

Product Change Notification

Change Notification #:	116563 - 01	
Change Title:	Humidity Indicator Card (HIC) Relocation &	
	Desiccant Pouch Reduction ,	
	PCN 116563-01, Transport Media,	
	Reducing the Number of Full I-Box Desiccant	
	Pouches used and Relocating the Placement	
	of the Humidity Indicator Card (HIC) on all	
	Desiccant Packed Products.	
	Reason for Revision: Provide Additional	
	Clarification on Changes	
Date of Publication:	January 30, 2019	

Key Characteristics of the Change:

Transport Media

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material: January 30, 2019

Description of Change to the Customer:

Reason for Revision: Provide Additional Clarification on Changes

Intel is announcing two changes herein: The first pertains to a Desiccant Pouch Reduction on Full Intermediate Boxes (I-Boxes) and the second change pertains to the Humidity Indicator Card (HIC) placement relocation. Please see changes below.

Desiccant Pouch Reduction (from two to one) on Full Intermediate Box:

With the implementation of a universal Plastic Shim to replace the Corrugated Shims (as announced per PCN116283-00), only a single desiccant pouch will be used to pack Full I-boxes. Corrugate Shims contain significant moisture and two desiccant pouches were required for Full I-boxes to remove the moisture from the shims. Therefore, on all Full I-Boxes going forward, only one desiccant pouch will be used. All other tray shipments (including Half Intermediate Boxes and Partials) were already using one desiccant pouch so there's no change on them.

See Pictures below (for example only)

All Full Intermediate Boxed Trays (two desiccant pouches)



Standard Tray Pack regardless of Full I-Box, Half I-Box or Partial (one desiccant pouch only)

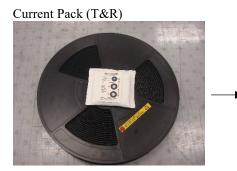


Pin 1 Tray Orientation

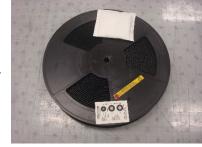
Humidity Indicator Card (HIC) placement relocation:

JEDEC-STD-033D states that the HIC should not come in direct contact with the desiccant pouch. Consequently, for all desiccant packaged Intel products going forward, the HIC and Desiccant pouches will be separated and moved further apart from one another as example pictures below indicate.

See Pictures above and below (for example only)



New Pack (T&R) - HIC separated from Desiccant Pouch



Current Pack (Tubes)



New Pack (Tubes) - HIC separated from Desiccant Pouch

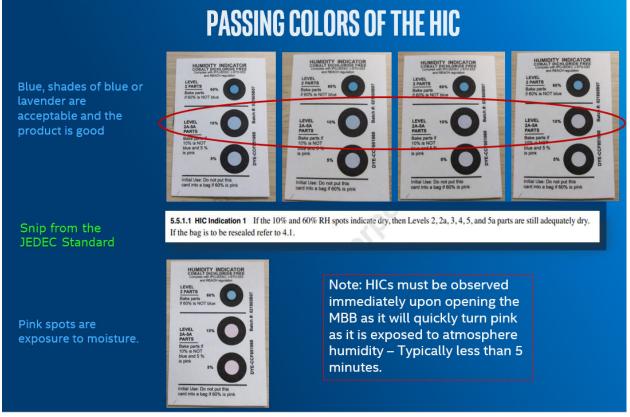


Additional Note Regarding Humidity Indicator Card (HIC) Coloration: In addition to separating the desiccant pouch from the HIC, it is important to note that JEDEC-STD-033D standards do not define typical humidity, but suggest that they typical timeframe for the equilibrium within the Moisture Barrier Bag (MBB) to occur is not reached until 7 days from bag seal date. It can actually take a little longer as well. Intel testing has shown that the equilibrium to change from Pink to Blue can take from 4 to 10 days for the HIC to change color based on the product type and packaging configuration. Moreover, it is extremely rare that Intel would ship a product to a customer and the customer would both receive it and open the MBB within a seven day span of time. Therefore, in that scenario, the coloration of the HIC may still be slightly pink.

If any product is opened within 10 days of the seal date shown on the label and the HIC is Pink (Not passing) inspect the MBB for punctures, holes and verify the seal. If these are passing then the product is safe to use.

Additionally, per the JEDEC-STD-033D Para 5.5.1.1 the critical indicator spots are the **10%** and **60%**, regardless of the color of the 5% spot.

Passing Colors of the HIC (for reference only)



The MAS documentation (MAS# 606188/17064 Rev 01) for impacted desiccant Intel products will be revised by February 02, 2019 to include an education for customers on the color of HICs when received in a short timeframe before the HIC indicator reading can settle.

Customer Impact of Change and Recommended Action:

There is no change to the form, fit, or function of the product. Nor is there any action required from customers other than to be aware and familiar with the changes described in this Product Change Notification.

Intel will deplete older packaged material currently on shelves during the transition and customers should expect to see a mix of packaging options until older packaged material has been depleted.

Please contact your local Intel Field Sales Representative if you have any further questions about these changes.

Products Affected / Intel Ordering Codes:

Intel® desiccant packed products are affected, including Tape & Reel, Tray and Tube packed products.

PCN Revision History:

Date of Revision:	Revision Number:	Reason:
November 2, 2018	00	Originally Published PCN
January 30, 2019	01	Provide Additional Clarification on
		Changes



Product Change Notification 116563 - 01

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Should you have any issues with the timeline or content of this change, please contact the Intel Representative(s) for your geographic location listed below. No response from customers will be deemed as acceptance of the change and the change will be implemented pursuant to the key milestones set forth in this attached PCN.

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