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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

PCN #: **A1603-01 (R1)** DATE: **29-Jul-2016**

Product Affected: 15.0mm x 15.0mm FCBGA-196
24.0mm x 15.5mm FCBGA-345
Refer to Attachment II for the affected part numbers

Date Effective: **11-Jul-2016**

MEANS OF DISTINGUISHING CHANGED DEVICES:

- ☐ Product Mark
- ☐ Back Mark
- ☐ Date Code
- ☒ Other

Assembly lot marked on the device provides traceability to the material used

Contact: IDT PCN DESK

E-mail: pcndesk@idt.com

Attachment: ☒ Yes ☐ No

Samples: Please contact your local sales representative for sample request & availability.

DESCRIPTION AND PURPOSE OF CHANGE:

- ☐ Die Technology
- ☐ Wafer Fabrication Process
- ☐ Assembly Process
- ☐ Equipment
- ☒ Material
- ☐ Testing
- ☐ Manufacturing Site
- ☐ Data Sheet
- ☐ Other

Revision 1: This revised notice is to advise customers that the lid adhesive material will remain unchanged as MD140. Henkel CE-3920 is added as an alternate material.

There is no change to the moisture performance.

Attachment I details the qualification data for this change and Attachment II shows the affected list of part numbers.

RELIABILITY/QUALIFICATION SUMMARY:

Refer to qualification data 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: ____________________

☐ ***Approval for shipments prior to effective date.***

Name/Date: ____________________

E-Mail Address: ____________________

Title: ____________________

Phone# /Fax# : ____________________

CUSTOMER COMMENTS: ____________________

IDT ACKNOWLEDGMENT OF RECEIPT:

RECD. BY: ____________________ DATE: ____________________

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A1603-01 (R1)

PCN Type: Adding Alternate Materials

Data Sheet Change: None

No change in moisture sensitivity level (MSL)

Detail Of Change:

Revision 1: This revised notice is to advise customers that the lid adhesive material will remain unchanged as MD140. Henkel CE-3920 is added as an alternate material.

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

Change of Material Set

Description	From	To
Lid Adhesive Material	MD140	MD140 and Henkel CE-3920 (alternate)

ATTACHMENT I - PCN # : A1603-01 (R1)

Qualification Test Plans and Results :

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

Qual Vehicle: 15.0mm x 15.0mm FCBGA-196 (1 lot)
24.0mm x 15.5mm FCBGA-345 (2 lots)

		Test Results (SS / Rej)		
Test Description	**Test Method**	**Lot 1**	**Lot 2**	**Lot 3**
* HAST - Unbiased (130 °C/85% RH, 96 Hrs)	JESD22-A118	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

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

ATTACHMENT II - PCN # : A1603-01 (R1)

Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
89HT0816APZCBLG	89HT0816APZCBLGI	89HT0832PZCBLG	89HT0832PZCBLGI
89HT0816APZCBLG8	89HT0816APZCBLGI8	89HT0832PZCBLG8	89HT0832PZCBLGI8