



Cypress Semiconductor Corporation, 198 Champion Court, San Jose, CA 95134. Tel: (408) 943-2600

PRODUCT INFORMATION NOTIFICATION

PIN: PIN195102A

Date: December 20, 2019

Subject: Addendum to PIN195102 - Manufacturing Label and Packing Configuration Standardization

To: TOKYO ELECTRON DEVICE
TELDEVICE
cy-inside@teldevice.co.jp

Change Type: Minor

Description of Change:

The purpose of this addendum is to correct the date from January 20, 2019 to January 20, 2020, in the "3rd paragraph in the 'Description of Change' section.

This notification is to inform customers that Cypress will be standardizing its manufacturing labels and tray/tube packing configuration. It may be recalled that the Cypress entity consolidation (following the merger with Spansion Corp) was announced via Product Information Notification PIN174801 in November 2017. As the next phase of the entity consolidation process, Cypress will be adapting a new manufacturing label format for all products and revising shipping configurations for select product shipped in trays and tubes.

Cypress will eliminate the practice of shipping in "CY-PAK™" quantities for select products. All products will be shipped with a single moisture barrier bag in a box, and full box quantities will be standardized to 10 trays and for tubes, 15 and 50 depending on the package code. This process will be implemented with new incoming finished goods; therefore, customers should expect to receive products in CY-PAK™ quantities until existing finished goods inventory is fully depleted.






These changes will be implemented immediately at all Cypress in-house and qualified subcontractor locations. Please be advised that starting January 20, 2020, Cypress will start shipping sales orders with new tray/tube configuration and label formats; and in parallel sales orders with existing inventory will be shipped (as is) using the current tray/tube configuration and label formats.

The transition period where customers should expect to receive either current or new shipping configurations is expected to end in Q3'2020.

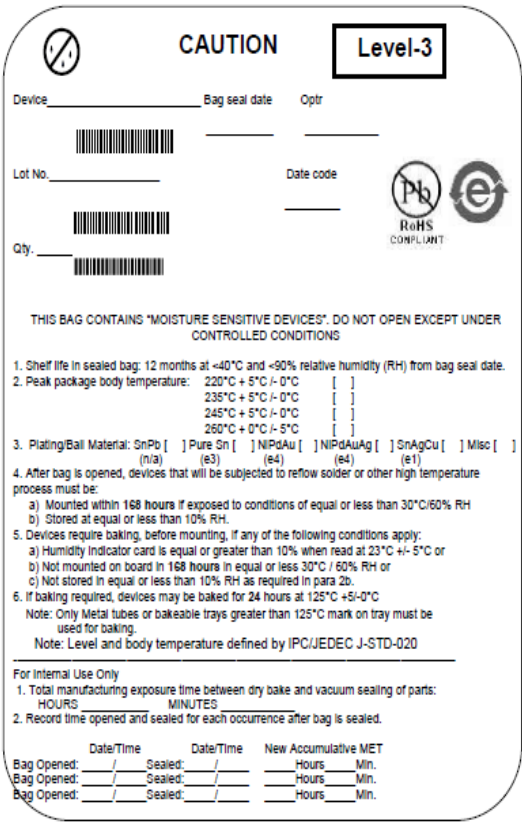


LABEL FORMAT CHANGE

In the new format, Cypress will be using a 14-character code, called License Plate Number (LPN) to establish traceability at bag and box level.



- Tape and Reel Manufacturing Label Format

CURRENT FORMAT	NEW FORMAT
<div><div>DEVICE CY8C21123-24SXIT</div><div></div><div>MFG LOC R</div><div>LOT NO 121105594</div><div></div><div>DATE 17-aug-2011</div><div>TIME</div><div>INITIAL ivi</div><div>PKGCODE S2B</div><div>DATECODE 1031</div><div>NO OF REELS 1/1</div><div>QTY 2500</div><div>SHELF LOC</div></div>	<div><div>(P) OPN: CY62158EV30LL-45BVXIT</div><div></div><div>(1P) MFR# CY62158EV30LL-45BVXIT</div><div></div><div>(1T) BATCH#</div><div>611639061</div><div>Mark Date Code</div><div>(9D) M/C:1643</div><div></div><div>(7Q) QTY:02000PC</div><div></div><div>(Q) TTL QTY: 2000</div><div></div><div>LOT# 611639061</div><div></div></div>











- Moisture Sensitivity Level (MSL 3) and Manufacturing Labels to 2-in-1 Label.

CURRENT FORMAT	NEW FORMAT
<p align="center">MSL Label</p>  <p>The MSL Label template includes fields for Device, Bag seal date, Opt, Lot No., Date code, Qty, and a Level-3 caution box. It also features a RoHS COMPLIANT logo and a detailed list of storage and handling instructions.</p>	<p align="center">2-in-1 Label (MSL Level 3)</p>  <p>The 2-in-1 Label template combines MSL and Manufacturing information. It includes fields for OPN, MFR#, BATCH#, SEAL DC, Mark Date Code, M/C, QTY, and a detailed list of storage and handling instructions. It also features a JEDEC LEVEL 3 and JEITA RANK 1 label.</p>
<p align="center">Manufacturing Label</p>  <p>The Manufacturing Label template includes fields for DEVICE, LOT NO., DATE, TIME, INITIAL, PKG CODE, DATE CODE, NO OF REELS, QTY, and SHELF LOC.</p>	

- Moisture Sensitivity Level (MSL 1) and Manufacturing Labels to 2-in-1 Label.

CURRENT FORMAT	NEW FORMAT																														
<p align="center">MSL Label</p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px;"> <p align="center">NOT MOISTURE SENSITIVE</p> <div style="float: right; border: 1px solid black; padding: 2px; margin-top: 5px;">Level-1</div> <div style="clear: both;"></div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <p>Device _____</p> <p>Lot No. _____</p> <p>Qty. _____</p> </div> <div> <p>Opt# _____</p> <p>Date code _____</p> </div> <div style="text-align: center;">  </div> </div> <div style="margin-top: 10px;"> <p>1. Devices do not require special storage conditions provided they are maintained at conditions equal to or less than 30°C / 85% RH.</p> <p>2. Peak package body temperature for solder re flow:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">220°C + 5°C / - 0°C</td> <td style="width: 10%; text-align: center;">[]</td> <td style="width: 30%;"></td> </tr> <tr> <td>235°C + 5°C / - 0°C</td> <td style="text-align: center;">[]</td> <td></td> </tr> <tr> <td>245°C + 5°C / - 0°C</td> <td style="text-align: center;">[]</td> <td></td> </tr> <tr> <td>260°C + 0°C / - 5°C</td> <td style="text-align: center;">[]</td> <td></td> </tr> </table> <p>3. Plating /Ball Material</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">SnPb (n/a)</td> <td style="width: 10%; text-align: center;">[]</td> <td style="width: 30%;"></td> </tr> <tr> <td>Pure Sn (e3)</td> <td style="text-align: center;">[]</td> <td></td> </tr> <tr> <td>NiPdAu (e4)</td> <td style="text-align: center;">[]</td> <td></td> </tr> <tr> <td>NiPdAuAg (e4)</td> <td style="text-align: center;">[]</td> <td></td> </tr> <tr> <td>SnAgCu (e1)</td> <td style="text-align: center;">[]</td> <td></td> </tr> <tr> <td>Misc</td> <td style="text-align: center;">[]</td> <td></td> </tr> </table> <p align="center">Note: Level and body temperature defined by IPC/JEDEC J-STD-020</p> </div> </div>	220°C + 5°C / - 0°C	[]		235°C + 5°C / - 0°C	[]		245°C + 5°C / - 0°C	[]		260°C + 0°C / - 5°C	[]		SnPb (n/a)	[]		Pure Sn (e3)	[]		NiPdAu (e4)	[]		NiPdAuAg (e4)	[]		SnAgCu (e1)	[]		Misc	[]		<p align="center">2-in-1 Label (MSL Level 1)</p> <div style="border: 1px solid black; padding: 10px;"> <p>(P) OPN: CP8143BTT</p> <p>(1P) MFR# CP8143BTT</p> <p>(1T) BATCH# 121800871</p> <p>SEAL DC: 1737</p> <p>Mark Date Code (9D) M/C:1737</p> <p>(9D) M/C:1743</p> <p>(7Q) QTY:01500PC</p> <p>(Q)TTL QTY: 01500</p> <p>LOT# 121800871 BAG ID: 0001 QTY: 1500</p> <p>(Z) BAG ID:</p> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  <p>RoHS</p> </div> <div style="text-align: center;"> <p>CAUTION</p> <p>This Bag Contains</p> <p>2Li NOT MOISTURE SENSITIVE DEVICES</p> <p>Category = e4</p> </div> <div style="text-align: center;"> <p>JEDEC LEVEL</p> <p>1</p> </div> <div style="text-align: center;"> <p>JEITA RANK</p> <p>-</p> </div> </div> <p>1. These devices do not require special storage conditions provided they are maintained at conditions equal to or less than 30°C / 85%.</p> <p>2. Peak package body temperature: 260 + 0°C / - 5°C.</p> <p align="center">Note: Level and body temperature defined by IPC/JEDEC</p> </div>
220°C + 5°C / - 0°C	[]																														
235°C + 5°C / - 0°C	[]																														
245°C + 5°C / - 0°C	[]																														
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SnAgCu (e1)	[]																														
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<p align="center">Manufacturing Label</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>DEVICE CY8C21123-24SXIIT MFG LOC R</p> <p>LOT NO 121105594 DATE 17-aug-2011</p> <p>INITIAL ivi PKGCODE 528 DATECODE 1031</p> <p>NO OF REELS 1/1 QTY 2500 SHELF LOC</p> </div>																															

- Quality Packaging (Q-pack) label (attached on each inner box)

NEW FORMAT		
 RoHS 2Li Category = e4	(1D)  DRYPACK SEALED DATE: 13FEB19	
SPEC# 4000060962		
IDV XXXXX	PKG LQ24A	FULL CNTR QTY 2500
		
(1P) MFR# CY8C4045LQI-S411T		
		
(P) OPN CY8C4045LQI-S411T		
(1Z) BOX ID 		
LOT# 611904239		
HU 	001 BOX 001 OF	
HULN 61190423900008		
(1T) BATCH# 611904239		
		
SEAL DC 1901		TTL QTY (Q) 002500 
ASSEMBLED IN: CU PHILIPPINES		
Mark Date Code		
 (9D) M/C:1901	 (7Q) QTY:02500PC	

Benefit of Change:

These manufacturing labels and packing configuration standardization is part of Cypress' continuous improvement program in manufacturing and warehousing areas.

This change enables customers to track and trace product shipments using LPN information on labels can be used in a warehouse environment to track products from the time they enter the warehouse. It is an identification number that is unique to each inner box.

Part Numbers Affected: 5337

See the attached 'Affected Parts List' file for a list of all part numbers affected by this change. Note that any new parts that are introduced after the publication of this PIN will include all changes outlined in this PIN

Anticipated Impact:

No impact anticipated. The new manufacturing label formats ensure that all existing information from the current label format is fully available, with some additional fields like the 14-character LPN. The new tray packing configuration allows for optimization and streamlining of warehousing processes.

Approximate Implementation Date:

This change will be effective on January 20, 2020.

Response Required:

This is an information only announcement. No response is required.

For additional information regarding this change, contact your local sales representative or contact the PCN Administrator at pcn_adm@cypress.com.

Sincerely,

Cypress PCN Administration