



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> A-0611-02 <b>Product Affected:</b> PBGA 119 (Standard and Green Package - see attached affected part# list) <b>Date Effective:</b> 12-Mar-2007	<b>DATE:</b> 12-Dec-2006	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark      Lot # will have "P" prefix <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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<b>Contact:</b> Geoffrey Cortes <b>Title:</b> Product Quality Assurance <b>Phone #:</b> (408) 284-8321 <b>Fax #:</b> (408) 284-1450 <b>E-mail:</b> <a href="mailto:Geoffrey.Cortes@idt.com">Geoffrey.Cortes@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 Amkor Technology, Korea (ATK) is transferring the above-mentioned PBGA packages assembly to Amkor Technology, Philippines (ATP). ATK assembly of these packages will no longer be available for production. There is no change to the moisture performance of these packages.</p> <p>Attachment I details the qualification results for this change and Attachment II shows the affected list of devices.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

Refer to qualification results 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: \_\_\_\_\_



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

### **ATTACHMENT I - PCN # : A-0611-02**

**PCN Type:** Manufacturing Site - Assembly Transfer  
**Data Sheet Change:** None  
No change in moisture sensitivity level (MSL)

#### **Detail Of Change:**

This notification is to advise our customers that IDT has qualified the above-mentioned PBGA packages transferred from Amkor Technology, Korea (ATK) to Amkor Technology, Philippines (ATP). ATP will use the same qualified assembly material (die attach, bond wire, substrate and solder ball), assembly equipment and assembly process as ATK except for mold compound.

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

Attachment I details the qualification results for this change and Attachment II shows the affected list of devices.

#### **Sample Availability:**

Samples for each package type are available for customer evaluation, but may not be available for all devices.

Please contact your local IDT sales representative for your sample request and availability.



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : A-0611-02

#### Qualification Information and Qualification Data:

**Affected Packages:** PBGA  
119 ball count 14 x 22 mm PBGA (BG/BGG119)

**Assembly Material:** See table below

Description	From	To
Assembly Location	Amkor Technology, Korea	Amkor Technology, Philippines
Assembly Material	Die Attach: Ablestik 2300	Same
	Wire: 1.2mil Au	Same
	Mold Compound: EME-G770	Mold Compound: GE100L
	Substrate: BT	Same
	Solder Ball: Sn/Pb (standard) and Sn/Ag/Cu (green)	Same

#### Qualification Test Results:

**Test Vehicle:** 119-ball 14 x 22 mm PBGA ( 2 lots)

Test Description	Test Method	Test Results (SS/Rej)	
Moisture Sensitivity Classification, L3	J-STD-020B	22/0	22/0
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104-B	77/0	77/0
* Unbiased HAST (130°C, 85% RH, 168 hours)	JESD22-A118	77/0	77/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103-C	77/0	77/0

**Notes:** \* Test requires moisture pre-conditioning sequence per JESD22-A113C.



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN #: A-0611-02

#### Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
IDT71T75602S100BG	IDT71T75902S85BGG	IDT71V2557SA80BGI	IDT71V25781S183BGI
IDT71T75602S100BGG	IDT71T75902S85BGGI	IDT71V2557SA85BG	IDT71V25781S200BG
IDT71T75602S100BGGI	IDT71T75902S85BGI	IDT71V2557SA85BGI	IDT71V25781SA166BG
IDT71T75602S100BGI	IDT71V2546S100BG	IDT71V2558S100BG	IDT71V25781SA166BGI
IDT71T75602S133BG	IDT71V2546S100BGI	IDT71V2558S100BGI	IDT71V25781SA183BG
IDT71T75602S133BGI	IDT71V2546S133BG	IDT71V2558S133BG	IDT71V25781SA183BGI
IDT71T75602S150BG	IDT71V2546S133BGI	IDT71V2558S133BGI	IDT71V25781SA200BG
IDT71T75602S150BGG	IDT71V2546S150BG	IDT71V2558S166BG	IDT71V25781SA200BGI
IDT71T75602S150BGGI	IDT71V2546SA100BG	IDT71V2558S166BGI	IDT71V2578S133BG
IDT71T75602S150BGI	IDT71V2546SA100BGI	IDT71V2558S200BG	IDT71V2578S133BGI
IDT71T75602S166BG	IDT71V2546SA133BG	IDT71V2558SA100BG	IDT71V2578S150BGI
IDT71T75602S166BGG	IDT71V2546SA133BGI	IDT71V2558SA133BG	IDT71V2578SA133BGI
IDT71T75602S166BGGI	IDT71V2546SA150BG	IDT71V2559S75BG	IDT71V2579S75BG
IDT71T75602S166BGI	IDT71V2546SA150BGI	IDT71V2559S80BG	IDT71V2579S80BG
IDT71T75602S200BG	IDT71V2548S100BG	IDT71V2559S80BGI	IDT71V2579S80BGI
IDT71T75602S200BGG	IDT71V2548S100BGI	IDT71V2559S85BG	IDT71V2579S85BG
IDT71T75602S200BGGI	IDT71V2548S133BG	IDT71V2559S85BGI	IDT71V2579S85BGI
IDT71T75602S200BGI	IDT71V2548S133BGI	IDT71V2559SA75BG	IDT71V3548S100BG
IDT71T75702S75BG	IDT71V2548S150BG	IDT71V2559SA80BG	IDT71V3548S100BGI
IDT71T75702S75BGI	IDT71V2548S150BGI	IDT71V2559SA85BG	IDT71V3548S133BG
IDT71T75702S80BG	IDT71V2556S100BG	IDT71V25761S166BG	IDT71V3548S133BGI
IDT71T75702S80BGI	IDT71V2556S100BGI	IDT71V25761S166BGI	IDT71V3548SA100BG
IDT71T75702S85BG	IDT71V2556S133BG	IDT71V25761S183BG	IDT71V3548SA133BG
IDT71T75702S85BGI	IDT71V2556S133BGI	IDT71V25761S183BGI	IDT71V3556S100BG
IDT71T75802S100BG	IDT71V2556S166BG	IDT71V25761S200BG	IDT71V3556S100BGI
IDT71T75802S100BGI	IDT71V2556S166BGI	IDT71V25761SA166BG	IDT71V3556S133BG
IDT71T75802S133BG	IDT71V2556S200BG	IDT71V25761SA166BGI	IDT71V3556S133BGI
IDT71T75802S133BGI	IDT71V2556SA100BG	IDT71V25761SA183BG	IDT71V3556S150BG
IDT71T75802S150BG	IDT71V2556SA100BGG	IDT71V25761SA183BGI	IDT71V3556S166BG
IDT71T75802S150BGI	IDT71V2556SA100BGGI	IDT71V25761SA200BG	IDT71V3556S166BGI
IDT71T75802S166BG	IDT71V2556SA100BGI	IDT71V25761SA200BGI	IDT71V3556S200BG
IDT71T75802S166BGI	IDT71V2556SA133BG	IDT71V2576S133BG	IDT71V3556S200BGI
IDT71T75802S200BG	IDT71V2556SA133BGG	IDT71V2576S133BGI	IDT71V3556SA100BG
IDT71T75802S200BGG	IDT71V2556SA133BGI	IDT71V2576S150BG	IDT71V3556SA100BGG
IDT71T75802S200BGI	IDT71V2556SA166BG	IDT71V2576S150BGI	IDT71V3556SA100BGGI
IDT71T75902S75BG	IDT71V2556SA200BG	IDT71V2577S75BG	IDT71V3556SA100BGI
IDT71T75902S75BGG	IDT71V2557S75BG	IDT71V2577S75BGI	IDT71V3556SA133BG
IDT71T75902S75BGGI	IDT71V2557S80BG	IDT71V2577S80BG	IDT71V3556SA133BGG
IDT71T75902S75BGI	IDT71V2557S80BGI	IDT71V2577S80BGI	IDT71V3556SA133BGGI
IDT71T75902S80BG	IDT71V2557S85BG	IDT71V2577S85BG	IDT71V3556SA133BGI
IDT71T75902S80BGG	IDT71V2557S85BGI	IDT71V2577S85BGI	IDT71V3556SA150BG
IDT71T75902S80BGGI	IDT71V2557SA75BG	IDT71V25781S166BG	IDT71V3556SA150BGG
IDT71T75902S80BGI	IDT71V2557SA75BGI	IDT71V25781S166BGI	IDT71V3556SA150BGGI
IDT71T75902S85BG	IDT71V2557SA80BG	IDT71V25781S183BG	IDT71V3556SA166BG

Notes: For T & R (shipping method) "8" is added to the p/n.



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### ATTACHMENT II - PCN #: A-0611-02

#### Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
IDT71V3556SA166BGG	IDT71V35761S166BGI	IDT71V3577S85BGI	IDT71V3579SA75BG
IDT71V3556SA166BGGI	IDT71V35761S183BG	IDT71V3577SA75BG	IDT71V3579SA75BGG
IDT71V3556SA166BGI	IDT71V35761S183BGG	IDT71V3577SA75BGG	IDT71V3579SA75BGGI
IDT71V3556SA200BG	IDT71V35761S183BGGI	IDT71V3577SA75BGGI	IDT71V3579SA75BGI
IDT71V3556SA200BGG	IDT71V35761S183BGI	IDT71V3577SA80BG	IDT71V3579SA80BG
IDT71V3556SA200BGGI	IDT71V35761S200BG	IDT71V3577SA80BGG	IDT71V3579SA80BGI
IDT71V3556SA200BGI	IDT71V35761S200BGG	IDT71V3577SA80BGGI	IDT71V3579SA85BG
IDT71V3557S75BG	IDT71V35761S200BGGI	IDT71V3577SA85BG	IDT71V3579SA85BGI
IDT71V3557S75BGI	IDT71V35761S200BGI	IDT71V3577SA85BGG	IDT71V65602S100BG
IDT71V3557S80BG	IDT71V35761SA166BG	IDT71V35781S166BG	IDT71V65602S133BG
IDT71V3557S80BGI	IDT71V35761SA166BGG	IDT71V35781S166BGI	IDT71V65602S150BG
IDT71V3557S85BG	IDT71V35761SA166BGGI	IDT71V35781S183BG	IDT71V65603S100BG
IDT71V3557S85BGI	IDT71V35761SA166BGI	IDT71V35781S183BGI	IDT71V65603S100BGI
IDT71V3557SA75BG	IDT71V35761SA183BG	IDT71V35781S200BG	IDT71V65603S133BG
IDT71V3557SA75BGG	IDT71V35761SA183BGG	IDT71V35781SA166BG	IDT71V65603S133BGI
IDT71V3557SA75BGGI	IDT71V35761SA183BGGI	IDT71V35781SA166BGI	IDT71V65603S150BG
IDT71V3557SA75BGI	IDT71V35761SA183BGI	IDT71V35781SA183BG	IDT71V65603S150BGG
IDT71V3557SA80BG	IDT71V35761SA200BG	IDT71V35781SA183BGI	IDT71V65702S75BG
IDT71V3557SA80BGG	IDT71V35761SA200BGG	IDT71V35781SA200BG	IDT71V65702S80BG
IDT71V3557SA80BGGI	IDT71V35761SA200BGGI	IDT71V35781SA200BGI	IDT71V65702S85BG
IDT71V3557SA80BGI	IDT71V35761SA200BGI	IDT71V3578S100BGG	IDT71V65703S75BG
IDT71V3557SA85BG	IDT71V3576S100BGG	IDT71V3578S100BGGI	IDT71V65703S75BGG
IDT71V3557SA85BGG	IDT71V3576S100BGGI	IDT71V3578S133BG	IDT71V65703S80BG
IDT71V3557SA85BGGI	IDT71V3576S133BG	IDT71V3578S133BGG	IDT71V65703S80BGG
IDT71V3557SA85BGI	IDT71V3576S133BGG	IDT71V3578S133BGGI	IDT71V65703S85BG
IDT71V3558S100BG	IDT71V3576S133BGGI	IDT71V3578S133BGI	IDT71V65703S85BGG
IDT71V3558S133BG	IDT71V3576S133BGI	IDT71V3578S150BG	IDT71V65703S85BGGI
IDT71V3558S133BGI	IDT71V3576S150BG	IDT71V3578S150BGG	IDT71V65703S85BGI
IDT71V3558S166BG	IDT71V3576S150BGG	IDT71V3578S150BGGI	IDT71V65802S100BG
IDT71V3558S166BGI	IDT71V3576S150BGGI	IDT71V3578S150BGI	IDT71V65802S133BG
IDT71V3558S200BG	IDT71V3576S150BGI	IDT71V3578SA133BGI	IDT71V65802S150BG
IDT71V3558SA100BG	IDT71V3576SA133BG	IDT71V3578SA150BG	IDT71V65802S150BGG
IDT71V3558SA133BG	IDT71V3576SA133BGI	IDT71V3578SA150BGI	IDT71V65803S100BG
IDT71V3559S75BG	IDT71V3576SA150BGI	IDT71V3579S65BG	IDT71V65803S100BGG
IDT71V3559S80BG	IDT71V3577S75BG	IDT71V3579S65BGI	IDT71V65803S100BGGI
IDT71V3559S80BGI	IDT71V3577S75BGG	IDT71V3579S75BG	IDT71V65803S100BGI
IDT71V3559S85BG	IDT71V3577S75BGGI	IDT71V3579S75BGG	IDT71V65803S133BG
IDT71V3559S85BGI	IDT71V3577S75BGI	IDT71V3579S75BGGI	IDT71V65803S133BGG
IDT71V3559SA75BG	IDT71V3577S80BG	IDT71V3579S75BGI	IDT71V65803S133BGGI
IDT71V3559SA80BG	IDT71V3577S80BGG	IDT71V3579S80BG	IDT71V65803S133BGI
IDT71V3559SA85BG	IDT71V3577S80BGGI	IDT71V3579S80BGGI	IDT71V65803S150BG
IDT71V35761S166BG	IDT71V3577S80BGI	IDT71V3579S80BGI	IDT71V65902S75BG
IDT71V35761S166BGG	IDT71V3577S85BG	IDT71V3579S85BG	IDT71V65902S80BG
IDT71V35761S166BGGI	IDT71V3577S85BGG	IDT71V3579S85BGI	IDT71V65902S85BG

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#### Affected Part Number

IDT Part Number	IDT Part Number	IDT Part Number	IDT Part Number
IDT71V65903S75BG	IDT71V67612S166BG	IDT71V67703S80BGG	IDT71V67902S85BG
IDT71V65903S80BG	IDT71V67612S183BG	IDT71V67703S80BGGI	IDT71V67902S85BGI
IDT71V65903S85BG	IDT71V67612S200BG	IDT71V67703S85BG	IDT71V67903S75BG
IDT71V67602S133BG	IDT71V67613S166BG	IDT71V67703S85BGG	IDT71V67903S80BG
IDT71V67602S133BGG	IDT71V67613S183BG	IDT71V67703S85BGGI	IDT71V67903S85BG
IDT71V67602S133BGI	IDT71V67613S200BG	IDT71V67802S133BG	IDT7MMV4101S10BG
IDT71V67602S150BG	IDT71V67702S75BG	IDT71V67802S133BGI	IDT7MMV4101S10BGI
IDT71V67602S150BGG	IDT71V67702S75BGI	IDT71V67802S150BG	IDT7MMV4101S12BG
IDT71V67602S150BGI	IDT71V67702S80BG	IDT71V67802S150BGI	IDT7MMV4101S12BGI
IDT71V67602S166BG	IDT71V67702S80BGI	IDT71V67803S133BG	IDT7MMV4101S15BG
IDT71V67602S166BGG	IDT71V67702S85BG	IDT71V67803S150BG	IDT7MMV4101SA12BGI
IDT71V67603S133BG	IDT71V67702S85BGI	IDT71V67803S166BG	IDT7MMV4101SA15BG
IDT71V67603S133BGI	IDT71V67703S75BG	IDT71V67902S75BG	IDT7MMV4101SA15BGI
IDT71V67603S150BG	IDT71V67703S75BGG	IDT71V67902S75BGI	
IDT71V67603S150BGI	IDT71V67703S75BGGI	IDT71V67902S80BG	
IDT71V67603S166BG	IDT71V67703S80BG	IDT71V67902S80BGI	

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