



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A1008-03 Product Affected: 19mm x 19mm CABGA-324 (Standard & Green) Date Effective: December 10, 2010	DATE: September 10, 2010	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark Lot# will have a "P" prefix <input type="checkbox"/> Date Code <input type="checkbox"/> Other
---	---------------------------------	---

Contact: PS Tow Title: Director, Product Assurance Phone #: (408) 284-8206 Fax #: (408) 284-1450 E-mail: pstow@idt.com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Availability shown on request
---	---

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 Amkor, Philippines as an alternate assembly facility for 19mm x 19mm CABGA-324 both standard and green version.</p> <p>There is no change to the moisture performance of the package as a result of this change.</p> <p>Attachment I details the qualification data for this change Attachment II details the affected part number list.</p>
--	--

RELIABILITY/QUALIFICATION SUMMARY:

Please refer to the attached Qualification & reliability data.

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.

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: _____



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A1008-03

PCN Type: Manufacturing Site

Data Sheet Change: No change
No change in moisture sensitivity level (MSL)

Details Of Change:

This notification is to advise our customers that IDT is adding Amkor, Philippines as an alternate assembly facility for 19mm x 19mm CABGA-324 both standard and green version. There is no change to the moisture performance of these packages using the assembly material sets as listed in the below table.

Qualification Information and Qualification Data:

Affected Packages: 19mm x 19mm CABGA-324 (BC/BCG324)

Assembly Material: See Table below

Description	Existing	Add
Assembly Location	SPII, Taiwan	Amkor, Philippines
Assembly Materials	Die Attach: Ablestik 2000	Die Attach: Ablestik 2300
	Wire: Au wire	Wire: Au wire
	Mold Compound: GE100LFCSV	Mold Compound: GE100LFCSV
	Substrate: HL832NX / AUS308	Substrate: HL832NX / AUS308
	Solder Balls: Sn96.5/Ag3.0/Cu0.5 (Green) & Sn63/Pb37 (Standard)	Solder Balls: Sn96.5/Ag3.0/Cu0.5 (Green) & Sn63/Pb37 (Standard)



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A1008-03

Qualification Test Plans and Results :

Qual Vehicle: 19mm x 19mm CABGA (1 lot)

Test Description	Test Method	Test Results (SS / Rej)
* High Accelerated Stress Test (Unbiased, 130 °C/85% RH, 100 Hours)	JESD22-A118	45/0
* Temperature Cycle (-55 °C to +125 °C, 1000 Cycles)	JESD22-A104	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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT II - PCN # : A1008-03

Affected Part Number

Part Number	Part Number	Part Number	Part Number
89H10T4BG2ZBBC	89HPES10T4G2ZABC	89HPES12N3AZCBC	89HPES12T3G2ZABCG
89H10T4BG2ZBBC8	89HPES10T4G2ZABC8	89HPES12N3AZCBCG	89HPES12T3G2ZABCG8
89H10T4BG2ZBBCG	89HPES10T4G2ZABCG	89HPES12N3AZCBCI	89HPES12T3G2ZBBC
89H10T4BG2ZBBCG8	89HPES10T4G2ZABCG8	89HPES12N3AZGBC	89HPES12T3G2ZBBC8
89H10T4BG2ZBBCGI	89HPES10T4G2ZABCGI	89HPES12N3AZGBCG	89HPES12T3G2ZBBCG
89H10T4BG2ZBBCGI8	89HPES10T4G2ZABCI	89HPES12N3AZGBCGI	89HPES12T3G2ZBBCG8
89H10T4BG2ZBBCI	89HPES10T4G2ZABCI8	89HPES12N3AZGBCI	89HPES12T3G2ZBBCGI
89H10T4BG2ZBBCI8	89HPES10T4G2ZBBC	89HPES12N3AZGBCI8	89HPES12T3G2ZBBCI
89H12T3BG2ZBBC	89HPES10T4G2ZBBC8	89HPES12N3YCBC	89HPES12T3G2ZBBCI8
89H12T3BG2ZBBC8	89HPES10T4G2ZBBCG	89HPES12N3YCBCG	89HPES8NT2ZBBC
89H12T3BG2ZBBCG	89HPES10T4G2ZBBCG8	89HPES12NT3ZBBC	89HPES8NT2ZBBC8
89H12T3BG2ZBBCG8	89HPES12N3A1ZCBCG	89HPES12NT3ZBBC8	89HPES8NT2ZBBCG
89H12T3BG2ZBBCGI	89HPES12N3A1ZCBCG8	89HPES12NT3ZBBCG	89HPES8NT2ZBBCG8
89H12T3BG2ZBBCGI8	89HPES12N3A2ZCBC	89HPES12NT3ZBBCG8	89HPES8NT2ZBBCGI
89H12T3BG2ZBBCI	89HPES12N3A2ZCBC8	89HPES12NT3ZBBCGI	89HPES8NT2ZBBCGI8
89H12T3BG2ZBBCI8	89HPES12N3A2ZCBCG	89HPES12NT3ZBBCGI8	89HPES8NT2ZBBCI
89HM0312G2PSZABCG	89HPES12N3A2ZCBCG8	89HPES12NT3ZBBCI	89HPES8NT2ZBBCI8
89HM0312G2PSZABCG8	89HPES12N3A2ZCBCGI	89HPES12NT3ZBBCI8	
89HM0312G2PSZBBCG	89HPES12N3A2ZCBCI	89HPES12T3G2ZABC	
89HM0312G2PSZBBCG8	89HPES12N3A2ZCBCI8	89HPES12T3G2ZABC8	