



Integrated Device Technology, Inc.
 6024 Silver Creek Valley Road
 San Jose, CA 96138

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: A1007-06 DATE: February 11, 2011 Product Affected: 4.4mm x 5.0mm TSSOP-16 (green) & 4.4mm x 6.5mm TSSOP-20 (green) (Refer to Attachment 2 for affected part#) Date Effective: May 13, 2011	MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark <input checked="" type="checkbox"/> Back Mark Lot # will have a "Y" suffix <input type="checkbox"/> Date Code <input type="checkbox"/> Other
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Contact: Mary Vesey Title: Director, Product Assurance Phone #: (408) 284-4565 Fax #: (408) 284-1450 E-mail: Mary.Vesey@com	Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples: Contact your local IDT sales representative for sample requests.
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DESCRIPTION AND PURPOSE OF CHANGE:

<input type="checkbox"/> Die Technology	
<input type="checkbox"/> Wafer Fabrication Process	This notification is to advise our customers that IDT is adding additional package types in Copper bond wire process to be built at Amkor, Philippines and plans to ship products with Copper bond wire process starting May 13, 2011.
<input type="checkbox"/> Assembly Process	
<input type="checkbox"/> Equipment	
<input checked="" type="checkbox"/> Material	There is no change to the moisture performance of these packages.
<input type="checkbox"/> Testing	
<input type="checkbox"/> Manufacturing Site	Please refer to the following attachments for additional information.
<input type="checkbox"/> Data Sheet	Attachment 1 outlines the qualification data.
<input type="checkbox"/> Other	Attachment 2 shows the affected part numbers.

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 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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ATTACHMENT 1 - PCN # : A1007-06

PCN Type: Assembly Material Change - Gold wire to Copper wire

Data Sheet Change: None

Detail Of Change:

This notification is to advise our customers that IDT is adding additional package types in Copper bond wire process to be built at Amkor, Philippines and plans to ship products with Copper bond wire process starting May 13, 2011. Presently, Amkor Philippines is a qualified assembly location for Copper bond wire process on packages as follows:

TSSOP 16, 20, 24 (green)
TSSOP 48, 56, 64 (black & green)
SOIC 8 (black & green)
SSOP 48, 56 (black & green)

There is no change to the moisture performance of these packages.

Customers may expect to receive shipments with Copper wire process no sooner than 90 days from the date of this notification, February 11, 2011. Product assembled with Gold and Copper wire will be shipped during the transition period or until the Gold wire inventory has been depleted. However please note that product assembled with Gold and Copper wire will not be mixed in one tray stack, or tape and reel.

We request you to acknowledge receipt of this notification within 30 days of the date of this PCN notification. If you require samples to conduct and evaluation, please make your sample request within 30 days as samples are not built ahead of the change for all device options. You may contact your local sales representative to acknowledge this PCN and request samples.



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Assembly Material : There is no change in the mold compound and die attach materials. The material set used in assembly is in compliance with ROHS 6 (green products) requirement.

Sample Availability : Samples are not built ahead of the change for all device types and may not be available for all affected device types.
 Please contact your local IDT sales representative for your sample request and availability.

Qualification Test Result :

1. Copper Bond Wire Qual Results

Qual Vehicle: 6.1mm x 17.0mm TSSOP-64 (2 lots)

Qual Plan#: P08-03-01

Test Description	Test Method	Test Results (SS / Rej)	
		Lot1	Lot2
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 100 Hrs)	JESD22-A110	45/0	45/0
* Temperature Cycle / Condition B (-55 °C to +125 °C, 1000 Cyc)	JESD22-A104	45/0	45/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	77/0	¹ 76/0
Ball Shear Test	JESD22-B116	5/0	5/0
Wire Bond Pull Test	IDT Spec MAC-3010	5/0	5/0
X-ray Examination	IDT Spec MAC-3012	45/0	45/0

Note:

* Test requires moisture pre-conditioning sequence per JESD22-A113C and will use the existing moisture sensitivity level that has been qualified for this material set.

¹ One unit mechanical reject due to missing leads as such unable to test on ATE

2. Product Electrical Characterization

Product electrical characterization has been successfully completed on representative product families and copper wire performance was comparable to gold wire performance.



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ATTACHMENT 2 - PCN # : A1007-06

Affected Part Number

Part Number	Part Number	Part Number	Part Number
5T9302PGG	83056AGI-01LFT	840004AGI-HPLF	841S102EGILFT
5T9302PGG8	83056AGILF	840004AGI-HPLFT	8421002AGI-01LF
5T93GL02PGGI	83056AGILFT	840004AGLF	8421002AGI-01LFT
5T93GL02PGGI8	83058AGILF	840004AGLFT	8422002AGILF
5V926APGGI	83058AGILFT	840004BGI-01LF	8422002AGILFT
5V926APGGI8	8305AG-02LF	840004BGI-01LFT	843001AG-23LF
5V927PGGI	8305AG-02LFT	840004BGI-11LF	843001AG-23LFT
5V927PGGI8	8305AGI-02LF	840004BGI-11LFT	843002AG-01LF
8101925AGILF	8305AGI-02LFT	840004BGILF	843002AG-01LFT
8101925AGILFT	8305AGILF	840004BGILFT	843002AG-01LFT-IB0
810251AGI-01LF	8305AGILF-PAC	840024AGILF	843002AGI-01LF
810251AGI-01LFT	8305AGILFT	840024AGILFT	843002AGI-01LFT
810251AGI-08LF	8305AGILFT-PAC	840245AGILF	843002AGILF
810251AGI-08LFT	8305AGLF	840245AGILFT	843002AGILFT
810251AGILF	8305AGLF-TEJ	840272AGILF	843002AGLF
810251AGILF-EXT	8305AGLFT	840272AGILFT	843002AGLFT
810251AGILFT	8305AGLFT-TEJ	840S2306AGILF	843002CG-01LF
810251AGILFT-EXT	831721AGILF	840S2306AGILFT	843002CG-01LFT
810252AGILF	831721AGILFT	840S2306CGILF	8430252CG-45LF
810252AGILFT	831741AGILF	840S2306CGILFT	8430252CG-45LFT
810525AGILF	831741AGILFT	840S2306DGILF	8430252CGI-45LF
810525AGILFT	831752AGILF	840S2306DGILFT	8430252CGI-45LFT
813321AG-04LF	831752AGILFT	840S2306EGILF	843101AG-100LF
813321AG-04LFT	831752AGLF	840S2306EGILFT	843101AG-100LFT
813321AG-ALPLF	831752AGLFT	840S2316AGILF	843101AG-250LF
813321AG-ALPLFT	83904AG-02LF	840S2316AGILFT	843101AG-250LFT
83005BGILF	83904AG-02LFT	840S2326AGILF	843101AG-312LF
83005BGILFT	83904AGI-02LF	840S2326AGILFT	843101AG-312LFT
830158BGILF	83904AGI-02LFT	841S01BGLF	843101AGI-100LF
830158BGILFT	83905AG-01LF	841S01BGLFT	843101AGI-100LFT
830258BGILF	83905AG-01LFT	841S01CGILF	843101AGI-250LF
830258BGILFT	83905AGILF	841S01CGILFT	843101AGI-250LFT
830354BGILF	83905AGILFT	841S01CGLF	843101AGI-312LF
830354BGILFT	83905AGLF	841S01CGLFT	843101AGI-312LFT
830454BGILF	83905AGLFT	841S01DGILF	843201AG-375LF
830454BGILFT	840002AG-01LF	841S01DGILFT	843201AG-375LFT
8304AG-02LF	840002AG-01LFT	841S02BGILF	843241AGLF
8304AG-02LFT	840002AGI-01LF	841S02BGILFT	843241AGLFT
8304AG-03LF	840002AGI-01LFT	841S02CGILF	843241BGLF
8304AG-03LFT	840002AGILF	841S02CGILFT	843241BGLFT
8304AGI-04LF	840002AGILFT	841S02DGILF	843242AGLF
8304AGI-04LFT	840002AGLF	841S02DGILFT	843242AGLFT
83052AGI-01LF	840002AGLFT	841S101EGILF	843245AGLF
83052AGI-01LFT	840004AG-01LF	841S101EGILFT	843245AGLFT
83054AGI-01LF	840004AG-01LFT	841S102BGILF	843245BGLF
83054AGI-01LFT	840004AG-11LF	841S102BGILFT	843245BGLFT
83054AGILF	840004AG-11LFT	841S102DGILF	843252AG-04LF



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83054AGILFT	840004AGI-01LF	841S102DGILFT	843252AG-04LFT
83056AGI-01LF	840004AGI-01LFT	841S102EGILF	843252AG-45LF

ATTACHMENT 2 - PCN # : A1007-06

Affected Part Number

Part Number	Part Number	Part Number	Part Number
843252AG-45LFT	850S1201BGILF	8533AG-01LN	854054AGLFT
843252AGI-04LF	850S1201BGILFT	8533AG-01LN-IB0	854057AGLF
843252AGI-04LFT	85102AGILF	8533AG-01LNT	854057AGLFT
843252AGLF	85102AGILFT	8533AG-11LF	854104AGILF
843252AGLFT	85104AGILF	8533AG-11LFT	854104AGILFT
843253AGI-45LF	85104AGILFT	8533AGI-01LF	854104AGLF
843253AGI-45LFT	85105AGILF	8533AGI-01LFT	854104AGLF-HT
843441AGILF	85105AGILFT	8533AGI-31LF	854104AGLFT
843441AGILFT	8512062AGILF	8533AGI-31LFT	854104AGLFT-HT
843441AGLF	8512062AGILFT	8535-01PGG	854105AGILF
843441AGLFT	85214AGILF	8535-01PGG8	854105AGILFT
843442AGILF	85214AGILFT	8535-01PGGI	854105AGLF
843442AGILFT	85214AGLF	8535-01PGGI8	854105AGLFT
843N156DG-125LF	85214AGLFT	85356AGILF	8543AG-09LF
843N156DG-125LFT	8523AGI-03LN	85356AGILFT	8543AG-09LFT
843N156EG-125LF	8523AGI-03LNT	85357AG-01LF	8543BGILF
843N156EG-125LFT	8523AGI-03LNT-IB0	85357AG-01LFT	8543BGILFT
843N252FG-45LF	8523BGILF	85357AG-11LF	8543BGLF
843N252FG-45LFT	8523BGILFT	85357AG-11LFT	8543BGLF-HT
843N252GG-45LF	8523BGLF	85357AGI-01LF	8543BGLFT
843N252GG-45LFT	8523BGLFT	85357AGI-01LFT	8543BGLFT-HT
843SDNCG-01LF	8523CGILF	8535AG-01LF	8545AG-01LF
843SDNCG-01LFT	8523CGILFT	8535AG-01LFT	8545AG-01LFT
844002AG-01LF	8523CGLF	8535AG-11LF	8545AG-02LF
844002AG-01LFT	8523CGLFT	8535AG-11LFT	8545AG-02LFT
844002AGI-01LF	8525BGLF	8535AG-31LF	8545AGI-02LF
844002AGI-01LFT	8525BGLFT	8535AG-31LF-ACT	8545AGI-02LFT
844002AGLF	853006AGLF	8535AG-31LF-HC	8545BGILF
844002AGLFT	853006AGLFT	8535AG-31LFT	8545BGILFT
844101AG-100LF	853014BGLF	8535AG-31LFT-ACT	8545BGLF
844101AG-100LFT	853014BGLFT	8535AGI-01LF	8545BGLFT
844101AG-125LF	85301AGLF	8535AGI-01LFT	8546AGI-33LF
844101AG-125LFT	85301AGLFT	8535AGI-31LF	8546AGI-33LFT
844101AGI-125LF	85304-01PGG	8535AGI-31LFT	854S013BGLF
844101AGI-125LFT	85304-01PGG8	8535AGLF-ACT	854S013BGLFT
844242AGI-04LF	85304-01PGGI	8535AGLFT-ACT	854S057AGILF
844242AGI-04LFT	85304-01PGGI8	8536CGI-33LF	854S057AGILFT
844242AGI-08LF	85304AG-01LF	8536CGI-33LFT	854S057BGILF
844242AGI-08LFT	85304AG-01LFT	853S006AGILF	854S057BGILFT
844244AGI-04LF	853054AGLF	853S006AGILFT	854S204BGILF
844244AGI-04LFT	853054AGLFT	853S014AGILF	854S204BGILFT
844244AGI-08LF	85314AGI-11LF	853S014AGILFT	859S0212BGILF
844244AGI-08LFT	85314AGI-11LFT	853S01AGILF	859S0212BGILFT
844252AG-04LF	85314BGI-01LF	853S01AGILFT	859S0214AGILF
844252AG-04LFT	85314BGI-01LFT	853S057AGILF	859S0214AGILFT
844441DGILF	85314BGI-09LF	853S057AGILFT	859S0224AGILF



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844441DGILFT	85314BGI-09LFT	853S314AGILF	859S0224AGILFT
850S1201AGILF	8533AG-01LF	853S314AGILFT	859S0412BGILF
850S1201AGILFT	8533AG-01LFT	854054AGLF	859S0412BGILFT

ATTACHMENT 2 - PCN # : A1007-06

Affected Part Number

Part Number	Part Number	Part Number	Part Number
859S1201AGILF	871001AGI-02LFT	874003AG-04LF	894D115AGI-05LFT
859S1201AGILFT	871002AGI-02LF	874003AG-04LFT	894D115BGI-01LF
86004AG-02LF	871002AGI-02LFT	874003AGI-02LF	894D115BGI-01LFT
86004AG-02LFT	873034AGLF	874003AGI-02LFT	8S402326PGGI
86004BG-01LF	873034AGLFT	874003AGI-04LF	8S402326PGGI8
86004BG-01LFT	87339AGI-11LF	874003AGI-04LFT	8S73034AGILF
86004BGILF	87339AGI-11LFT	874003AGLF	8S73034AGILFT
86004BGILFT	8737-11PGG	874003AGLFT	9DB202CGLF
86004BGLF	8737-11PGG8	874003BG-05LF	9DB202CGLFT
86004BGLFT	8737AG-11LF	874003BG-05LF-HT	MC100ES6014EJ
87001BG-01LF	8737AG-11LFT	874003BG-05LFT	MC100ES6014EJR2
87001BG-01LFT	8737AGI-11LF	874003BG-05LFT-HT	MC100ES6056EJ
87002AG-02LF	8737AGI-11LFT	874003BGI-03LF	MC100ES6056EJR2
87002AG-02LFT	873N486AGILF	874003BGI-03LFT	MC100ES6130EJ
87002BG-03LF	873N486AGILFT	874003CGI-02LF	MC100ES6130EJR2
87002BG-03LFT	874001AGI-02LF	874003CGI-02LFT	MC100ES6139EJ
87004BG-02LF	874001AGI-02LFT	874003DG-02LF	MC100ES6139EJR2
87004BG-02LFT	874001AGI-05LF	874003DG-02LFT	MC100ES6535EJ
87004BG-03LF	874001AGI-05LFT	874003DGI-02LF	MC100ES6535EJR2
87004BG-03LFT	874002AG-02LF	874003DGI-02LFT	MPC962308EJ-1H
87004BGI-03LF	874002AG-02LFT	874S336AGLF	MPC962308EJ-1HR2
87004BGI-03LFT	874002AGLF	874S336AGLFT	MPC962309EJ-1H
870S204BGLF	874002AGLFT	894D115AGI-04LF	MPC962309EJ-1HR2
870S204BGLFT	874003AG-02LF	894D115AGI-04LFT	
871001AGI-02LF	874003AG-02LFT	894D115AGI-05LF	