Integrated Device Technology, Inc. 6024 Silver Creek Valley Road, San Jose, CA - 95138						
PRODUCT/PROCESS CHANGE NOTICE (PCN)						
PCN #:TB1507-01DATE: August 18, 2015Product Affected:Selective part# of VFQFPN-16 (Refer to Attachment II for affected part#)Date Effective:August 18, 2015	MEANS OF DISTINGUISHING CHANGED DEVICES:   Product Mark Back Mark Date Code Moisture Sensitive Label Other					
Contact: IDT PCN DESK	Attachment: Yes No					
E-mail: pcndesk@idt.com	Samples: N/A					
<ul> <li>Assembly Process</li> <li>Equipment</li> <li>Material</li> <li>Testing</li> <li>Manufacturing Site</li> <li>Assembly Process</li> <li>classification to MSL 1.</li> <li>labeled as MSL 1 accord material sets and the peaterial</li> <li>Attachment I details the</li> </ul>	lvise our customers that IDT is converting moisture sensitivity The affected products will be shipped without dry pack and ding to JEDEC J-STD-020. There is no change to the assembly ak reflow temperature. qual data and the examples of moisture sensitive labels. e list of the affected part numbers.					
<b>RELIABILITY/QUALIFICATION SUMMARY:</b> Moisture sensitive classification qual report is in attachment I.						
<b>CUSTOMER ACKNOWLEDGMENT OF RECEIPT:</b> IDT records indicate that you require written notification of this of to grant approval or request additional information. If IDT does n it will be assumed that this change is acceptable. IDT reserves the right to ship either version manufactured after th on the earlier version has been depleted.	ot receive acknowledgement within 30 days of this notice					
Customer:	Approval for shipments prior to effective date.					
Name/Date: E-	Mail Address:					
Title: Ph	one# /Fax# :					
CUSTOMER COMMENTS:						
IDT ACKNOWLEDGMENT OF RECEIPT:						
RECD. BY:	DATE:					



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# **PRODUCT/PROCESS CHANGE NOTICE (PCN)**

### ATTACHMENT I - PCN #: TB1507-01

PCN Type: Change in Moisture Sensitivity Level

**Data Sheet Change:** There is change in Moisture Sensitive Level (MSL) from 3 to 1.

**Detail of Change:** This notification is to advise our customers that IDT is converting moisture sensitivity classification to MSL 1.

The affected products will be shipped without dry pack and labeled as MSL 1 according to JEDEC J-STD-020. There is no change to the assembly material sets and the peak reflow temperature. Peak reflow temperature remains 260°C.

Refer to examples of moisture sensitive labels as shown below.

#### **Qualification Information and Qualification Data:**

Qual Plan & Results: Tests are in accordance with JEDEC47 recommended tests.

#### Qualification Vehicle: VFQFPN-16

			Test Results (SS / Rej)		
Test Description	Test Method	Lot 1	Lot 2	Lot 3	
* HAST - biased (130 °C/85% RH, 100 Hrs)	JESD22-A110	45/0	45/0	45/0	
* Temperature Cycle / Condition B (-55 °C to +125 °C, 700 Cyc)	JESD22-A104	45/0	45/0	45/0	
High Temp. Storage Test (150 °C, 1000 Hrs)	JESD22-A103	77/0	77/0	77/0	
Moisture Sensitivity Level (MSL 1, 260°C)	J-STD-20	45/0	45/0	45/0	

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

### From: MSL 3 Moisture Sensitive Label



### To: MSL 1 Non-Moisture Sensitive Label



Note: There is no change to the peak reflow temperature of the affected products.



## **PRODUCT/PROCESS CHANGE NOTICE (PCN)**

## ATTACHMENT II - PCN #: TB1507-01

Part Number	Part Number	Part Number	Part Number
F2250NLGI	F2258NLGI	F2255NLGI8	F2250NLGK
F2258NLGK	F2255NLGK8	F2255NLGI	F2250NLGI8
F2258NLG18	F2255NLGK	F2250NLGK8	F2258NLGK8

### **Affected Part Numbers**