



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

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 Description	Test Method	Test Results (SS / Rej)		
		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



CAUTION
This Bag Contains
MOISTURE-SENSITIVE DEVICES

LEVEL
3

- Calculated shelf life in sealed bag:
12 months at < 40°C and < 90% relative humidity (RH)
- Peak package body temperature: 260°C
- After bag is opened, devices that will be subjected to reflow solder or other high temperature process must
 - Mounted within 168 hours of factory conditions <= 30°C/60% RH
 - Stored per J-STD-033
- Devices required bake, before mounting if:
 - Humidity indicator card reads >10% for level 2a-5a devices or >60% for level 2 devices when read at 23 +/-5 deg C
 - 3a or 3b are not met
- If baking is required, refer to IPC/JEDEC J-STD-033 for bake procedure **Bag Seal Date: 07/31/15**

Note: Level and body temperature defined by IPC/JEDEC J-STD-020.



To: MSL 1 Non-Moisture Sensitive Label


NOT MOISTURE SENSITIVE

LEVEL
1

These Devices do not require special storage conditions provided:

- They are maintained at conditions equal to or less than 30°C/85 % RH, and
- They are solder reflowed at a peak body temperature which does not exceed 260°C

Note: Level and body temperature defined by IPC/JEDEC J-STD-020.



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



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ATTACHMENT II - PCN #: TB1507-01

Affected Part Numbers

Part Number	Part Number	Part Number	Part Number
F2250NLGI	F2258NLGI	F2255NLGI8	F2250NLGK
F2258NLGK	F2255NLGK8	F2255NLGI	F2250NLGI8
F2258NLGI8	F2255NLGK	F2250NLGK8	F2258NLGK8