



Process Change Notification

PCN Number: PCN-2019-116

PCN Notification Date: 03/27/2019

Informational PCN

“Intermediate/Inner” and “Outer” Label Standardization for ICs (Integrated Circuits)

Dear Customer,

This is an Informational Only PCN announcement for the standardization of “Intermediate/ Inner” and “Outer” labels.

Note: The change does not affect already established non-standard labels or boards.

The described change will not commence any earlier than 90 days from this announcement and will roll out via a phased-in approach over the 2019 calendar year until existing inventoried material has been consumed.

The described standardization does not apply retrospectively or to existing packaged material.

Cirrus Logic thanks our customers for their understanding in this respective matter. Any specific or immediate inquiries should be directed to your local Field Service Representative.

Sincerely,

Quality Systems Administrator
Cirrus Logic Corporate Quality
Phone: +1(512) 851-4000

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Products Affected:

All purchased material.

Technical details of this Process / Product Change Notification follow on the next page(s).

Title:	"Intermediate/Inner" and "Outer" Label Standardization for ICs (Integrated Circuits)		
Customer Contact:	Local Field Sales Representative	Phone: (512) 851-4000	Dept: Corporate Quality
Proposed 1st Ship Date:	90 days post PCN issuance	Estimated Sample Availability Date:	NA
Change Type:			
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Process
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Test Process
<input type="checkbox"/>	Electrical Specification	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Part Number	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Other
Comments:	Reference description of change(s) below		

PCN Details

Description of Change(s):

Cirrus Logic is standardizing "Intermediate/Inner" and "Outer" labels.

Note: The change does not affect already established non-standard labels or boards.

Change Type – Minor; All standard labels are compliant to JEDEC Industry Standards

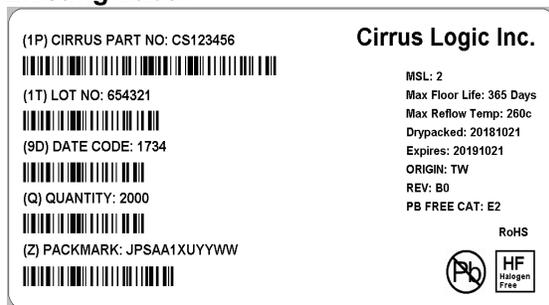
1. Label Size

- **"Intermediate/Inner" standard label size change(s)**

From: 3" x 5" Label Dimension

To: 2" x 4" Label Dimension

Existing Label



Note: Image not to scale

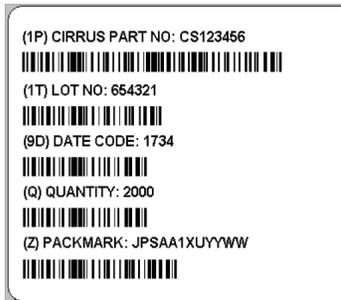
Redefined Label



2. Label Content

- “Intermediate/Inner” standard label content change(s)

Special Note: Example Only - Cirrus Logic label content change

Existing Label	From:	Redefined Label	To:
 <p>(1P) CIRRUS PART NO: CS123456 (1T) LOT NO: 654321 (9D) DATE CODE: 1734 (Q) QUANTITY: 2000 (Z) PACKMARK: JPSAA1XUYWW</p>	 <p>Cirrus Logic Inc. MSL: 2 Max Floor Life: 365 Days Max Reflow Temp: 260c Drypacked: 20181021 Expires: 20191021 ORIGIN: TW REV: B0 PB FREE CAT: E2</p> <p>RoHS HF Halogen Free</p>	 <p>(1P) CIRRUS PART NO: CS123456 (1T) LOT NO: 654321 (9D) DATE CODE: 1734 (Q) QUANTITY: 2000 (Z) PACKMARK: JPSAA1XUYWW</p>	 <p>CIRRUS LOGIC DRYPACKED: 20181021 ORIGIN: TW REV: B0</p> <p>RoHS HF</p>

Note: Image not to scale

Special Note: Example Only – Wolfson (Legacy Material) label content change

Existing Label	From:	Redefined Label	To:
 <p>(1P) DEVICE: WM8196SCDS/RV (1T) LOT#1: 654321 (Q) LOT#1 QTY: 2000 LOT#1 DCODE: 91AQMDD</p>	 <p>(Q) BOX QTY: 2000</p> <p>MSL3 RoHS Compliant HF Halogen Free</p>	 <p>(1P) CIRRUS PART NO: WM8196SCDS/RV (1T) LOT NO: 654321 (9D) DATE CODE: 91 (Q) QUANTITY: 2000 (Z) PACKMARK: 91AQMDD</p>	 <p>CIRRUS LOGIC DRYPACKED: 20181021 ORIGIN: TW REV: B0</p> <p>RoHS HF</p>

Note: Image not to scale

In summary, both defined labels for Cirrus Logic and Wolfson (Legacy Material) will have the following items added and removed to support the Label Standardization for ICs (Integrated Circuits).

Added:

Lot # - Add Lot #2 (If Applicable)
D/C – Add D/C #2 (If Applicable)
Quantity – Separated by Lot#
PackMark – Add PM #2
2D – QR Code (Tape-N-Reel Only)
Cirrus Logo

Removed:

MSL Designation
Max Floor Life
Max Reflow Temp
Expiration
PB Free Category
Halogen Free Text

Note: Applicable MSL information is designated on Moisture Caution label affixed to MBB (Moisture Barrier Bag)

2. Label Content (Continued)

- **“Outer” standard label content change(s)**

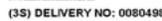
Changed Text:

- **Removed:** Halogen Free Text
- **From:** “COO” Designation

To: “Origin” Designation

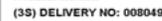
Existing Label

From:

SHIP FROM: Cirrus Logic, Inc. c/o JSI Logistics (HK) Ltd 18/F, Watson Center 16-22 Kung Yip Street Kwai Chung, NT, Hong Kong		SHIP TO: Cirrus Logic, Inc. c/o JSI Logistics 2101 East St. Elmo, Suite 375 Austin, TX 78444 US			
(P) CUSTOMER PART #: CUSTPN12345 		REV: B1	Ship Date: MMDDYYYY		
(1P) CIRRUS PART #: CS42LXX-WZR 		Package Count: 1 of 3	25 KGS 11.3 KGS		
(K) CUSTOMER PO: 987654321 		Lot No.:	Qty:	D/C:	COO:
(3S) DELIVERY NO: 0080498765 		654321	2000	1734	TW
(Q) TOTAL QUANTITY: 12000 		987654	4000	1735	TW
		234567	5000	1734	TW
		345678	5000	1733	TW
		456789	5000	1735	TW
		123456	5000	1733	TW
		876543	5000	1734	TW
		765432	500	1735	TW
		983258	500	1733	TW

Redefined Label

To:

SHIP FROM: Cirrus Logic, Inc. c/o JSI Logistics (HK) Ltd 18/F, Watson Center 16-22 Kung Yip Street Kwai Chung, NT, Hong Kong		SHIP TO: Cirrus Logic, Inc. c/o JSI Logistics 2101 East St. Elmo, Suite 375 Austin, TX 78444 US			
(P) CUSTOMER PART #: CUSTPN12345 		REV: B1	Ship Date: MMDDYYYY		
(1P) CIRRUS PART #: CS42LXX-WZR 		Package Count: 1 of 3	25 KGS 11.3 KGS		
(K) CUSTOMER PO: 987654321 		Lot No.:	Qty:	D/C:	Origin:
(3S) DELIVERY NO: 0080498765 		654321	2000	1734	TW
(Q) TOTAL QUANTITY: 12000 		987654	4000	1735	TW
		234567	5000	1734	TW
		345678	5000	1733	TW
		456789	5000	1735	TW
		123456	5000	1733	TW
		876543	5000	1734	TW
		765432	500	1735	TW
		983258	500	1733	TW

Note: Image not to scale

Reference Appendix A: For example(s) and location(s)/placement of “Intermediate/Inner” and “Outer” standard labels.

Reason for Change:

Standardization of Cirrus Logic “Intermediate/Inner” and “Outer” Labels.
Note: The change does not affect already established non-standard labels or boards.

Anticipated Impact on Form, Fit, Function, Quality or Reliability:

No anticipated adverse impact to the Fit, Form, Function, Quality and/or Reliability of said product; as all relevant labeling protocols are industry compliant and adheres to JEDEC: JEP130B and J-STD 033D standards.

Anticipated Impact on Material Declaration:

- No Impact to the Material Declaration Material Declarations or Product Content reports are driven from production data and will be available following the production release.

Product Affected:

The “Intermediate/Inner” and “Outer” label standardization is global/worldwide and applies for Integrated Circuits (ICs) that have been purchased. The described standardization does not apply retrospectively or to existing packaged material and will be rolled out via a phased-in approach over the 2019 calendar year until existing inventoried material has been consumed.

Note: The change does not affect already established non-standard labels or boards.

Changes To Product Identification Resulting From This PCN:

Special Note: There are “NO CHANGES” to the product symbolization; it remains the same.

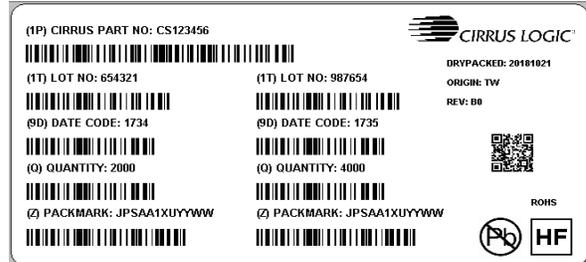
APPENDIX A

“Intermediate/Inner” standard label example(s):

Example of 1 Lot Reel Label:



Example of 2 Lot Reel Label:



Example of Bulk (Tray & Tube) Label:



“Intermediate/Inner” standard label content reference matrix:

TITLE	DI	HUMAN READABLE	1D BARCODE	2D BARCODE
Cirrus Part #	✓	✓	✓	✓
Lot #	✓	✓	✓	✓
Date Code	✓	✓	✓	
Pack Mark	✓	✓	✓	
Quantity	✓	✓	✓	✓
Vendor Code	✓			✓
Wafer ID	✓			✓
Reel ID	✓			✓
Dry Packed Date		✓		
REV		✓		
Origin		✓		
Cirrus Logo		✓		
ROHS (If applicable)		✓		
PB Free (If applicable)		✓		
Halogen Free (If applicable)		✓		



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APPENDIX A (Continued)

“Outer” standard label example:

SHIP FROM: Cirrus Logic, Inc. c/o JSI Logistics (HK) Ltd 18/F, Watson Center 16-22 Kung Yip Street Kwai Chung, NT, Hong Kong		SHIP TO: Cirrus Logic, Inc. c/o JSI Logistics 2101 East St. Elmo, Suite 375 Austin, TX 78444 US			
(P) CUSTOMER PART #: CUSTPN12345 		REV: B1		Ship Date: MMDDYYYY	
(1P) CIRRUS PART #: CS42LXX-WZR 		Package Count: 1 of 3		25 KGS 11.3 KGS	
(K) CUSTOMER PO: 987654321 		Lot No.:	Qty:	D/C:	Origin:
(3S) DELIVERY NO: 0080498765 		654321	2000	1734	TW
(Q) TOTAL QUANTITY: 12000 		987654	4000	1735	TW
		234567	1000	1734	TW
		345678	1000	1733	TW
		456789	1000	1735	TW
		123456	1000	1733	TW
		876543	1000	1734	TW
		765432	500	1735	TW
		963258	500	1733	TW
		ROHS HF			

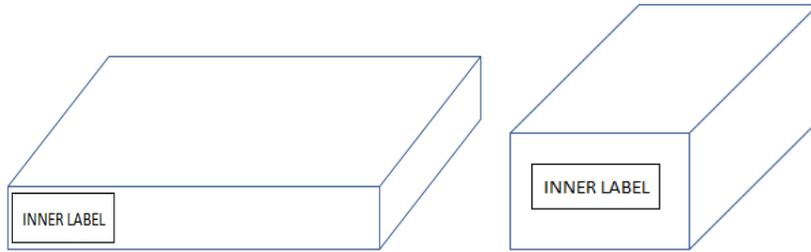
“Outer” standard label content reference matrix:

TITLE	DI	HUMAN READABLE	1D BARCODE
Ship From (Name & Address)		✓	
Ship To (Name & Address)		✓	
Cirrus Part #	✓	✓	✓
Purchase Order #	✓	✓	✓
Total Quantity	✓	✓	✓
Lot #		✓	
Date Code (D/C)		✓	
Quantity per lot		✓	
Origin		✓	
Ship Date		✓	
Package Count (# of boxes)		✓	
Carton Weight		✓	
ROHS (If applicable)		✓	
PB Free (If applicable)		✓	
Halogen Free (If applicable)		✓	

APPENDIX A (Continued)

Example of Box Label Location(s)/Placement:

Special Note: All other labels will be applied; if and as applicable (i.e. RoHS compliant, PARTIAL, Etc...)



Example of MBB with Label Location(s)/Placement:

Special Note: All other labels will be applied; if and as applicable (i.e. RoHS compliant, PARTIAL, Etc...)



Example of Tape & Reel with Label Location(s)/Placement:2

Special Note: All other labels will be applied; if and as applicable (i.e. RoHS compliant, PARTIAL, Etc...)

