



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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: <b>A0705-01</b>	DATE: <b>6/11/2007</b>	MEANS OF DISTINGUISHING CHANGED DEVICES:	
Product Affected: Ceramic DIP, Sidebraze and Topbraze of 28 leads or more (Refer to Att. II for affected part numbers)		<input type="checkbox"/> Product Mark	Shipment starting from 9/11/2007
Date Effective: <b>9/11/2007</b>		<input type="checkbox"/> Back Mark	
		<input type="checkbox"/> Date Code	
		<input checked="" type="checkbox"/> Other	

Contact: Geoffrey Cortes		Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Title: Product Quality		Samples: Please contact your local sales representative for sample request & availability.	
Phone #: (408) 284-8321			
Fax #: (408) 284-1450			
E-mail: <a href="mailto:Geoffrey.Cortes@idt.com">Geoffrey.Cortes@idt.com</a>			

**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	<p>This notification is to advise our customers that there will be a change of material from silicon bump to bumper tape, which is applied at the package end to prevent package crack or chip as a result of knocking between units.</p> <p>Attachment I details the change. Attachment II provides the affected part numbers.</p>
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**RELIABILITY/QUALIFICATION SUMMARY:**

There is no impact on the package performance and reliability.

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

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**IDT ACKNOWLEDGMENT OF RECEIPT:**

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



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### ATTACHMENT I - PCN #: A0705-01

**PCN Type:** Assembly Material Change  
**Data Sheet Change:** None  
**Detail Of Change:** This notification is to advise our customers that there will be a change of material from silicon bump to bumper tape, which is applied at the package end (opposite pin 1) to prevent package crack or chip as a result of knocking between units.

The new materials have passed IDT's internal qualification requirement.

Attachment II provides the affected part numbers.

Description	Existing Material	New Material
Material	Silicon bump	Bumper tape

#### Affected Packages:

IDT Package Code	Package Description
SD28	28L-Cerdip 300mil
CD28	28L-Cerdip 600mil
CD32	32L-Cerdip 600mil
CD40	40L-Cerdip 600mil
SK28	28L-Sidebrazed 300mil
SK32	32L-Sidebrazed 300mil
SF28	28L-Sidebrazed 400mil
SF32	32L-Sidebrazed 400mil
SF48	48L-Sidebrazed 400mil
SB28	28L-Sidebrazed 600mil
SB32	32L-Sidebrazed 600mil
SB40	40L-Sidebrazed 600mil
SB48	48L-Sidebrazed 600mil
SB64	64L-Topbrazed 900mil
SB68	68L-Sidebrazed 600mil
TB64	64L-Topbrazed 900mil



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### ATTACHMENT I - PCN #: A0705-01

Silicon bump

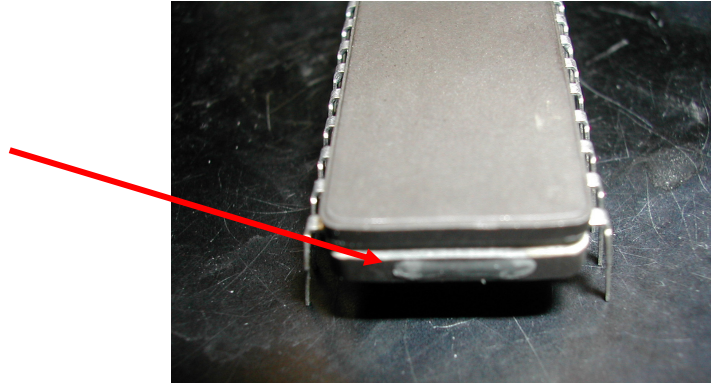


Figure 1: Existing material - Silicon bump



Figure 2: New material - Bumper tape



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### ATTACHMENT I - PCN #: A0705-01

**Test Vehicle:** IDT71256L4, 28L-Cerdip 600mil

**Qualification Test Plan and Results:**

Test Description	Reject / Sample Size	Result
Adhesion Pull Test (Bake 175°C, 1000 hours)	0/10 units	Pass
3X Visual Inspection @ IQC & FVI (package chip or crack)	0/1571 units	Pass
5 Feet Drop Test (6 drops, 1 drop per side). 3X Visual Inspection after Drop Test (package chip or crack)	0/4 tubes	Pass



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## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT II - PCN # : A0705-01

#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT5962-8687501XA	IDT5962-8866905YA	IDT71256L85DB	IDT7130SA90C
IDT5962-8687502XA	IDT5962-8866906YA	IDT71256L85TDB	IDT7130SA90CB
IDT5962-8687503XA	IDT5962-8953605XA	IDT71256S100DB	IDT7132LA100C
IDT5962-8687504XA	IDT5962-8953605YA	IDT71256S100TDB	IDT7132LA100CB
IDT5962-8687505XA	IDT5962-8953606XA	IDT71256S25DB	IDT7132LA100CM
IDT5962-8687506XA	IDT5962-8953606YA	IDT71256S25TDB	IDT7132LA120CB
IDT5962-8687507XA	IDT5962-8956702XA	IDT71256S35DB	IDT7132LA35C
IDT5962-8687508XA	IDT5962-8956705XA	IDT71256S35TDB	IDT7132LA35CB
IDT5962-8687509XA	IDT5962-8956804XA	IDT71256S45DB	IDT7132LA35CM
IDT5962-8687510XA	IDT5962-8956806UA	IDT71256S45TDB	IDT7132LA45C
IDT5962-8687511XA	IDT5962-8956806XA	IDT71256S55DB	IDT7132LA45CB
IDT5962-8687512XA	IDT5962-8956807UA	IDT71256S55TDB	IDT7132LA45CM
IDT5962-8687513XA	IDT5962-8956807XA	IDT71256S70DB	IDT7132LA55C
IDT5962-8687514XA	IDT5962-8966606XA	IDT71256S70TDB	IDT7132LA55CB
IDT5962-8687515XA	IDT5962-8976401MXA	IDT71256S85DB	IDT7132LA55CM
IDT5962-8687516XA	IDT5962-8976402MXA	IDT71256S85TDB	IDT7132LA70C
IDT5962-8687521XA	IDT5962-8976403MXA	IDT7130LA100C	IDT7132LA70CB
IDT5962-8687522XA	IDT5962-8976404MXA	IDT7130LA100CB	IDT7132LA90C
IDT5962-8700201ZA	IDT5962-8976405MXA	IDT7130LA120CB	IDT7132LA90CB
IDT5962-8700202ZA	IDT5962-8976406MXA	IDT7130LA120CM	IDT7132SA100C
IDT5962-8700203ZA	IDT5962-8976407MXA	IDT7130LA35C	IDT7132SA100CB
IDT5962-8700204ZA	IDT5962-8976408MXA	IDT7130LA35CB	IDT7132SA120CB
IDT5962-8700205ZA	IDT5962-8986303YA	IDT7130LA45C	IDT7132SA120CM
IDT5962-8700206ZA	IDT5962-8986305YA	IDT7130LA45CB	IDT7132SA35C
IDT5962-8700207ZA	IDT5962-9167703MXA	IDT7130LA55C	IDT7132SA35CB
IDT5962-8700208ZA	IDT5962-9167703MYA	IDT7130LA55CB	IDT7132SA45C
IDT5962-8700209ZA	IDT5962-9313803MXA	IDT7130LA70C	IDT7132SA45CB
IDT5962-8700210ZA	IDT5962-9317702MXA	IDT7130LA70CB	IDT7132SA55C
IDT5962-8700211ZA	IDT5962-9317703MXA	IDT7130LA90C	IDT7132SA55CB
IDT5962-8700212ZA	IDT5962-9550603MXA	IDT7130LA90CB	IDT7132SA70C
IDT5962-8700213ZA	IDT71256L100DB	IDT7130SA100C	IDT7132SA70CB
IDT5962-8700214ZA	IDT71256L100TDB	IDT7130SA100CB	IDT7132SA90C
IDT5962-8700215ZA	IDT71256L120DB	IDT7130SA100CM	IDT7132SA90CB
IDT5962-8700216ZA	IDT71256L150DB	IDT7130SA120CB	IDT7134LA35CB
IDT5962-8700217ZA	IDT71256L25DB	IDT7130SA120CM	IDT7134LA45CB
IDT5962-8700218ZA	IDT71256L25TDB	IDT7130SA35C	IDT7134LA55CB
IDT5962-8700221ZA	IDT71256L35DB	IDT7130SA35CB	IDT7134LA70CB
IDT5962-8700222ZA	IDT71256L35TDB	IDT7130SA45C	IDT7134SA25CB
IDT5962-8753101TA	IDT71256L45DB	IDT7130SA45CB	IDT7134SA35CB
IDT5962-8753101XA	IDT71256L45TDB	IDT7130SA55C	IDT7134SA45CB
IDT5962-8753102TA	IDT71256L55DB	IDT7130SA55CB	IDT7134SA55CB
IDT5962-8753102XA	IDT71256L55TDB	IDT7130SA55CM	IDT7134SA70CB
IDT5962-8753103TA	IDT71256L70DB	IDT7130SA70C	IDT7140LA100C
IDT5962-8753103XA	IDT71256L70TDB	IDT7130SA70CB	IDT7140LA100CB

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



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#### Affected Part Number

Part Number	Part Number	Part Number	Part Number
IDT7140LA120CB	IDT7142SA100C	IDT7164S25TDB	IDT7203L20TDB
IDT7140LA35C	IDT7142SA100CB	IDT7164S35DB	IDT7203L30DB
IDT7140LA35CB	IDT7142SA120CB	IDT7164S35TDB	IDT7203L30TDB
IDT7140LA45CB	IDT7142SA35C	IDT7164S45DB	IDT7203L40DB
IDT7140LA55C	IDT7142SA35CB	IDT7164S45TDB	IDT7203L40TDB
IDT7140LA55CB	IDT7142SA45C	IDT7164S55DB	IDT7203L80DB
IDT7140LA70CB	IDT7142SA45CB	IDT7164S55TDB	IDT7203S20TDB
IDT7140LA90CB	IDT7142SA55C	IDT7164S70DB	IDT7203S30TDB
IDT7140SA100C	IDT7142SA55CB	IDT7164S70TDB	IDT7204L20DB
IDT7140SA100CB	IDT7142SA70C	IDT7164S85DB	IDT7204L20TDB
IDT7140SA120CB	IDT7142SA70CB	IDT7164S85TDB	IDT7204L30DB
IDT7140SA35C	IDT7142SA90C	IDT7200L20TDB	IDT7204L30TDB
IDT7140SA35CB	IDT7142SA90CB	IDT7200L30TDB	IDT7204L40TDB
IDT7140SA45CB	IDT7164L100DB	IDT7201LA120DB	IDT7204L50DB
IDT7140SA55C	IDT7164L20DB	IDT7201LA20DB	IDT7204L50TDB
IDT7140SA55CB	IDT7164L20TDB	IDT7201LA20TDB	IDT7205L20DB
IDT7140SA70CB	IDT7164L25DB	IDT7201LA30DB	IDT7205L20TDB
IDT7140SA90CB	IDT7164L25TDB	IDT7201LA30TDB	IDT7205L30DB
IDT7142LA100C	IDT7164L35DB	IDT7201LA40DB	IDT7205L30TDB
IDT7142LA100CB	IDT7164L35TDB	IDT7201LA40TDB	IDT7206L20DB
IDT7142LA120CB	IDT7164L45DB	IDT7201LA50DB	IDT7206L30DB
IDT7142LA35C	IDT7164L45TDB	IDT7201LA50TDB	IDT7206L50DB
IDT7142LA35CB	IDT7164L55DB	IDT7201LA80DB	IDT7207L20DB
IDT7142LA45C	IDT7164L55TDB	IDT7201LA80TDB	IDT7207L30DB
IDT7142LA45CB	IDT7164L70DB	IDT7201SA30TDB	IDT72200L20TCB
IDT7142LA45CM	IDT7164L70TDB	IDT7201SA50TDB	IDT72200L30TCB
IDT7142LA55C	IDT7164L85DB	IDT7202LA20DB	IDT72220L25TCB
IDT7142LA55CB	IDT7164L85TDB	IDT7202LA20TDB	IDT72240L20TCB
IDT7142LA70C	IDT7164S100DB	IDT7202LA30DB	IDT72240L25TCB
IDT7142LA70CB	IDT7164S20DB	IDT7202LA30TDB	IDT8M624S40CB
IDT7142LA90C	IDT7164S20TDB	IDT7202LA40DB	
IDT7142LA90CB	IDT7164S25DB	IDT7203L20DB	

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