



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>A1105-04</b> DATE: <b>Oct 25, 2011</b> Product Affected:    SBGA, SOIC, TSSOP, TQFP, VFQFN (Refer Attachment II)  Date Effective: <b>Jan 25, 2012</b>	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark      Assembly lot marked on the device <input type="checkbox"/> Date Code      provides traceability to the material <input type="checkbox"/> Other              used
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Contact:    Geoffrey Cortes Title:        Product Quality Phone #:    (408) 284-8321 Fax #:       (408) 284-1450 E-mail: <a href="mailto:Geoffrey.Cortes@idt.com">Geoffrey.Cortes@idt.com</a>	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Samples:    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 checked="" type="checkbox"/> Material <input type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other - Top Mark	<p>This notification is to inform our customers that IDT is adding CRM1076WA as an alternate die attach epoxy for the list of products as listed in Attachment II. The existing die attach epoxy is EN4900.</p> <p>There is no change in the moisture sensitivity level (MSL).</p> <p>Attachment I: Details of change. Attachment II: Affected product list.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

There is no expected change to the product quality or reliability performance.

**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 90 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"/> <b><i>Approval for shipments prior to effective date.</i></b>
Name/Date: _____	E-Mail Address: _____
Title: _____	Phone# /Fax# : _____

**CUSTOMER COMMENTS:** \_\_\_\_\_

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**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : A1105-04

**PCN Type:** Assembly Material

**Data Sheet Change:** None

**Details Of Change:** This notification is to inform our customers that IDT is adding CRM1076WA as an alternate die attach epoxy for the list of products as listed in Attachment II. The existing die attach epoxy is EN4900.

There is no change in the moisture sensitivity level (MSL).

Description	Changes	
	Existing	Add
Die Attach Epoxy	EN4900	CRM1076WA

**Qualification Test Plan and Results:**

**Test Vehicle:** TQFP 14mm X 14mm (3 lots)

Test Description	Test Method	Test Results (SS / Rej)
Die Shear Test	MIL-STD-883 (Method 2019)	5/0, 5/0, 5/0
* Temperature Cycle (-55 °C to +125 °C, 700 Cycles)	JESD22-A104	25/0, 25/0, 25/0
* High Accelerated Stress Test (Unbiased, 130 °C/85% RH, 100 Hrs)	JESD22-A118	25/0, 25/0, 25/0

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 # : A1105-04

#### Qualification Test Plan and Results:

**Test Vehicle:** VFQFPN 7mm X 7mm (3 lots)

Test Description	Test Method	Test Results (SS / Rej)
Die Shear Test	MIL-STD-883 (Method 2019)	5/0, 5/0, 5/0
* Temperature Cycle (-55 °C to +125 °C, 700 Cycles)	JESD22-A104	25/0, 25/0, 25/0
* High Accelerated Stress Test (Unbiased, 130 °C/85% RH, 100 Hrs)	JESD22-A118	25/0, 25/0, 25/0

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.

#### Qualification Test Plan and Results:

**Test Vehicle:** CABGA 13.5mm X 8.0mm (3 lots)

Test Description	Test Method	Test Results (SS / Rej)
* Temperature Cycle (-55 °C to +125 °C, 700 Cycles)	JESD22-A104	24/0, 25/0, 25/0
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 100 Hrs)	JESD22-A110	25/0, 25/0, 25/0

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.