



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

| | |
|--|--|
| PCN #: A1706-01 DATE: 10-Jul-2017 Product Affected: FCCSP and FCBGA Refer to Attachment II for the affected part numbers Date Effective: This is an advance PCN. The effective date will be advised in Final PCN. | MEANS OF DISTINGUISHING CHANGED DEVICES: <input type="checkbox"/> Product Mark Bumping location is traceabled through Assembly Lot# <input checked="" type="checkbox"/> Back Mark <input type="checkbox"/> Date Code <input type="checkbox"/> Other |
|--|--|

| | |
|--|--|
| Contact: IDT PCN DESK | Attachment: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| E-mail: pcndesk@idt.com | Samples: Please contact your local sales representative for sample request. |

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 type="checkbox"/> Material <input type="checkbox"/> Testing <input checked="" type="checkbox"/> Manufacturing Site <input type="checkbox"/> Data Sheet <input type="checkbox"/> Other | <p>This is an advance notification to advise our customers that IDT is transferring the affected products wafer bumping for 300mm wafer size at Amkor, Taiwan (ATT T5) to Amkor, Taiwan (ATT T1) as ATT T5 will discontinue the bumping process by January 2018.</p> <p>Attachment II shows the affected list of part numbers.</p> <p>A Final PCN will be issued once qualification is completed. The qualification data and PCN effective date will be shown on the final PCN.</p> |
|--|---|

RELIABILITY/QUALIFICATION SUMMARY:

Report will be available upon qualification completion.

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: _____



PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT I - PCN # : A1706-01

PCN Type: Manufacturing Site - Transfer Bumping Location
Data Sheet Change: None
Detail Of Change:

This is an advance notification to advise our customers that IDT is transferring the affected products wafer bumping for 300mm wafer size at Amkor, Taiwan T5 (ATT T5) to Amkor, Taiwan T1 (ATT T1) as ATT T5 will discontinue the bumping process by January 2018.

There will be no change in form, fit and function of the products including RoHS compliance and MSL rating.

During the transition period, IDT will continue to support customer shipments with inventory built at ATT T5 facility and does not anticipate any impact on the product availability.

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. Please contact your IDT sales representative to request samples or for additional information.

A Final PCN will be issued once qualification is completed. The qualification data and PCN effective date will be shown on the final PCN.

Table 1: Qualification Schedule

| Package | Samples Available | Expected Qualification Completion | First Production Shipment |
|---------|-------------------|-----------------------------------|---------------------------|
| FCCSP | 1-Dec-17 | 31-Oct-17 | 15-Jan-18 |
| FCBGA | 1-Dec-17 | 31-Oct-17 | 15-Jan-18 |



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

PRODUCT/PROCESS CHANGE NOTICE (PCN)

ATTACHMENT II - PCN # : A1706-01

Affected Part Numbers

| Part Number | Part Number | Part Number | Part Number |
|--------------------|--------------------|--------------------|--------------------|
| 4DB0124KB1AVG | 89H24NT24G2ZCHLG | 89H32NT24BG2ZCHLGI | 89H64H16AG2ZCBLG |
| 4DB0124KB1AVG8 | 89H24NT24G2ZCHLG8 | 89H32NT8AG2ZBHLG | 89H64H16AG2ZCBLGI |
| 4RCD0124KC0ATG | 89H24NT24G2ZCHLGI | 89H32NT8AG2ZBHLG8 | 89H64H16G2ZCBLG |
| 4RCD0124KC0ATG8 | 89H24NT24G2ZCHLGI8 | 89H32NT8AG2ZBHLGI | 89H64H16G3YCBLG |
| 4RCD0124KC0ATG8/M | 89H24NT6AG2ZAHLG | 89H32NT8AG2ZCHLG | 89HAL808G2ZCHLGI |
| 80HCPS1432CRM/AL | 89H24NT6AG2ZAHLG8 | 89H32NT8AG2ZCHLG8 | 89HAL808G2ZCHLGI8 |
| 80HCPS1616CHRI | 89H24NT6AG2ZAHLGI | 89H32NT8AG2ZCHLGI | 89HI0524G2PSZCALG |
| 80HCPS1616RM | 89H24NT6AG2ZAHLGI8 | 89H32NT8BG2ZBHLGI | 89HPES16T4AG2ALGI |
| 80HCPS1616RMI | 89H24NT6AG2ZBHLG | 89H32NT8BG2ZCHLG | 89HPES16T4AG2ZCALG |
| 80HCPS1848CBRI-5 | 89H24NT6AG2ZBHLG8 | 89H32NT8BG2ZCHLGI | 89HPES24T3G2ZCALG |
| 80HCPS1848CBRI-L | 89H24NT6AG2ZCHLG | 89H32NT8BG2ZCHLGI5 | 89HPES24T3G2ZCALGI |
| 80HCPS1848CRM/AL | 89H24NT6AG2ZCHLG8 | 89H32T8G2ZCBLG | 89HPES24T6G2ZCALG |
| 80HCPS1848CRMI-5 | 89H24NT6AG2ZCHLGI | 89H32T8G2ZCBLG8 | 89HPES24T6G2ZCALG8 |
| 89H12NT12G2ZCHLG | 89H32H8G2ZCBLG | 89H32T8G2ZCBLGI | 89HPES24T6G2ZCALGI |
| 89H12NT12G2ZCHLGI | 89H32H8G2ZCBLG8 | 89H34H16G2ZCBLG | 89HPES34H16ZABLG |
| 89H12NT12G2ZCHLGI8 | 89H32H8G2ZCBLGI | 89H48H12AG2ZCBLG | 89HPES4T4G2ZCALG |
| 89H16NT16G2ZCHLG | 89H32H8G2ZCBLGI8 | 89H48H12AG2ZCBLGI | 89HPES4T4G2ZCALGI |
| 89H16NT16G2ZCHLG8 | 89H32NT24AG2ZBHLG | 89H48H12G2ZCBLG | 89HPES64H16ZABLG |
| 89H16NT16G2ZCHLGI | 89H32NT24AG2ZBHLGI | 89H48H12G2ZCBLGI | 89HPES6T6G2ZCALG |
| 89H16NT16G2ZCHLGI8 | 89H32NT24AG2ZCHLG | 89H48H12G2ZDBLG | 89HPES6T6G2ZCALGI |
| 89H16T16AG2ZCHLG | 89H32NT24AG2ZCHLGI | 89H48T12G2ZCBLG | TSI721-16GCLY |
| 89H24NT24G2ZBHLG | 89H32NT24BG2ZCHLG | 89H48T12G2ZCBLGI | TSI721-16GILY |