



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

<b>PCN #:</b> <b>A0705-02</b> <b>DATE:</b> <b>7/26/2007</b> <b>Product Affected:</b> 17mm x 17mm CABGA-256, 7mm x 7mm FPBGA-48, 13mm x 15mm FPBGA-165 (See Attachment II for affected part numbers) <b>Date Effective:</b> <b>10/26/2007</b>	<b>MEANS OF DISTINGUISHING CHANGED DEVICES:</b> <input type="checkbox"/> Product Mark <input type="checkbox"/> Back Mark <input checked="" type="checkbox"/> <b>Date Code</b> 0740 onwards <input type="checkbox"/> Other
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<b>Contact:</b> Geoffrey Cortes <b>Title:</b> Product Quality <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 checked="" type="checkbox"/> <b>Material</b> <input type="checkbox"/> Testing <input type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other	<p>This notification is to inform our customers that IDT is converting to new mold compound GE100LFCS (standard) and GE100LFCS-V (low alpha) as a result of the existing mold compound G770S (standard) and G770SF (low alpha) are being obsolete.</p> <p>There is no change to the moisture performance of these packages.</p> <p>Please see attachment for qualification data and affected part number list.</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"/> <b><i>Approval for shipments prior to effective date.</i></b>
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 #: A0705-02

**PCN Type:** Assembly Material Change

**Data Sheet Change:** None

**Detail Of Change:** This notification is to inform our customers that IDT is converting to new mold compound GE100LFCS (standard) and GE100LFCS-V (low alpha) as a result of the existing mold compound G770S (standard) and G770SF (low alpha) are being obsoleted.

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 part numbers.

Description	Affected Package Types	Material	
		Old	New
Mold Compound Material	17mm x 17mm CABGA-256, 7mm x 7mm FPBGA-48, 13mm x 15mm FPBGA-165	G770S (standard) and G770SF (low alpha)	GE100LFCS (standard) and GE100LFCS-V (low alpha)

**Sample Availability:** Samples are not built ahead of the change and are limited to selective devices. Please contact your local IDT sales representative for sample request and availability.



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### ATTACHMENT I - PCN #: A0705-02

**Qualification Plan #:** P06-09-03R1

**Test Vehicle:** 17mm x 17mm CABGA-256 ( 3 lots )

**Qualification Test Plan and Results:**

Test Description	Test Method	Test Results (SS/Rej)		
		Lot 1	Lot 2	Lot 3
* Temperature Cycling (Cond B, 1000 cycles)	JESD22-A104B	45/0	45/0	45/0
* HAST (130°C, 85% RH, 100 hours)	JESD22-A110B	44/0	45/0	45/0
High Temperature Stabilization Bake (150 °C, 1000 hours)	JESD22-A103B	77/1**	77/0	N/A
Moisture Sensitivity Classification, L3	J-STD-020C	45/0	45/0	N/A

**Note:** \* Test require moisture pre-conditioning sequence per JESD22-A113.

\*\* 1 unit functional failure due to die defect, this is unrelated to Assembly packaging



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN # : A0705-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT70T3539MS133BC	IDT71P72204S250BQ	IDT71P74204S167BQ	IDT71V016SA12BFI
IDT70T3539MS133BCG	IDT71P72604S133BQ	IDT71P74204S200BQ	IDT71V016SA15BF
IDT70T3539MS133BCI	IDT71P72604S167BQ	IDT71P74204S250BQ	IDT71V016SA15BF1
IDT70T3539MS166BC	IDT71P72604S167BQG	IDT71P74204S300BQ	IDT71V016SA15BFG
IDT70T3539MS166BCG	IDT71P72604S167BQI	IDT71P74204S333BQ	IDT71V016SA15BFGI
IDT70T653MS10BC	IDT71P72604S200BQ	IDT71P74604S167BQ	IDT71V016SA15BFI
IDT70T653MS10BCG	IDT71P72604S200BQG	IDT71P74604S167BQG	IDT71V016SA20BF
IDT70T653MS10BCI	IDT71P72604S200BQI	IDT71P74604S167BQGI	IDT71V016SA20BF1
IDT70T653MS12BC	IDT71P72604S250BQ	IDT71P74604S200BQ	IDT71V016SA20BFG
IDT70T653MS12BCG	IDT71P72604S250BQG	IDT71P74604S200BQG	IDT71V016SA20BFGI
IDT70T653MS12BCGI	IDT71P72604S250BQI	IDT71P74604S250BQ	IDT71V016SA20BFI
IDT70T653MS12BCI	IDT71P72804S133BQ	IDT71P74604S250BQG	IDT71V2546S100BQ
IDT70T653MS15BC	IDT71P72804S167BQ	IDT71P74604S300BQ	IDT71V2546S100BQI
IDT71P71104S167BQ	IDT71P72804S167BQG	IDT71P74604S333BQ	IDT71V2546S133BQ
IDT71P71104S200BQ	IDT71P72804S167BQGI	IDT71P74804S133BQ	IDT71V2546S133BQI
IDT71P71104S250BQ	IDT71P72804S167BQI	IDT71P74804S167BQ	IDT71V2546S150BQ
IDT71P71104S300BQ	IDT71P72804S200BQ	IDT71P74804S167BQG	IDT71V2546SA100BQ
IDT71P71104S333BQ	IDT71P72804S200BQG	IDT71P74804S200BQ	IDT71V2546SA100BQI
IDT71P71204S167BQ	IDT71P72804S250BQ	IDT71P74804S200BQG	IDT71V2546SA133BQ
IDT71P71204S200BQ	IDT71P72804S250BQG	IDT71P74804S250BQ	IDT71V2546SA133BQI
IDT71P71204S250BQ	IDT71P73104S167BQ	IDT71P74804S250BQG	IDT71V2546SA150BQ
IDT71P71204S300BQ	IDT71P73104S200BQ	IDT71P74804S300BQ	IDT71V2546SA150BQI
IDT71P71204S333BQ	IDT71P73104S250BQ	IDT71P74804S333BQ	IDT71V2548S133BQ
IDT71P71604S167BQ	IDT71P73104S300BQ	IDT71P79804S167BQI	IDT71V2548SA100BQ
IDT71P71604S167BQG	IDT71P73104S333BQ	IDT71P79804S250BQ	IDT71V2548SA100BQI
IDT71P71604S200BQ	IDT71P73204S167BQ	IDT71P79804S250BQG	IDT71V2548SA133BQ
IDT71P71604S200BQG	IDT71P73204S200BQ	IDT71P79804S250BQGI	IDT71V2548SA133BQI
IDT71P71604S250BQ	IDT71P73204S250BQ	IDT71P79804S250BQI	IDT71V2548SA150BQ
IDT71P71604S250BQG	IDT71P73204S300BQ	IDT71P79804S267BQ	IDT71V2548SA150BQI
IDT71P71604S300BQ	IDT71P73204S333BQ	IDT71P79804S267BQI	IDT71V2556S100BQ
IDT71P71604S333BQ	IDT71P73604S167BQ	IDT71T016SA12BF	IDT71V2556S100BQI
IDT71P71804S167BQ	IDT71P73604S200BQ	IDT71T016SA12BFI	IDT71V2556S133BQ
IDT71P71804S167BQG	IDT71P73604S250BQ	IDT71T016SA15BF	IDT71V2556S133BQI
IDT71P71804S200BQ	IDT71P73604S300BQ	IDT71T016SA15BFI	IDT71V2556S150BQ
IDT71P71804S200BQG	IDT71P73604S333BQ	IDT71T016SA20BF	IDT71V2556S166BQ
IDT71P71804S200BQI	IDT71P73804S167BQ	IDT71T016SA20BFI	IDT71V2556S200BQ
IDT71P71804S250BQ	IDT71P73804S200BQ	IDT71V016SA10BF	IDT71V2556SA100BQ
IDT71P71804S250BQG	IDT71P73804S250BQ	IDT71V016SA10BFG	IDT71V2556SA100BQI
IDT71P71804S300BQ	IDT71P73804S300BQ	IDT71V016SA10BFGI	IDT71V2556SA133BQ
IDT71P71804S333BQ	IDT71P73804S333BQ	IDT71V016SA10BFI	IDT71V2556SA133BQG
IDT71P72104S167BQ	IDT71P74104S167BQ	IDT71V016SA12BF	IDT71V2556SA133BQGI
IDT71P72104S200BQ	IDT71P74104S200BQ	IDT71V016SA12BF1	IDT71V2556SA133BQI
IDT71P72104S250BQ	IDT71P74104S250BQ	IDT71V016SA12BFG	IDT71V2556SA150BQ
IDT71P72204S167BQ	IDT71P74104S300BQ	IDT71V016SA12BFG1	IDT71V2556SA166BQ
IDT71P72204S200BQ	IDT71P74104S333BQ	IDT71V016SA12BFGI	IDT71V2556SA166BQG

Notes: For T & R (shipping method) "8" is added to the IDT part# suffix



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### ATTACHMENT II - PCN # : A0705-02

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT71V2556SA166BQGI	IDT71V25781SA183BQ	IDT71V3556SA166BQG	IDT71V3559SA75BQG
IDT71V2556SA200BQ	IDT71V25781SA183BQI	IDT71V3556SA166BQGI	IDT71V3559SA75BQGI
IDT71V2556SA200BQI	IDT71V25781SA200BQ	IDT71V3556SA200BQ	IDT71V3559SA75BQI
IDT71V2557S75BQ	IDT71V25781SA200BQI	IDT71V3556SA200BQG	IDT71V3559SA80BQ
IDT71V2557S75BQG	IDT71V2578S133BQ	IDT71V3557S75BQ	IDT71V3559SA80BQG
IDT71V2557S80BQ	IDT71V2578S133BQGI	IDT71V3557S80BQ	IDT71V3559SA80BQGI
IDT71V2557S80BQG	IDT71V2578S133BQI	IDT71V3557S80BQI	IDT71V3559SA85BQ
IDT71V2557S80BQI	IDT71V2578S150BQ	IDT71V3557S85BQ	IDT71V3559SA85BQG
IDT71V2557S85BQ	IDT71V2578S150BQGI	IDT71V3557S85BQI	IDT71V3559SA85BQGI
IDT71V2557S85BQI	IDT71V2578S150BQI	IDT71V3557SA75BQ	IDT71V3559SA85BQI
IDT71V2557SA75BQ	IDT71V2578SA133BQGI	IDT71V3557SA75BQG	IDT71V35761S166BQ
IDT71V2557SA75BQI	IDT71V3548S100BQ	IDT71V3557SA75BQGI	IDT71V35761S166BQG
IDT71V2557SA80BQ	IDT71V3548S100BQI	IDT71V3557SA75BQI	IDT71V35761S166BQGI
IDT71V2557SA80BQI	IDT71V3548S133BQ	IDT71V3557SA80BQ	IDT71V35761S166BQI
IDT71V2557SA85BQ	IDT71V3548S133BQI	IDT71V3557SA80BQG	IDT71V35761S183BQ
IDT71V2557SA85BQI	IDT71V3548SA100BQ	IDT71V3557SA80BQGI	IDT71V35761S183BQG
IDT71V2558S100BQ	IDT71V3548SA100BQG	IDT71V3557SA80BQI	IDT71V35761S183BQGI
IDT71V2558S100BQI	IDT71V3548SA100BQGI	IDT71V3557SA85BQ	IDT71V35761S183BQI
IDT71V2558S133BQ	IDT71V3548SA133BQ	IDT71V3557SA85BQG	IDT71V35761S200BQ
IDT71V2558S133BQI	IDT71V3548SA133BQG	IDT71V3557SA85BQGI	IDT71V35761S200BQG
IDT71V2559S75BQ	IDT71V3548SA133BQGI	IDT71V3557SA85BQI	IDT71V35761S200BQGI
IDT71V2559S80BQ	IDT71V3556S100BQ	IDT71V3558S100BQ	IDT71V35761S200BQI
IDT71V2559S85BQ	IDT71V3556S100BQG	IDT71V3558S100BQI	IDT71V35761SA166BQ
IDT71V2559SA75BQ	IDT71V3556S100BQGI	IDT71V3558S133BQ	IDT71V35761SA166BQG
IDT71V2559SA80BQ	IDT71V3556S100BQI	IDT71V3558S200BQ	IDT71V35761SA166BQGI
IDT71V2559SA85BQ	IDT71V3556S133BQ	IDT71V3558S200BQI	IDT71V35761SA166BQI
IDT71V25761SA166BQ	IDT71V3556S133BQG	IDT71V3558SA100BQ	IDT71V35761SA183BQ
IDT71V25761SA166BQGI	IDT71V3556S133BQGI	IDT71V3558SA100BQG	IDT71V35761SA183BQG
IDT71V25761SA166BQI	IDT71V3556S133BQI	IDT71V3558SA100BQGI	IDT71V35761SA183BQI
IDT71V25761SA183BQ	IDT71V3556S150BQ	IDT71V3558SA133BQ	IDT71V35761SA200BQ
IDT71V25761SA183BQI	IDT71V3556S166BQ	IDT71V3558SA133BQG	IDT71V35761SA200BQG
IDT71V25761SA200BQ	IDT71V3556S166BQG	IDT71V3558SA133BQGI	IDT71V35761SA200BQGI
IDT71V25761SA200BQI	IDT71V3556S166BQGI	IDT71V3558SA166BQG	IDT71V35761SA200BQI
IDT71V2576S133BQ	IDT71V3556S200BQ	IDT71V3558SA166BQGI	IDT71V3576S133BQ
IDT71V2576S133BQI	IDT71V3556S200BQG	IDT71V3558SA200BQG	IDT71V3576S133BQG
IDT71V2576S150BQ	IDT71V3556SA100BQ	IDT71V3558SA200BQGI	IDT71V3576S133BQGI
IDT71V2576S150BQI	IDT71V3556SA100BQG	IDT71V3559S75BQ	IDT71V3576S133BQI
IDT71V2577S75BQ	IDT71V3556SA100BQGI	IDT71V3559S75BQI	IDT71V3576S150BQ
IDT71V2577S75BQI	IDT71V3556SA100BQI	IDT71V3559S80BQ	IDT71V3576S150BQG
IDT71V2577S80BQ	IDT71V3556SA133BQ	IDT71V3559S80BQG	IDT71V3576S150BQGI
IDT71V2577S80BQI	IDT71V3556SA133BQG	IDT71V3559S80BQI	IDT71V3576S150BQI
IDT71V2577S85BQ	IDT71V3556SA133BQGI	IDT71V3559S85BQ	IDT71V3576SA133BQ
IDT71V2577S85BQI	IDT71V3556SA133BQI	IDT71V3559S85BQG	IDT71V3576SA133BQG
IDT71V25781SA166BQ	IDT71V3556SA150BQ	IDT71V3559S85BQI	IDT71V3576SA133BQGI
IDT71V25781SA166BQI	IDT71V3556SA166BQ	IDT71V3559SA75BQ	IDT71V3576SA133BQI

Notes: For T & R (shipping method) "8" is added to the IDT part# suffix



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#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT71V3576SA150BQ	IDT71V3579S85BQI	IDT71V65803S100BQG	IDT71V67703S80BQ
IDT71V3576SA150BQG	IDT71V3579SA65BQ	IDT71V65803S100BQI	IDT71V67703S80BQG
IDT71V3576SA150BQGI	IDT71V3579SA75BQ	IDT71V65803S133BQ	IDT71V67703S80BQGI
IDT71V3576SA150BQI	IDT71V3579SA75BQG	IDT71V65803S133BQG	IDT71V67703S80BQI
IDT71V3577S65BQ	IDT71V3579SA75BQGI	IDT71V65803S133BQI	IDT71V67703S85BQ
IDT71V3577S75BQ	IDT71V3579SA75BQI	IDT71V65803S150BQ	IDT71V67703S85BQG
IDT71V3577S75BQI	IDT71V3579SA80BQ	IDT71V65803S150BQG	IDT71V67703S85BQGI
IDT71V3577S80BQ	IDT71V3579SA80BQG	IDT71V65803S150BQI	IDT71V67703S85BQI
IDT71V3577S80BQI	IDT71V3579SA80BQGI	IDT71V65902S75BQ	IDT71V67802S133BQ
IDT71V3577S85BQ	IDT71V3579SA80BQI	IDT71V65902S80BQ	IDT71V67802S133BQI
IDT71V3577S85BQG	IDT71V3579SA85BQ	IDT71V65902S85BQ	IDT71V67802S150BQ
IDT71V3577S85BQI	IDT71V3579SA85BQI	IDT71V65903S75BQ	IDT71V67802S150BQI
IDT71V3577SA75BQ	IDT71V65602S100BQ	IDT71V65903S75BQG	IDT71V67802S166BQ
IDT71V3577SA75BQGI	IDT71V65602S133BQ	IDT71V65903S80BQ	IDT71V67803S133BQ
IDT71V3577SA75BQI	IDT71V65602S150BQ	IDT71V65903S80BQG	IDT71V67803S133BQG
IDT71V3577SA80BQ	IDT71V65603S100BQ	IDT71V65903S85BQ	IDT71V67803S133BQGI
IDT71V3577SA80BQI	IDT71V65603S100BQG	IDT71V65903S85BQG	IDT71V67803S133BQI
IDT71V3577SA85BQ	IDT71V65603S100BQGI	IDT71V67602S133BQ	IDT71V67803S150BQ
IDT71V3577SA85BQG	IDT71V65603S100BQI	IDT71V67602S133BQG	IDT71V67803S150BQI
IDT71V3577SA85BQI	IDT71V65603S133BQ	IDT71V67602S133BQGI	IDT71V67803S166BQ
IDT71V35781SA166BQ	IDT71V65603S133BQG	IDT71V67602S133BQI	IDT71V67803S166BQG
IDT71V35781SA166BQI	IDT71V65603S133BQGI	IDT71V67602S150BQ	IDT71V67902S75BQ
IDT71V35781SA183BQ	IDT71V65603S133BQI	IDT71V67602S150BQI	IDT71V67902S75BQI
IDT71V35781SA183BQI	IDT71V65603S150BQ	IDT71V67602S166BQ	IDT71V67902S80BQ
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IDT71V3578S133BQ	IDT71V65603S150BQI	IDT71V67602S166BQI	IDT71V67902S85BQI
IDT71V3578S133BQI	IDT71V65702S75BQ	IDT71V67603S133BQ	IDT71V67903S75BQ
IDT71V3578S150BQ	IDT71V65702S80BQ	IDT71V67603S133BQG	IDT71V67903S75BQI
IDT71V3578SA133BQ	IDT71V65702S85BQ	IDT71V67603S133BQGI	IDT71V67903S80BQ
IDT71V3578SA133BQI	IDT71V65703S75BQ	IDT71V67603S133BQI	IDT71V67903S80BQI
IDT71V3578SA150BQ	IDT71V65703S75BQG	IDT71V67603S150BQ	IDT71V67903S85BQ
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IDT71V3579S75BQ	IDT71V65703S80BQGI	IDT71V67603S166BQ	IDT75N43102S50BCG
IDT71V3579S75BQG	IDT71V65703S80BQI	IDT71V67603S166BQG	IDT75N43102S50BCGI
IDT71V3579S75BQGI	IDT71V65703S85BQ	IDT71V67702S75BQ	IDT75N43102S50BCI
IDT71V3579S75BQI	IDT71V65703S85BQG	IDT71V67702S75BQI	IDT75N43102S62BC
IDT71V3579S80BQ	IDT71V65703S85BQGI	IDT71V67702S80BQ	IDT75N43102S62BCG
IDT71V3579S80BQG	IDT71V65703S85BQI	IDT71V67702S80BQI	
IDT71V3579S80BQGI	IDT71V65802S100BQ	IDT71V67702S85BQ	
IDT71V3579S80BQI	IDT71V65802S133BQ	IDT71V67702S85BQI	
IDT71V3579S85BQ	IDT71V65802S133BQI	IDT71V67703S75BQ	
IDT71V3579S85BQG	IDT71V65802S150BQ	IDT71V67703S75BQG	
IDT71V3579S85BQGI	IDT71V65803S100BQ	IDT71V67703S75BQGI	

Notes: For T & R (shipping method) "8" is added to the IDT part# suffix