



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **TB1110-06** DATE: **11/16/2011**
 Product Affected: **10 mm x 10 mm TQFP-44**
10 mm x 10 mm TQFP-64
 Date Effective: **2/16/2012**

MEANS OF DISTINGUISHING CHANGED DEVICES:
 Product Mark
 Back Mark
 Date Code
 Other Supplier part# on side of tray

Contact: Geoffrey Cortes
 Title: Product Quality Assurance Attachment: Yes No
 Phone #: (408) 284-8321
 Fax #: (408) 284-1450 Samples: N/A
 E-mail: Geoffrey.Cortes@idt.com

DESCRIPTION AND PURPOSE OF CHANGE:

- Die Technology
- Wafer Fabrication Process This notification is to advise our customers that IDT has qualified a new shipping tray type for 10 mm x 10 mm TQFP-44 and 10 mm x 10 mm TQFP-64 packages and will convert to the new shipping trays for shipment with effect from Feb 16, 2012.
- Assembly Process
- Equipment
- Material There will be changes in the tray dimensions. Qty per tray remains unchanged.
- Testing
- Manufacturing Site Attachment I details the change.
- Data Sheet Attachment II provides a list of affected products.
- Other - Packing Material

RELIABILITY/QUALIFICATION SUMMARY:

The new shipping 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: _____ ***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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ATTACHMENT I - PCN #: TB1110-06

PCN Type: Packing Material

Data Sheet Change: None

Detail of Change: This notification is to advise our customers that IDT has qualified a new shipping tray type for 10 mm x 10 mm TQFP-44 and 10 mm x 10 mm TQFP-64 packages and will convert to the new shipping trays for shipment with effect from Feb 16, 2012.

There will be changes in the tray dimensions however Qty per tray remains unchanged. Refer to Table 1.

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

Customers may expect to receive shipments of products in new shipping trays no sooner than 90 days from the date of this PCN notification. Shipments to customers may contain products shipped with either the existing shipping trays or new shipping trays during the transition period until the old inventory has been depleted.

Table 1: Comparizon between Existing and New Shipping Tray

Description	Existing Shipping Tray	New Shipping Tray
Supplier	PEAK	E-PAK
Supplier Part Number	ND 1010 1.0 0820 6 REV B	eND 1010 1.0 0820 13 R.B
Tray Matrix	8 X 20	8 X 20
Qty per Tray	160 units	160 units
Rating Temperature	150°C	140°C
Tray Material	PP6	ep13
Pocket Size (Width x Length)	9.95 X 9.95 +/- 0.05 mm	9.95 X 9.95 +/- 0.13 mm
Pocket Size (Depth)	1.87 mm	1.87 mm
Row Pitch	15.70 mm	15.70 mm
Column Pitch	15.20 mm	15.20 mm

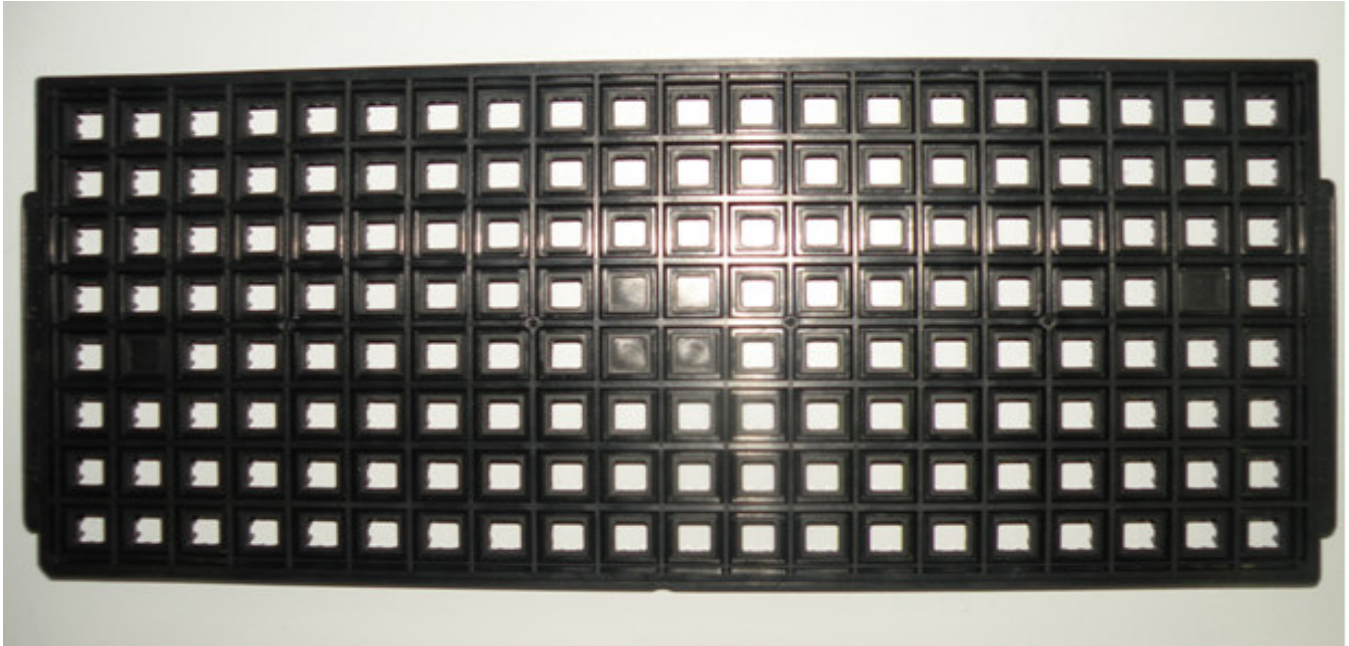


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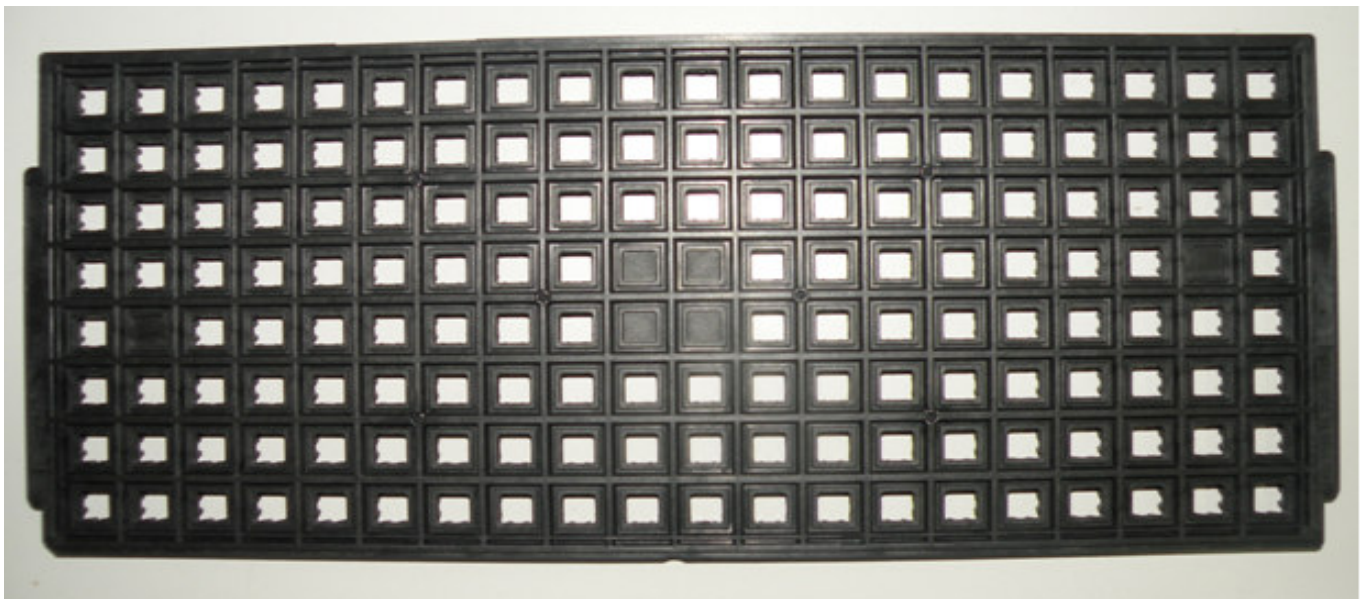
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ATTACHMENT I - PCN #: TB1110-06

Existing Shipping Tray - Top Tray



New Shipping Tray - Top Tray





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Existing Shipping Tray - Bottom Tray



New Shipping Tray - Bottom Tray





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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN #: TB1110-06

Qualification Plan #: BC11-06-10

Qualification Test Plan and Result:

Qualification Test and Conditions	Reject / Sample Size	Result
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 (1×10^5 to 1×10^{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 methods)	0/8 trays	Pass
Drop Test (5ft)	0/5 trays	Pass



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ATTACHMENT II - PCN #: TB1110-06

Affected Part Number

Part Number	Part Number	Part Number	Part Number
1893BY-10	813076CYILF	843002BY-31LF	8524AYLF
1893BY-10LF	813078AYILF	843002CY-31	8534AY-01
1893BYI-10	813078BYILF	843002CY-31LF	8534AY-01LF
1893BYI-10LF	82V3202EDG	843002DY-31LF	853S024AY
1893CY-10LF	82V3255EDG	843S77AYI-01LF	853S024AYLF
1893CYI-10LF	82V3352EDG	843S77AYILF	854S54AYI-08
1893Y-10	82V3352EDGI	843S77BYI-01LF	854S54AYI-08LF
1893Y-10LF	82V3352YILF	843S77BYILF	872S06AYLF
1893YI-10	82V3352YLF	843S77CYI-01LF	874328AYI-01LF
1893YI-10LF	82V3355EDG	843S78AYILF	874328AYILF
2008BY-10	82V3358EDG	843S78BYILF	874328BYI-01LF
2008BY-10LF	8413S08AYI-JNPLF	844020AY-45	V103AYLF
813076AYI	841N251AY-01LF	844020AY-45LF	V103YLF
813076AYILF	841N251BY-01LF	851021AY	V104YLF
813076BY	841N251CY-01LF	851021AYLF	VPM1000DEG
813076BYI	843002AY-31	8524AY	VPM1001DEG
813076BYILF	843002AY-31LF	8524AYI	
813076BYLF	843002AY-32LF	8524AYILF	