



## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> <b>A1007-02</b>	<b>DATE:</b> <b>2-Aug-2010</b>	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input type="checkbox"/> Product Mark <small>Assembly Lot# will have the following prefix: "P" prefix for ATP</small> <input type="checkbox"/> Back Mark          "W" prefix for AIT <input type="checkbox"/> Date Code          "G" prefix for Chantworld <input checked="" type="checkbox"/> Other                "A" prefix for OSET "MS" prefix for CRSS
<b>Product Affected:</b> AUI Products (Green SSOP-28) as listed in attachment II		
<b>Date Effective:</b> <b>2-Nov-2010</b>		

<b>Contact:</b> Bimla Paul <b>Title:</b> Product Quality Assurance <b>Phone #:</b> (408) 574-6419 <b>Fax #:</b> (408) 284-8362 <b>E-mail:</b> <a href="mailto:Bimla.Paul@idt.com">Bimla.Paul@idt.com</a>	<b>Attachment:</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  <b>Samples:</b> Please contact your local sales representative for sample request & availability.
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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 checked="" type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>This notification is to advise our customers that IDT is adding ATP, Philippines; AIT, Indonesia; Chantworld, Taiwan; OSET, Taiwan and Carsem S, Malaysia as alternate assembly facilities for SSOP-28 green version for the list of affected products in Attachment II. The SSOP-28 green package at the alternate assembly locations listed has a moisture classification (MSL) of 1.</p> <p>Attachment I details the qualification data for the alternate assembly locations Attachment II shows the list of affected part numbers.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**  
Refer to qualification data shown in attachment I.

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

\_\_\_\_\_

\_\_\_\_\_

**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



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

**ATTACHMENT I - PCN # : A1007-02**

**PCN Type:** Manufacturing Site - Alternate Assembly Location  
**Data Sheet Change:** None

**Detail Of Change:**

This notification is to advise our customers that IDT is adding ATP, Philippines; AIT, Indonesia; Chantworld, Taiwan; OSET, Taiwan and Carsem S, Malaysia as the alternate assembly facilities for SSOP-28 green version. The SSOP-28 green package at the alternate assembly locations listed has a moisture classification (MSL) of 1.

**Qualification Information and Qualification Data:**

**Affected Packages:** SSOP-28 (PYG28)

**Assembly Material:** See Table below

Description	Existing	Add
Assembly Location	Unisem, Malaysia	ATP, Philippines; AIT, Indonesia; Chantworld, Taiwan; OSET, Taiwan and Carsem S, Malaysia
Assembly Materials	Die Attach: 8290	8290, CRM1076NS, CRM1076, FP5023, EN4900GC, 84-1LMISR4
	Wire: Au wire 1.0 mil	Au wire 1.0 mil
	Mold Compound: G600	G600, KMC3510L, CEL9220HF, G700JA
	Lead Frame: Copper Alloy	Copper Alloy
	Plating: Matte 100% Sn (Green)	Matte 100% Sn (Green)



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

**ATTACHMENT I - PCN # : A1007-02**

**Qualification Test Plans and Results :**

**(I) Qual data for ATP, Philippines**

**Qual Vehicle:** SSOP-56 ( 3 lots )

Test Description	Test Method	Test Results (SS / Rej)
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 100 Hrs)	JESD22-A110	47/0, 47/0, 47/0
* Temperature Cycle (-65 °C to +150 °C, 500 Cyc)	JESD22-A104	47/0, 47/0, 47/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	47/0, 47/0, 47/0

Note:

\* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.

**(II) Qual data for AIT, Indonesia**

**Qual Vehicle:** SSOP-28 ( 3 lots )

Test Description	Test Method	Test Results (SS / Rej)
* Pressure Cooker Test (121 °C/15 psig, 96 Hrs)	JESD22-A102	77/0, 77/0, 77/0
* Temperature Cycle (-65 °C to +150 °C, 500 Cyc)	JESD22-A104	77/0, 77/0, 77/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	77/0

Note:

\* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.



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

**ATTACHMENT I - PCN # : A1007-02**

**Qualification Test Plans and Results :**

**(III) Qual data for Chantworld, Taiwan**

**Qual Vehicle:** SSOP-56 ( 1 lot )

Test Description	Test Method	Test Results (SS / Rej)
* Pressure Cooker Test (121 °C/100%RH, 2 ATM, 500 Hrs)	JESD22-A102	77/0
* Temperature Cycle (-65 °C to +150 °C, 500 Cyc)	JESD22-A104	77/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	77/0

Note:

\* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.

**(IV) Qual data for OSET, Taiwan**

**Qual Vehicle:** SSOP-56 ( 1 lot )

Test Description	Test Method	Test Results (SS / Rej)
* Pressure Cooker Test (121 °C/100%RH, 2 ATM, 168 Hrs)	JESD22-A102	45/0
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 2.4 ATM, 100 Hrs)	JESD22-A110	45/0
* Temperature Cycle (-65 °C to +150 °C, 500 Cyc)	JESD22-A104	45/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	45/0

Note:

\* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.



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

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### ATTACHMENT I - PCN # : A1007-02

#### Qualification Test Plans and Results :

##### (V) Qual data for Carsem S, Malaysia

**Qual Vehicle:** SSOP-28 ( 1 lot )

Test Description	Test Method	Test Results (SS / Rej)
* Pressure Cooker Test (121 °C/15 psig, 96 Hrs)	JESD22-A102	77/0
* Temperature Cycle (-65 °C to +150 °C, 500 Cyc)	JESD22-A104	77/0
High Temp. Storage Test (150 °C, 500 Hrs)	JESD22-A103	45/0

Note:

\* Test requires moisture pre-conditioning sequence per JESD22-A113 and will use the existing moisture sensitivity level that has been qualified for this material set.



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN # : A1007-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
LDS6000PYGI	LDS6005PYGI8	LDS6025PYGI	LDS6107PYGI8
LDS6000PYGI8	LDS6020PYGI	LDS6025PYGI8	LDS6124PYGI
LDS6003PYGI	LDS6020PYGI8	LDS6104PYGI	LDS6124PYGI8
LDS6003PYGI8	LDS6023PYGI	LDS6104PYGI8	LDS6126PYGI
LDS6005PYGI	LDS6023PYGI8	LDS6107PYGI	LDS6126PYGI8