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

# Manufacturing Bulletin

**Subject: BGA 4x4.5 mm (AD/ADG 28) Tray Conversion**
**Date: 15 Aug 2011**

**This notification is to advise our customers that IDT has qualified a new shipping tray type for 4mm x 4.5mm BGA-28 package and will convert to the new shipping trays for shipment effective October 03, 2011.**

**There are changes in the tray pocket dimensions/design. However, there are no changes to tray outer dimensions and number of units per tray.**

**The new tray provides better protection against possible damage during transportation for customer shipments.**

**Refer to attachment I for new and old tray top view differences.**

**Tray Dimension:**

| **Description** | **Existing Tray** | **New Tray** |
|---|---|---|
| Tray Outer Dimension Length x Width | 135.9 x 322.6 mm | 135.9 x 322.6 mm |
| Tray Pocket Dimension Length x Width x Depth | 4.20 x 4.70 x 1.00 mm | 4.25 x 4.75 x 1.30 mm |

**Changes on New Tray:**

| **Description** | **Reason for Change** |
|---|---|
| Pocket dimension/design | To ease the detection of double units inside tray pocket. (refer to attachment II(a)) |
| Bottom tray pocket with 4 humps | To prevent unit sticky problem due to ESD static. (refer to attachment II(b) ) |

**Yours sincerely,**

**LS Koay**
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## Attachment I

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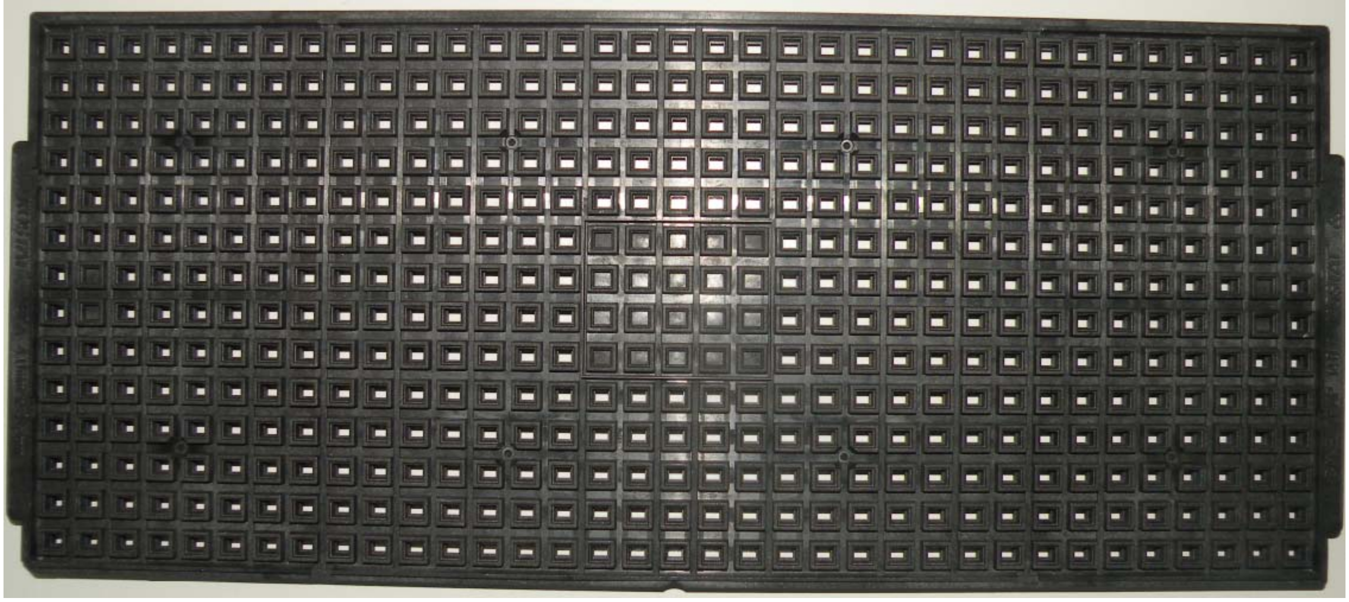
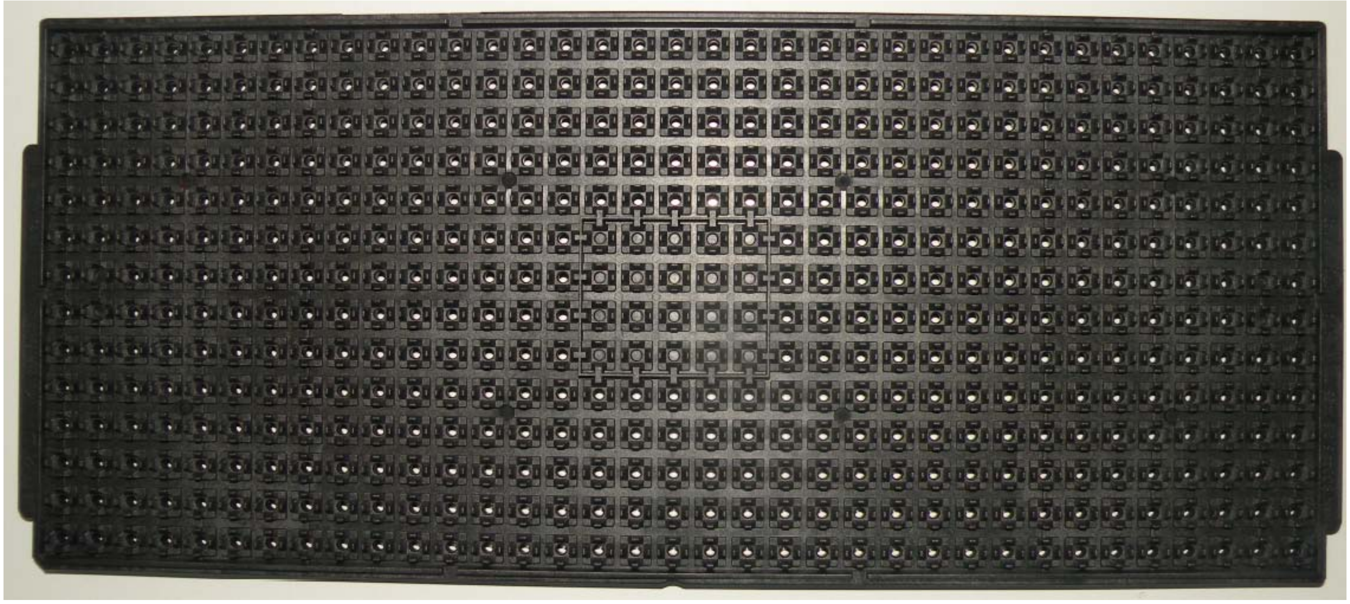
**Old Tray (Top View)**



**New Tray (Top View)**



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## Attachment II

**Subject: BGA 4x4.5 mm (AD/ADG 28) Tray Conversion**
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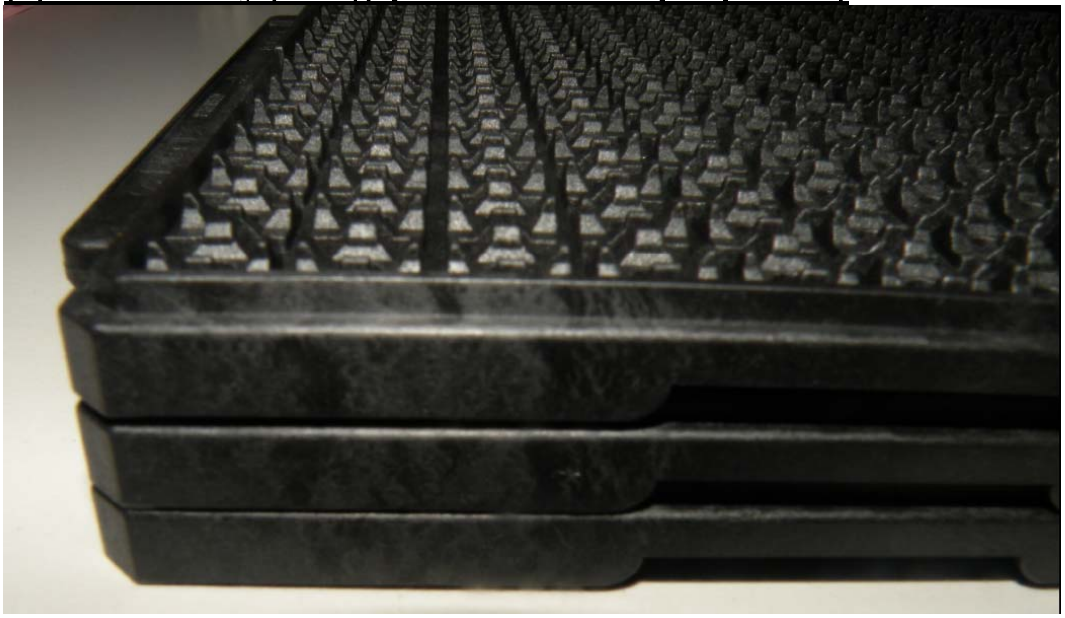
**(a) New Tray ( has gap if double units per pocket )**



**(b) New Tray (Bottom tray pocket with 4 humps )**