71421LA35J8 | 7130SA20J8       |
| 71342SA70J  | 7134LA70J8/LT | 71421LA35J  | 7130SA55J8/C     |
| 71342SA70J8 | 7134LA70JI    | 71421LA20J  | 7130SA55J8/LT    |
| 71342SA70JI | 7134LA70J8    | 71421LA20J8 | 7130SA55JI       |
| 71342SA70J8 | 7134SA20J     | 71421LA25J  | 7130SA55J8       |
| 7134LA20J   | 7134SA20J8    | 71421LA25J8 | 7130SA70J        |
| 7134LA20J8  | 7134SA55J8    | 71421LA25JI | 7130SA70JI       |
| 7134LA20JI  | 7140SA70JI    | 71421LA25J8 | 7130SA70J8       |
| 7134LA20J8  | 7142LA55J8    | 71421SA20J  | 7130SA55J8/2594  |
| 7134LA25J   | 7142SA55J     | 71421SA20J8 | 7130SA55J8       |
| 7134LA25J8  | 7142SA55J8    | 71421SA55J8 | 7130SA25J        |



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#### Affected Part Numbers

| Part Number    | Part Number     | Part Number     | Part Number  |
|----------------|-----------------|-----------------|--------------|
| 7130SA25J8     | 70125S55J       | 7132SA20J       | 71321LA45JI8 |
| 7130SA25JI     | 70125S55J8      | 7132SA55J       | 71321LA20J8  |
| 7130SA35J      | 7130LA20J       | 7132SA55J8      | 71321LA25J   |
| 7130SA35J8     | 7130LA20J8      | 7132SA55JI      | 71321LA25J8  |
| 7130SA35JI     | 7130LA25J       | 71342LA45J      | 71321LA25JI  |
| 7130SA35JI8    | 7130LA25J8      | 71342LA45J8     | 71321LA25JI8 |
| 7130SA45JI     | 7130LA25JI      | 71342LA45JI     | 71321LA35J   |
| 7130SA45JI8    | 7130LA25JI8     | 71342LA45JI8    | 71321LA35J8  |
| 7130SA55J      | 7130LA35J       | 71342LA55J      | 71321LA45J   |
| 7130SA55J/2594 | 7014S12J        | 71342LA55J8     | 71321LA45J8  |
| 7130LA35JI     | 7014S12J8       | 71342LA70J      | 71321LA45JI  |
| 054-51760-51   | 7014S15J        | 71342LA70J8     | 71321SA25JI  |
| 70121S55J8     | 7014S15J8       | 71342LA70JI     | 71321SA25JI8 |
| 70125L25J      | 7014S20J        | 71342LA70JI8    | 71321SA35J   |
| 70125L25J8     | 7014S20J8       | 71342SA20J      | 7132LA25J    |
| 70125L35J      | 7014S25J        | 71342SA20J8     | 7132LA25J8   |
| 70125L35J8     | 7014S25J8       | 71342LA35J8     | 7132LA25JI   |
| 70125L55J      | 7130LA100J      | 7132SA55JI8     | 7132LA25JI8  |
| 70125L55J8     | 7130LA100J/2315 | 71342LA20J      | 7132LA35J    |
| 70125S25J      | 7130LA100J8     | 71342LA20J8     | 7132LA35J8   |
| 70125S25J8     | 7130LA100JI     | 71342LA25J      | 7132LA35JI   |
| 70125S35J      | 7130LA100JI8    | 71342LA25J8     | 7132LA35JI8  |
| 70125S35J8     | 7130LA35J8      | 71342LA25JI     | 7132LA55J    |
| 70121S55J      | 7132SA25J       | 71342LA25JI8    | 7132LA20J8   |
| 054-51760-57   | 7132SA25J8      | 71342LA35J      | 71321SA35J8  |
| 70121L25J      | 7132SA25J8/C    | 71321LA20J      | 71321SA45J   |
| 70121L25J8     | 7132SA25JI      | 71321LA55J/3140 | 71321SA45J8  |
| 70121L35J      | 7132SA25JI8     | 71321LA55J8     | 71321SA55J   |
| 70121L35J8     | 7132SA35J       | 71321LA55JI     | 71321SA55J8  |
| 70121L55J      | 7132SA35J8      | 71321LA55JI8    | 71321SA55JI  |
| 70121L55J8     | 7132SA35JI      | 71321SA20J      | 71321SA55JI8 |
| 70121S25J      | 7132SA35JI8     | 71321SA20J8     | 7132LA100J   |
| 70121S25J8     | 7132SA20J8      | 71321SA25J      | 7132LA100J8  |
| 70121S35J      | 7132SA100J      | 71321SA25J8     | 7132LA20J    |
| 70121S35J8     | 7132SA100J8     | 71321LA55J      | 7132LA55J8   |