

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

PRODUCT/PROCESS CHANGE NOTICE (PCN)							
PCN #: A140 :	5-01 D	ATE: June 23, 2014	MEANS OF DIST	INGUISHING CHA	NGED DEVICES:		
Product Affected: PBGA-208 & PBGA-256 (Refer to affected part list in Attachment 2) Date Effective: September 23, 2014		 □ Product Mark ■ Back Mark Lot# will have a "Y" suffix □ Date Code □ Other 					
Contact:	IDT PCN DESK	· -	Attachment:	Yes	No		
E-mail:	pcndesk@idt.com		Samples: Please of	contact your local sale request & availability	es representative for		
DESCRIPTION A	AND PURPOSE O	F CHANGE:					
 □ Wafer Fabrication Process □ Assembly Process □ Equipment ■ Material □ Testing qualification of Copper W packages listed above. There is no change in the 							
RELIABILITY/	QUALIFICATION	SUMMARY:					
		oduct quality or reliability	performance.				
IDT records indicto grant approval it will be assumed IDT reserves the	or request additionadd that this change is	written notification of this al information. If IDT does acceptable. rersion manufactured after	not receive acknow	rledgement within 90	days of this notice		
Customer:] Approval fo	r shipments prior	to effective date.		
Name/Date:		E-	Mail Address:				
Title:		P1	none# /Fax# :				
CUSTOMER CO	OMMENTS:						
IDT ACKNOWI	LEDGMENT OF R	ECEIPT:					
RECD. BY:			DATE:				

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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 1 - PCN # : A1405-01

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

Data Sheet Change: None

Details Of Change:

This notification is to advise our customers that IDT has successfully completed the qualification of Copper Wire Bonding at Amkor, Philippines assembly facilty for the packages listed in page 1.

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, June 23, 2014. Product assembled with Gold wire 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 wire 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 an 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.

Assembly Material: There is no change in the mold compound and die attach materials. The material

sets used in assembly is in compliance with RoHS 5 (standard products) and

RoHS 6 (green products) requirement.

There is no change in the moisture sensitivity performance.

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.

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PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 1 - PCN # : A1405-01

Qualification Test Result:

Qual Vehicle: PBGA-672 (3 lots)

Test Description	Test Method	Test Results (SS / Rej)
* High Accelerated Stress Test (Biased, 130 °C/85% RH, 96 Hrs)	JESD22-A110	77/0, 77/0, 77/0
* Temperature Cycle / Condition B (-55 °C to +125 °C, 700 Cyc)	JESD22-A104	77/0, 77/0, 77/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	77/0, 77/0, 77/0

Note:

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.

^{*} 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.

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT 2 - PCN # : A1405-01

Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
82P2284BB	82P2588BBG	82P5088BBG	82V2088BB
82P2284BB8	82P2588BBG8	82P5088BBG8	82V2088BBG
82P2284BBG	82P5048BB	82P9734BB	82V2604BB
82P2284BBG8	82P5048BB8	82P9734BB8	82V2604BBG
82P2288BB	82P5048BBG	82P9734BBG	82V2608BB
82P2288BB8	82P5048BBG8	82P9734BBG8	82V2608BBG
82P2288BBG	82P5058BB	82P9738BB	82V9638BB
82P2288BBG8	82P5058BB8	82P9738BB8	82V9638BB8
82P2294BBG	82P5058BBG	82P9738BBG	82V9638BBG
82P2294BBG8	82P5058BBG8	82P9738BBG8	82V9638BBG8
82P2588BB	82P5088BB	82V2048EBB	
82P2588BB8	82P5088BB8	82V2048EBBG	