



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **TB0711-01** DATE: **12/06/2007**
 Product Affected: **950 mils x 950 mils PQFP 132L**
 shipped in tray
 Date Effective: **3/06/2008**

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
 Phone #: (408) 284-8321
 Fax #: (408) 284-1450
 E-mail: Geoffrey.Cortes@idt.com

Attachment: Yes No
 Samples: N/A

DESCRIPTION AND PURPOSE OF CHANGE:
 Die Technology This notification is to advise our customers that IDT has qualified new shipping trays for 950 mils x 950 mils PQFP 132L products.
 Wafer Fabrication Process
 Assembly Process
 Equipment There is no change to the number of units per tray and tray dimensions but changes to the tray withstand temperature.
 Material
 Testing
 Manufacturing Site Attachment I details the change.
 Data Sheet Attachment II provides a list of affected products and tray drawings.
 Other - Packing Material Attachment III provides the existing and new tray drawings.

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: _____ ***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 #: TB0711-01

PCN Type: Packing Material

Data Sheet Change: None

Detail of Change: This notification is to advise our customers that IDT has qualified new shipping trays for 950 mils x 950 mils PQFP 132L products.

There is no change to the number of units per tray and tray dimensions but changes to the tray withstand temperature.

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

Customer may receive product shipped in the existing trays and new trays in one single shipment until the existing trays are depleted.

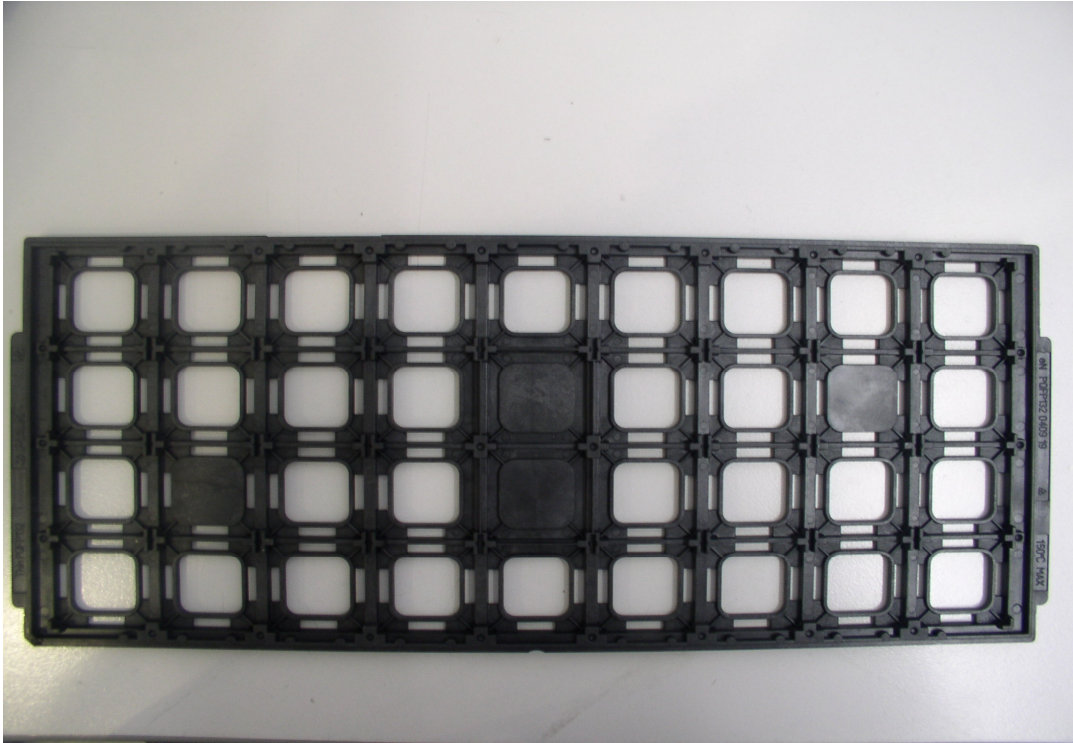
Description	Existing Shipping Tray	New Shipping Tray
Supplier	E-Pak	NK Tech
Supplier Part Number	eN PQFP 132 0409 19	TMHT-040901-01
IDT Part Number	P7-210-000	P7-227-000
Tray Matrix	4 X 9	4 X 9
Qty per Tray	36 units	36 units
Rating Temperature	150°C	135°C
Tray Material	MPPPO	PPE + CF
Pocket Size (WxL)	27.84 X 27.84 +/- 0.13 mm	28.09 X 28.09 +/- 0.13 mm
Tray Drawing Number	MSC-5706	MSC-5755



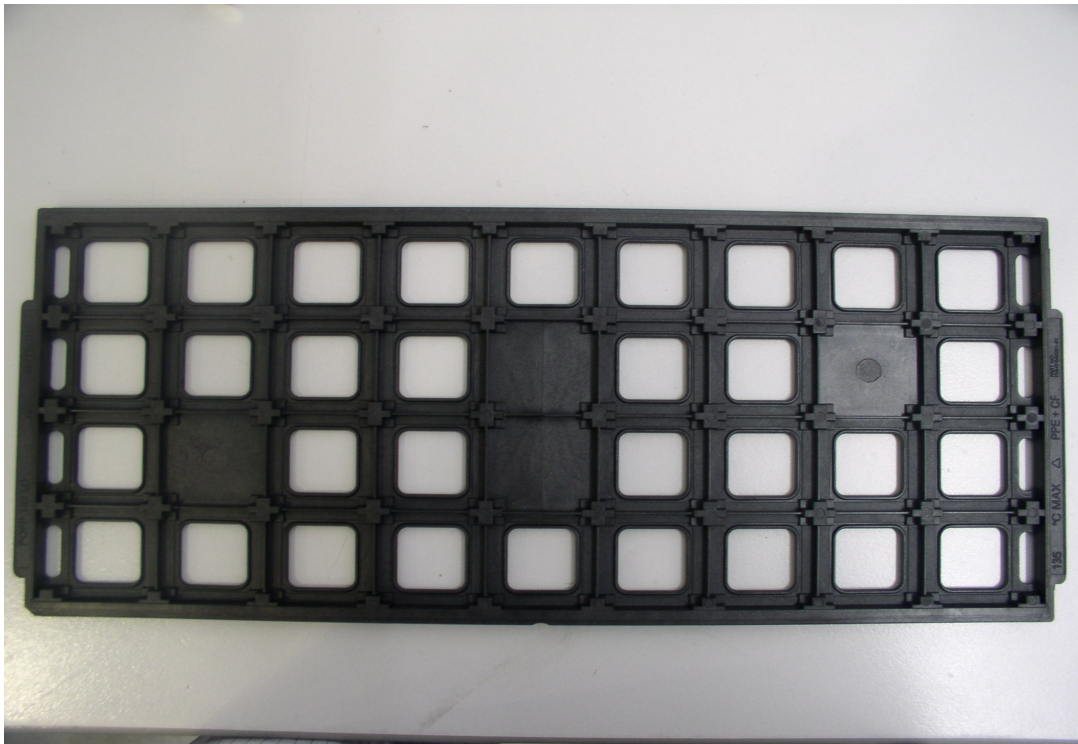
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ATTACHMENT I - PCN #: TB0711-01



Existing Shipping Tray



New Shipping Tray



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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN #: TB0711-01

Qualification Plan #: BC07-07-01

Qualification Test Plan and Result:

Qualification Test and Conditions	Reject / Sample Size	Result
5 Feet Drop Test (6 drops, 1 drop per side @ standard packing)	0/4 trays (144 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 (1×10^5 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



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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT II - PCN #: TB0711-01

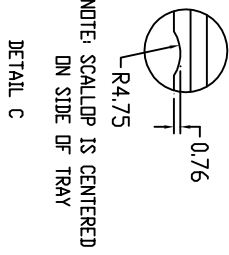
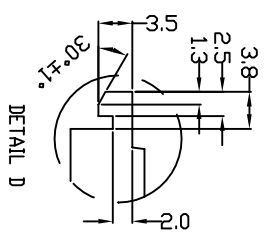
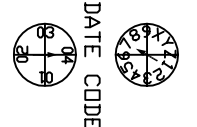
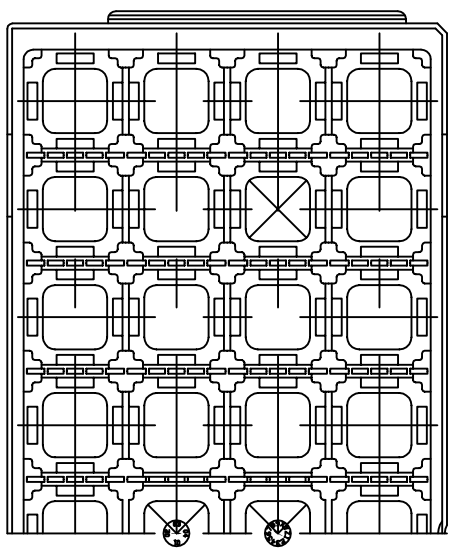
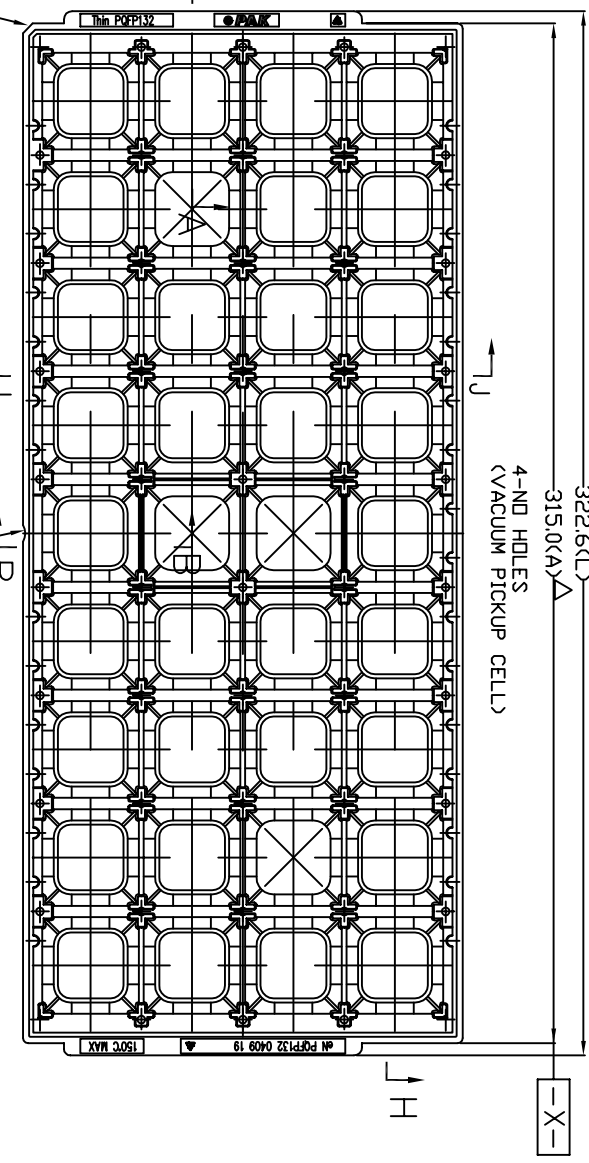
Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
IDT7050L25PQF	IDT723613L15PQF	IDT723651L20PQF	IDT72V3614L15PQF
IDT7050L35PQF	IDT723613L20PQF	IDT723651L20PQFI	IDT72V3614L20PQF
IDT7050S25PQF	IDT723613L20PQFI	IDT723652L12PQF	IDT72V3622L10PQF
IDT7050S35PQF	IDT723614L15PQF	IDT723652L15PQF	IDT72V3622L15PQF
IDT7052L20PQF	IDT723614L20PQF	IDT723662L12PQF	IDT72V3631L15PQF
IDT7052L20PQFG	IDT723614L20PQFI	IDT723662L15PQF	IDT72V3631L20PQF
IDT7052L25PQF	IDT723622L12PQF	IDT723672L12PQF	IDT72V3632L10PQF
IDT7052L25PQFI	IDT723622L15PQF	IDT723672L15PQF	IDT72V3632L15PQF
IDT7052L35PQF	IDT723631L15PQF	IDT72V3611L12PQF	IDT72V3641L15PQF
IDT7052S20PQF	IDT723631L20PQF	IDT72V3611L15PQF	IDT72V3641L20PQF
IDT7052S25PQF	IDT723631L20PQFI	IDT72V3611L15PQFG	IDT72V3642L10PQF
IDT7052S35PQF	IDT723632L12PQF	IDT72V3611L20PQF	IDT72V3642L15PQF
IDT7052S35PQFI	IDT723632L15PQF	IDT72V3612L12PQF	IDT72V3651L15PQF
IDT723611L15PQF	IDT723641L15PQF	IDT72V3612L12PQFG	IDT72V3651L20PQF
IDT723611L20PQF	IDT723641L20PQF	IDT72V3612L15PQF	IDT72V3652L10PQF
IDT723611L20PQFG	IDT723641L20PQFI	IDT72V3612L15PQFG	IDT72V3652L15PQF
IDT723611L20PQFI	IDT723642L12PQF	IDT72V3612L20PQF	IDT72V3662L10PQF
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IDT723612L15PQFG	IDT723642L15PQF	IDT72V3613L15PQF	IDT72V3672L10PQF
IDT723612L20PQF	IDT723642L15PQFGI	IDT72V3613L20PQF	IDT72V3672L15PQF
IDT723612L20PQFI	IDT723651L15PQF	IDT72V3614L12PQF	IDT72V3672L15PQFI

Manufacturing Site Marking

322.6(L) Δ
315.0(A)

4-ND HOLES
(VACUUM PICKUP CELL)




NOTE: SCALLOP IS CENTERED ON SIDE OF TRAY

- NOTES : (UNLESS OTHERWISE SPECIFIED)
1. MATERIAL : MPP0 (BLACK)
 2. ALL DIMENSIONS ARE IN mm.
 3. TEMPERATURE : 150C MAX
 4. ESD SURFACE RESISTIVITY SHALL CONFORM TO IDT SPEC MSA-3032.
 5. E-PAK PART NUMBER : BLACK TRAY : 6N POPP 132 0409 19
RED TRAY : 6N POPP 132 0409 33
 6. NUMBER OF POCKET : 4 X 9 = 36 POCKET

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/10/06	KK Thee

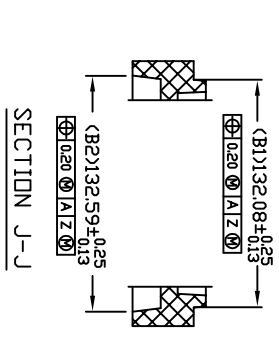
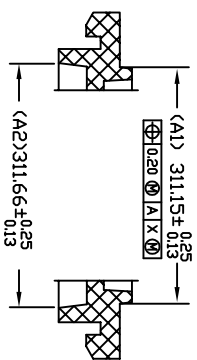
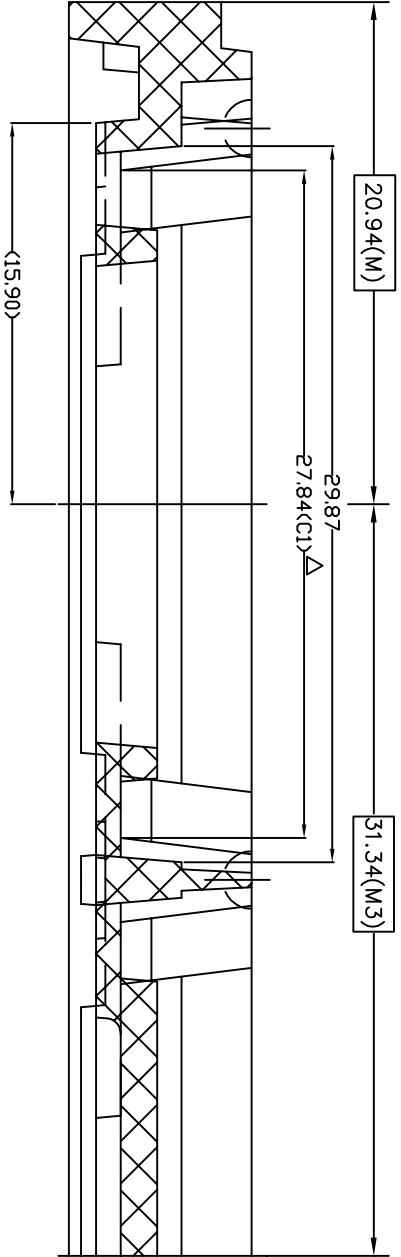
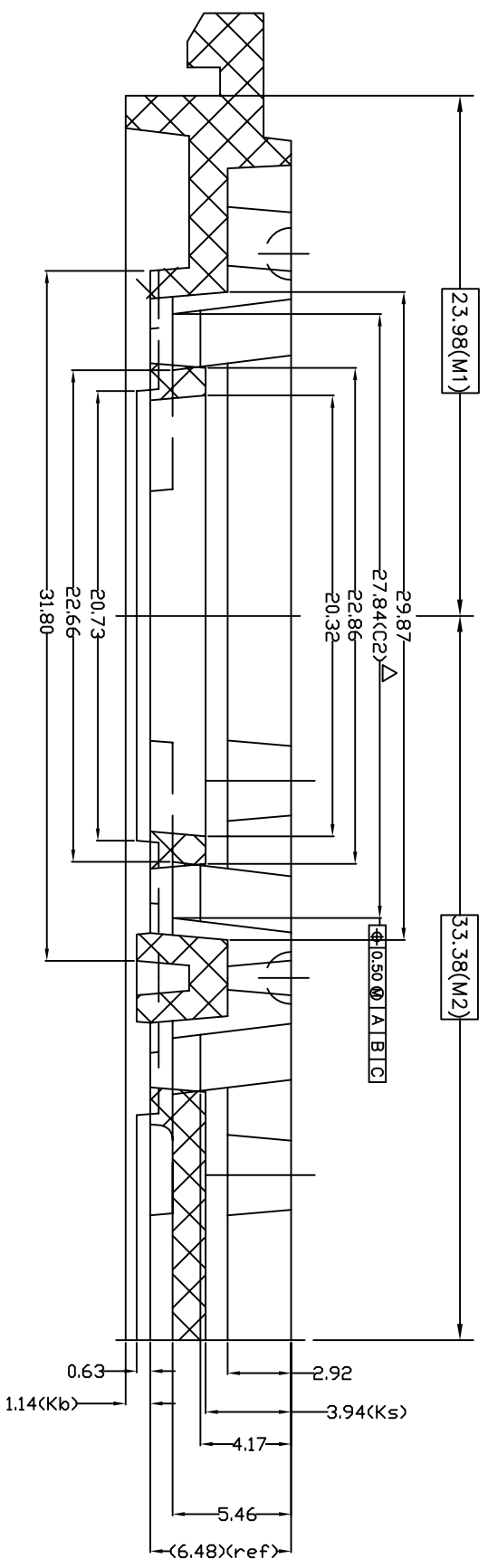
TOLERANCES UNLESS OTHERWISE SPECIFIED		DECIMAL		ANGLE	
.XX ±.13		.5°			
.XXX ±.13					
APPROVALS		DATE			
DRAWN				TITLE:	
CHECKED				PQ/PQG 132	
				SHIPPING TRAY	
STOCK NO.		DRAWING NO.		SCALE	
P7-210-000		MSC-5706		N/A	
		00		REV	
DO NOT SCALE DRAWING		SHEET 1 OF 2		SIZE	
				B	



6024 Silver Creek Valley Road
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FAX: (408) 284-3572

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REVISIONS			DATE	APPROVED
REV	DESCRIPTION			
00	INITIAL RELEASE		07/10/06	KK Thee



SECTION B-B

SECTION A-A

SECTION H-H

SECTION J-J

TOLERANCES UNLESS OTHERWISE SPECIFIED
 DECIMAL .XX ±.13
 .X ±.13
 .XXX ±.13
 ANGLE ±.5°
 APPROVALS _____ DATE _____
 DRAWN _____
 CHECKED _____

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TITLE: PQ/PQG 132 SHIPPING TRAY

STOCK NO. P7-210-000 MSC-5706
 DRAWING NO. 00
 REV B

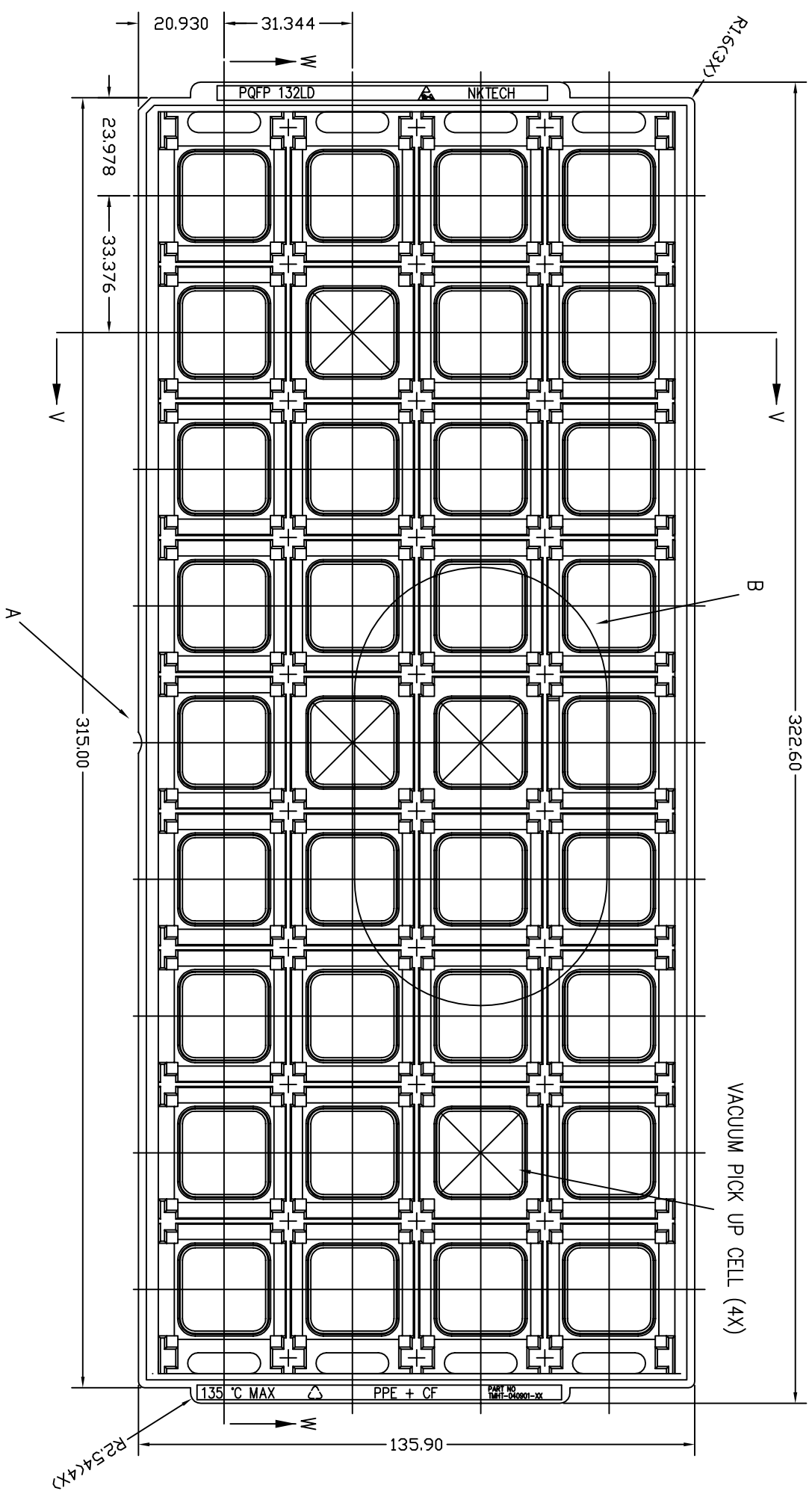
SCALE N/A
 SIZE B

DO NOT SCALE DRAWING

FILE: MSC17011

SHEET 2 OF 2

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/11/07	KK Three



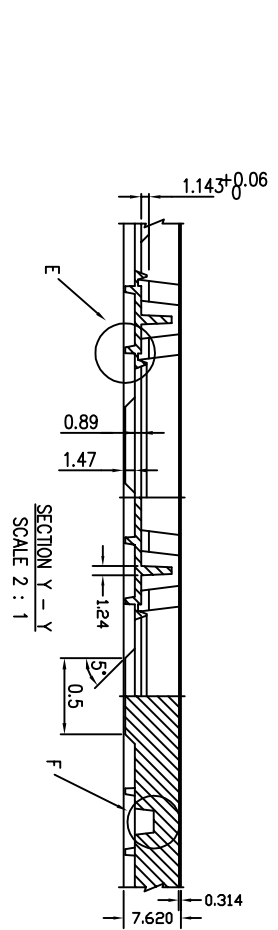
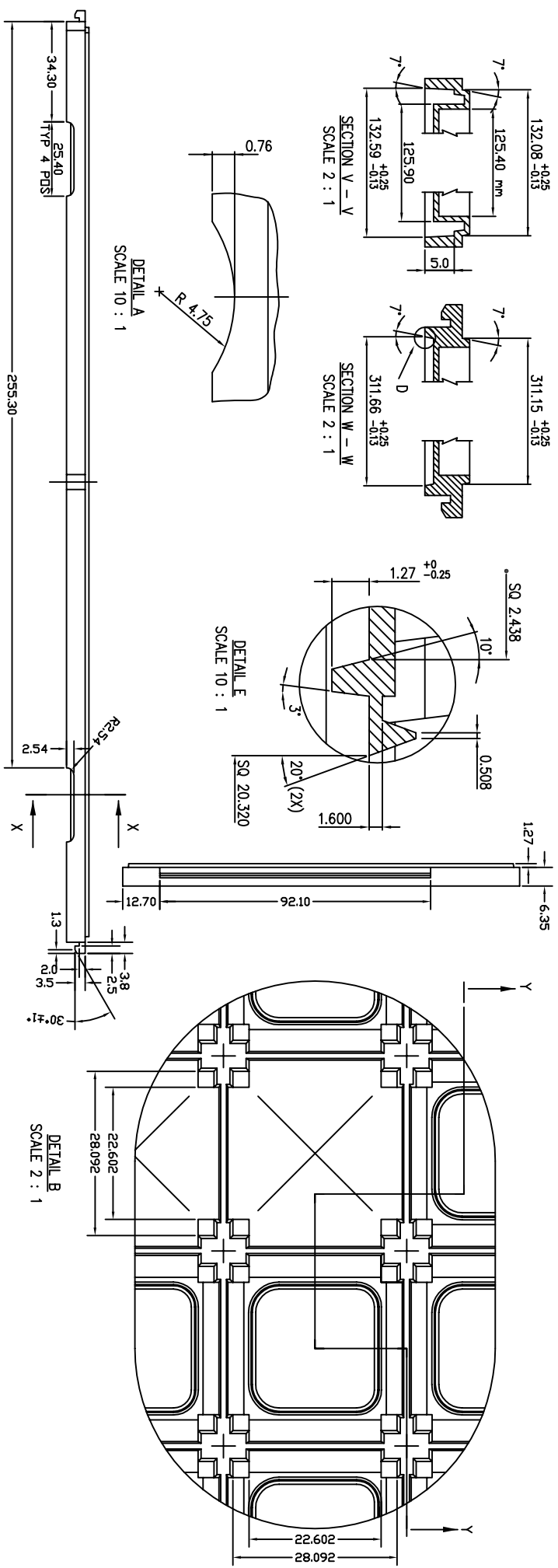
- NOTES : (UNLESS OTHERWISE SPECIFIED)
1. MATERIAL : PPE+CF (BLACK)
 2. ALL DIMENSIONS ARE IN mm.
 3. TEMPERATURE : 135°C MAX
 4. ESD SURFACE RESISTIVITY SHALL CONFORM TO IDT SPEC MSA-3032.
 5. NEPTUNE PART NUMBER : TMHT-040901-01
 6. NUMBER OF POCKET : 4 X 9 = 36 POCKETS

TOLERANCES UNLESS OTHERWISE SPECIFIED		DECIMALS		ANGLE	
.X ±.25		.XX ±.13		.XXX ±.13	
APPROVALS		DATE		SCALE	
DRAWN		DATE		N/A	
CHECKED		DATE		SIZE	
TITLE:		STOCK NO.		DRAWING NO.	
Pq/PqG 132		P7-227-0001MSC-5755		REV 00	
SHIPPING TRAY		DO NOT SCALE DRAWING		SHEET 1 OF 3	

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REV	DESCRIPTION	DATE	APPROVED
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TOLERANCES UNLESS OTHERWISE SPECIFIED
 DECIMALS .X ±.25
 .XX ±.13
 .XXX ±.13
 ANGLES ±.5°

APPROVALS DATE

DRAWN

CHECKED

STOCK NO. P7-227-0001 MSC-5755

DRAWING NO. 00

REV B

SCALE N/A

SIZE B

REV 00



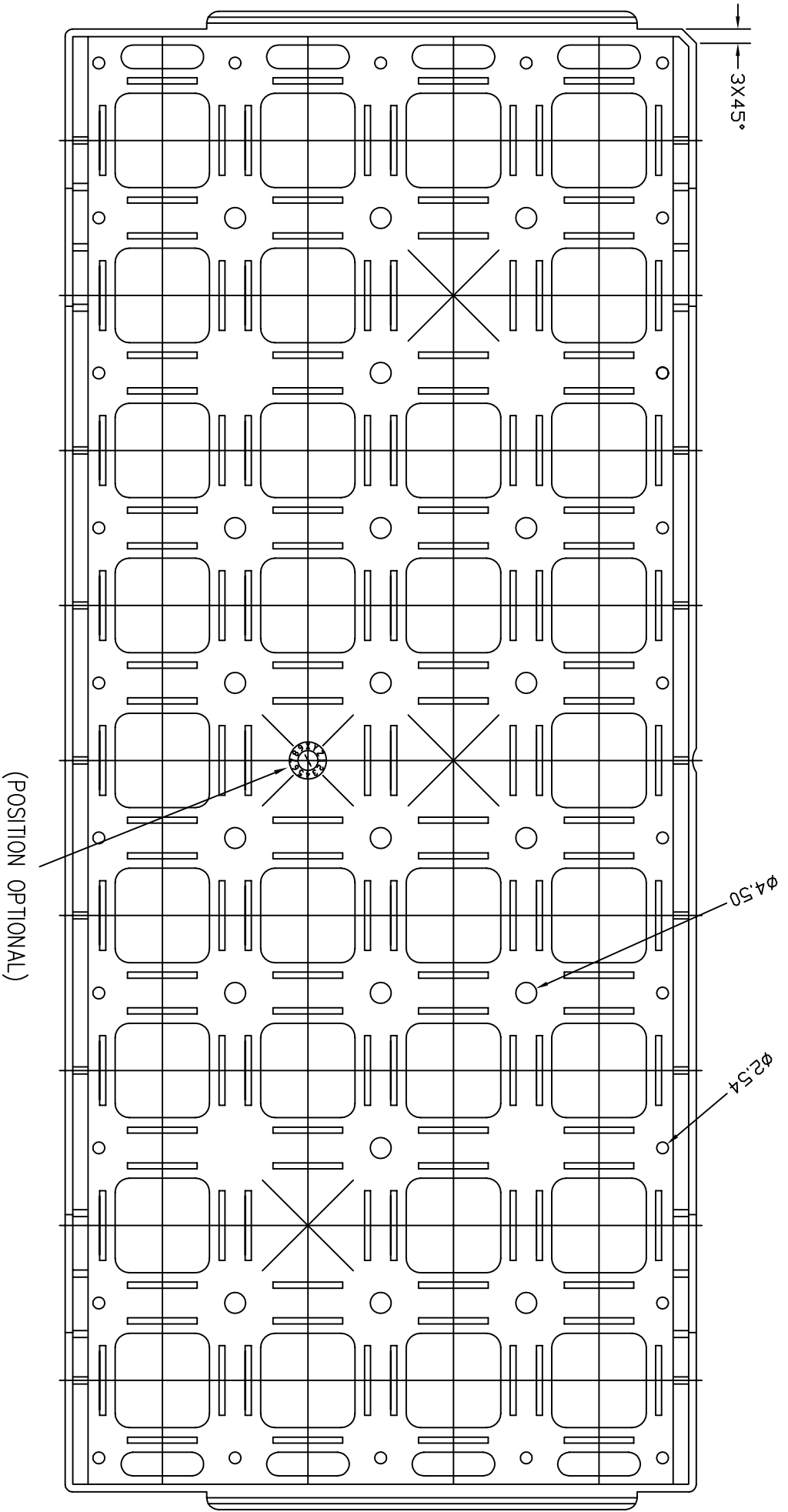
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FILE: MSC17011

DO NOT SCALE DRAWING SHEET 2 OF 3

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
00	INITIAL RELEASE	07/11/07	KK Three



TOLERANCES UNLESS OTHERWISE SPECIFIED
 DECIMAL .25
 .X ±.25
 .XX ±.13
 .XXX ±.13
 ANGLE ±.5°

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APPROVALS DATE

DRAWN

CHECKED

TITLE: Pq/PqG 132 SHIPPING TRAY

STOCK NO. P7-227-0001 MSC-5755

DRAWING NO. MSC-5755

SCALE N/A

SIZE B

REV 00

FILE: MSC1701

DO NOT SCALE DRAWING

SHEET 3 OF 3