

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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A0508-01 DATE: 10/10/2005	MEANS OF DISTINGUISHING CHANGED DEVICES:		
Product Affected: Green 28L TSOP (PZG28) package Date Effective: 1/9/2006	□ Product Mark ■ Back Mark Encrypted "A" prefix on the assembly lot □ Date Code number. Refer to Attachment 2. □ Other		
Contact: Geoffrey Cortes Title: Corporate Quality and Reliability Phone #: (408) 284 8321 Fax #: (408) 284 1450 E-mail: gcortes@idt.com	Attachment:: Yes No Samples: Contact the local IDT sales representative		
DESCRIPTION AND PURPOSE OF CHANGE:			
☐ Equipment green 28L TSOP (PZG28) from G	omers that IDT is transfering the assembly location of the Chippac/Stat-China to OSE-Taiwan. The green 28L TSOP shorter foot length than Chippac/Stat-China. details.		
RELIABILITY/QUALIFICATION SUMMARY:			
Please see PCN attachment for qualification/reliability data.			
CUSTOMER ACKNOWLEDGMENT OF RECEIPT: IDT records indicate that you require written notification of this cha to grant approval or request additional information. If IDT does not it will be assumed that this change is acceptable. IDT reserves the right to ship either version manufactured after the ponthe earlier version has been depleted.	receive acknowledgement within 30 days of this notice		
Customer:	Approval for shipments prior to effective date.		
Name/Date: E-N	Mail Address:		
Title: Pho	one# /Fax# :		
CUSTOMER COMMENTS:			
IDT ACKNOWLEDGMENT OF RECEIPT:			
RECD. BY:	DATE:		
IDT FRA-1509-01 REV. 00 09/18/01 Page 1	of 1 Refer To QCA-1795		



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ATTACHMENT 1 - PCN #: A-0508-01

PCN Type: Change in assembly location from Chippac/Stat-China to OSE-Taiwan for green 28L TSOP

(PZG28) package.

Data Sheet Change: No

Detail of Change: IDT have completed the qualification to change the assembly location of the green 28L TSOP

(PZG28) packge from Chippac/Stat-China to OSE-Taiwan. The 28L TSOP from OSE-Taiwan have a slightly shorter foot length. Please refer below for the details. There is no change in the

lead tip-to-lead tip length of the package.

Attachment 3 list details of the qualification results for this changes and Attachment 4 is for the

affected devices list.

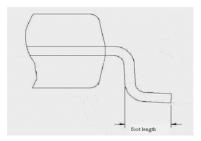
There is no change to the existing Moisture Sensitive Level (MSL). There is a change to the

Datasheet for the foot length dimension as below :-

Description	From	То
Assembly Location	Chippac/Stat-China	OSE-Taiwan
Foot Length range (min - max)	0.5 - 0.7 mm	0.3 - 0.7 mm

Note: Foot length requirement for JEDEC is 0.5 - 0.7 mm.

Illustration of the foot length



Samples are available for selective devices. Please contact your local field sales representative for sample availability and additional information.

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ATTACHMENT 2 - PCN #: A-0508-01

Illustration of Encrypted 'A' prefix on the assembly lot number

Example of TSOP-28 Package bottom Mark

A XXXXXXX

00000 XY

A = OSE-Taiwan built

XXXXXXXX = Assembly Lot Number

OOOOO = Country of Origin

XY = mold date code

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ATTACHMENT 3 - PCN #: A-0508-01

Qualification Plan: P03-07-02

Test Vehicle: IDT71256TT, Green 28L TSOP (PZG28)

Qualification Test Plan and Results:

Description	Test Methods	Sample Size /# Fails	Test Results
Physical Dimensions	JESD22-B100	5/0	5/0 (Pass)
Resistance to Solvents	EIA/JESD22-B107; Mil-Std- 883 (M 2015)	3/0	3/0 (Pass)
Solderability Test	EIA/JESD22-B102 ; Mil-Std- 883 (M 2003)	3/0	3/0 (Pass)
* Steam Pressure Pot Test (SPP), 168hrs	EIA/JESD22-A102	45/0	45/0 (Pass)
Bake and Ball Shear Test	EIA/JESD22-B116	5/0	5/0 (Pass)
Bond pull Test	IDT Spec MAC-3010	5/0	5/0 (Pass)
External Visual Inspection	JESD22-B101	25/0	25/0 (Pass)
Internal Visual Inspection	MIL-STD 883 M-2010	5/0	5/0 (Pass)
X-ray	IDT Spec. MAC-3012	45/0	45/0 (Pass)
Adhesion of Lead Finish	Mil-Std-883 (M 2025)	3/0	3/0 (Pass)
** Moisture Classification Level (MSL 3)	IPC/JEDEC J-STD-20	45/0	45/0 (Pass)
* Highly Accelerated Stress Test (HAST), 100hrs biased	EIA/JESD22-A110	45/0	45/0 (Pass)
Lead Integrity	JESD22-B105	3/0	3/0 (Pass)
* Temperature Cycle (TC), 500cycles (-65°C to 150°C)	JESD22-A104	45/0	45/0 (Pass)

Notes:

^{*} Test requires moisture pre-conditioning sequence per JESD22-A113C.

^{**} There was no change to the existing MSL.

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ATTACHMENT 4 - PCN #: A-0508-01

Affected Product List

IDT71V256SA15PZGI	IDT71256SA25PZG
IDT71V256SA15PZG	IDT71256SA20PZGI
IDT71V256SA12PZGI	IDT71256SA20PZG
IDT71V256SA12PZG	IDT71256SA15PZGI
IDT71V256SA10PZGI	IDT71256SA15PZG
IDT71V256SA10PZG	IDT71256SA12PZGI
IDT71256SA25PZGI	IDT71256SA12PZG