





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

## PRODUCT/PROCESS CHANGE NOTICE (PCN)

### ATTACHMENT I - PCN # : A1402-03

**PCN Type:** Change of Materials  
**Data Sheet Change:** None  
No change in moisture sensitivity level (MSL)

#### Detail Of Change:

This notification is to advise our customers that the underfill material will be changed from UA03 to UA32.

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

#### Change of Material Sets

Package	From	To
FCBGA-399 FCBGA-675	Underfill: UA03	UA32



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#### Qualification Test Plans and Results :

**Qual Plan & Results:** The qualification was performed in accordance with JEDEC47 recommended tests.

**Qual Vehicle:** 27.0mm x 27.0mm FCBGA-675 (3 lots)

Test Description	Test Method	Test Results (SS / Rej)		
		Lot 1	Lot 2	Lot 3
* HAST - unbiased (130 °C/85% RH, 96 Hrs)	JESD22-A118	25/0	25/0	25/0
* Temperature Humidity Biased (85 °C/85% RH, 1000 Hrs)	JESD22-A101	25/0	25/0	25/0
* Temperature Cycle / Condition B (-55 °C to +125 °C, 700 Cyc)	JESD22-A104	25/0	25/0	25/0
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	25/0	25/0	25/0
Solder Ball Shear Test (1000 Hrs)	JESD22-B117	5/0	5/0	5/0
X-ray Examination	IDT Spec MAC-3012	45/0	45/0	45/0

Note:

\* Test requires moisture pre-conditioning sequence per JESD22-A113 prior to stress test



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### ATTACHMENT II - PCN # : A1402-03

#### Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
TSI576-10GCLY	TSI578-10GCL	TSI578-10GIL	TSI578A-10GIL
TSI576-10GILY	TSI578-10GCLY	TSI578-10GILY	TSI578A-10GILY