



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> TB0605-05 <b>Product Affected:</b> CVBGA 52L & 56L Products <span style="margin-left: 100px;"><b>shipped in tray</b></span>	<b>DATE:</b> 7/01/06	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input checked="" type="checkbox"/> Other
<b>Date Effective:</b> 7/31/2006		New tray quantity - 364 units/tray Shipment starting from 31-Jul-2006

<b>Contact:</b> Geoffrey Cortes <b>Title:</b> Product Quality <b>Phone #:</b> (408) 284-8321 <b>Fax #:</b> (408) 284-1450 <b>E-mail:</b> <a href="mailto:Geoffrey.Cortes@idt.com">Geoffrey.Cortes@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Samples:</b> N/A
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**DESCRIPTION AND PURPOSE OF CHANGE:**

<input type="checkbox"/> Die Technology <input type="checkbox"/> Wafer Fabrication Process <input type="checkbox"/> Assembly Process <input type="checkbox"/> Equipment <input type="checkbox"/> Material <input type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input checked="" type="checkbox"/> Other - Packing Material	<p>This notification is to advise our customer that IDT has qualified new shipping trays for CVBGA 52L and 56L products. The new trays provide better protection during product shipment.</p> <p>Please note that there will be a change in number of units per tray from 325 to 364 units/tray. There is no change in the tray dimensions.</p> <p>Attachment I details the change. Attachment II provides a list of affected products.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

The new trays have passed IDT qualification. Please see Attachment I for the qualification results.

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

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**IDT ACKNOWLEDGMENT OF RECEIPT:**

RECD. BY: \_\_\_\_\_ DATE: \_\_\_\_\_



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### ATTACHMENT I - PCN #: TB0605-05

**PCN Type:** Packing

**Data Sheet Change:** None

**Detail of Change:** This notification is to advise our customer that IDT has qualified new shipping trays for CVBGA 52L and 56L products. The new trays provide better protection during product shipment.

Please note that there will be a change in number of units per tray from 325 to 364 units/tray. There is no change in the tray dimensions.

The new shipping trays have passed IDT's internal qualification requirements.

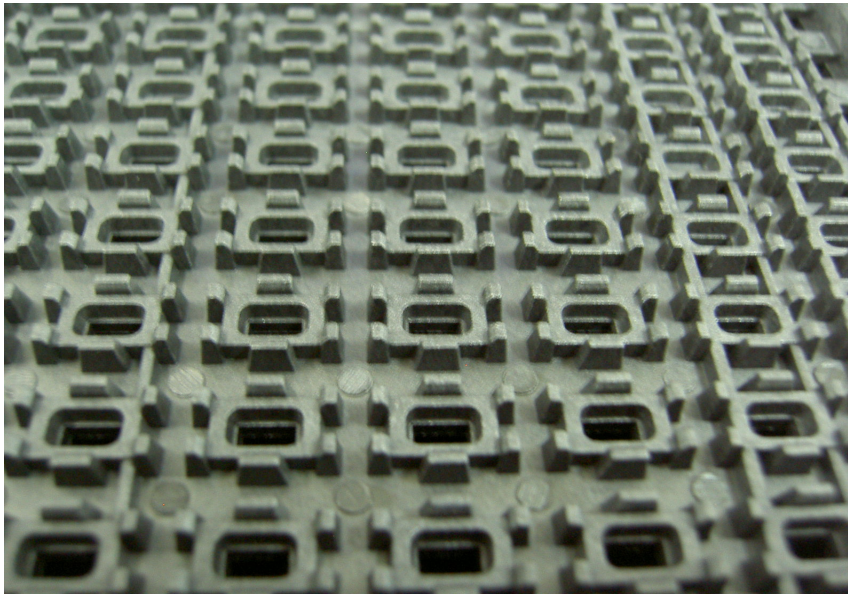
Description	Existing Shipping Tray	New Shipping Tray
Part Number	12C-4570-E19	1QG-4570-F19
Tray Matrix	13x25	14x26
Qty per Tray	325 units	364 units
Pocket Size (WxL)	4.67x7.17 +/- 0.08mm	4.64x7.14 +/- 0.08mm



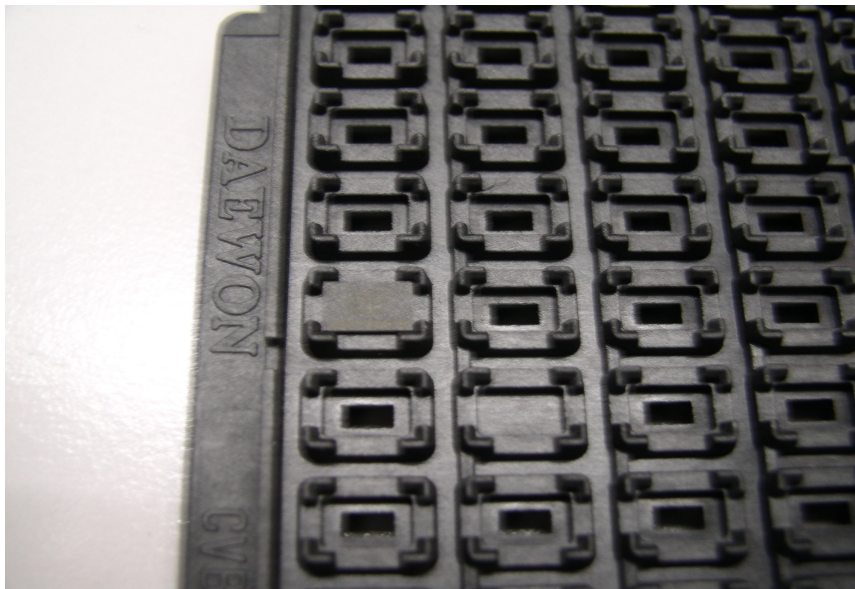
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## **PRODUCT/PROCESS CHANGE NOTICE (PCN)**

### **ATTACHMENT I - PCN #: TB0605-05**



**Existing Shipping Tray**



**New Shipping Tray**



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN #: TB0605-05

**Qualification Plan #:** BC05-09-01

**Qualification Test Plan and Result:**

Qualification Test and Conditions	Reject / Sample Size	Result
6 Feet Drop Test (6 drops, 1 drop per side @ standard packing)	0/4 trays (1456 units)	Pass
Manufacturability (IC Fitting, Trim & Form Machine, Vision System, Test Handler)	0/5 trays	Pass
Visual/Mechanical (Chip, crack, pit, incomplete fill, contamination, burr on tray pocket)	0/5 trays	Pass
Static Electricity Test (100 volts max)	0/5 trays	Pass
Surface Resistivity Test ( $1 \times 10^5$ to $1 \times 10^{11}$ ohms per sq)	0/5 trays	Pass
Dimensional (critical dimensions based on drawing)	0/5 trays	Pass
Bake Test (135°C@24 hours, bundled and singulated method)	0/8 trays	Pass



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: TB0605-05

#### Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
IDT98ULPA877AHLF	IDT97U2A877AHLF	IDT97ULP877AH	IDT97ULP878BHLF
IDT95V2F857AAH	IDT97U870AH	IDT97ULP877AHLF	IDT97ULPA877AH
IDT95V2F857AAHLF	IDT97U877AAH	IDT97ULP877BH	IDT97ULPA877AHLF
IDT95V857AH	IDT97U877AAHLF	IDT97ULP877BHLF	
IDT95V857AHLF	IDT97U877BH	IDT97ULP878AH	
IDT95VLP857ADH	IDT97UA877AH	IDT97ULP878AHLF	
IDT95VLP857ADHLF	IDT97UA877AHLF	IDT97ULP878BH	