



Process Change Notification

PCN Number: PCN-2015-568

PCN Notification Date: 05/07/2015

Informational

Transition from Ink to Laser Marking

Dear Customer,

This notification is to advise you of the following change(s).

This is a Product Change Notice (PCN) to transition the Package Mark from **Ink Marking** to **Laser Marking** for parts listed in the table below. Please see the attachment for details and supporting documents.

This notification is per the Cirrus Logic standard communication process. Any inquiries should be directed to your local Field Sales Representative. Request for samples should be made before May 31st 2015 by emailing **pcn_samples@cirrus.com**.

If you have any questions, please contact your Sales Representative.

Sincerely,

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



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Products Affected:

The devices listed on this page are the complete list of affected devices. According to our records, these are the devices that you have purchased within the past twenty-four (24) months.

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

Title:	Transition device marking from Ink to Laser Mark.				
Customer Contact:	Local Field Sales Representative	Phone:	(512) 851-4000	Dept:	Corporate Quality
Proposed 1st Ship Date:	No earlier than October 2015	Estimated Sample Availability Date:	To be provided upon sample request. pcn_samples@cirrus.com		
Change Type:					
	Assembly Site	X	Assembly Process		Assembly Materials
	Wafer Fab Site		Wafer Fab Process		Wafer Fab Materials
	Wafer Bump Site		Wafer Bump Process		Wafer Bump Material
	Test Site		Test Process		Design
	Electrical Specification		Mechanical Specification		Part Number
	Packing/Shipping/Labeling		Other		
Comments:	Part marking method, from Ink to Laser mark. Change Type = Minor				

PCN Details

Description of Change:

Part marking will transition from Ink to Laser Mark. In the Ink mark process, ink is applied on top of the mold compound (top surface). In contrast, the Laser mark process uses a laser to ablate a portion of the mold compound (<50microns) to form the part marking.

Reason for Change:

Cirrus Logic was informed by our assembly subcontractor Siliconware Precision Industries Limited (SPIL) their intent to obsolete the current Ink Marking system and replace with Laser Marking. Benefits of the change include:

- Aligns with the industry standard (most suppliers have already transitioned to Laser Mark)
- Ensures no disruption in supply.

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

Anticipated No Adverse Impact to the Quality and/or Reliability of said product.



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Product Affected:

Cirrus Logic Part Numbers

CS181002-CQZ/A1	CS47024C-CQZ/C0	CS497014-CVZ/D0	CS8900A-CQ3ZR/H
CS181002-CQZR/A1	CS47024C-CQZR/C0	CS497014-CVZR/D0	CS8900A-CQR/H
CS181012-CQZ/A1	CS47024C-DQZ/C0	CS497024-CVZ/D0	CS8900A-CQZ/H
CS181022-CQZ/A1	CS47028C-CQZ/C0	CS497024-CVZR/D0	CS8900A-CQZR/H
CS181022-CQZR/A1	CS47028C-CQZR/C0	CS49DV8C-CVZ/D0	CS8900A-IQ3Z/H
CS3308-CQZ/C0	CS47028C-DQZ/C0	CS5345-CQZ/C1	CS8900A-IQ3ZR/H
CS3308-CQZR/C0	CS47048C-CQZ/C0	CS5345-CQZ/D0	CS8900A-IQZ/H
CS3308-DQZ/C0	CS47048C-CQZR/C0	CS5345-CQZR/C1	CS8952-CQZ/F
CS3318-CQZ/C0	CS47048C-DQZ/C0	CS5345-CQZR/D0	CS8952-CQZR/F
CS3318-CQZR/C0	CS47048C-DQZR/C0	CS5345-DQZ/D0	CS8952-IQZ/F
CS3318-DQZ/C0	CS48520-CQZ/C0	CS5346-CQZ/A1	CS98200-CMZ/B3
CS42324-CQZR/B0	CS48520-CQZR/C0	CS5346-CQZR/A1	EP7309-CVZ/E
CS42448-CQZ/D	CS48540-CQZ/C0	CS5346-DQZR/A1	EP7312-CVZ/E
CS42448-CQZR/D	CS48540-CQZR/C0	CS5364-CQZ/B0	EP7312-CVZ-90/E
CS42448-DQZR/D	CS48560-CQZ/C0	CS5364-CQZR/B0	EP7312-CVZR/E
CS4245-CQZ/C1	CS48560-CQZR/C0	CS5364-DQZ/B0	EP7312-IVZ/E
CS4245-CQZR/C1	CS48560-DQZ/C0	CS5364-DQZR/B0	EP7312M-CVZ/E
CS4245-CQZR/D0	CS495303-CVZ/D0	CS5366-CQZ/B0	EP9301-CQZ/E2
CS4245-CQZR/D0	CS495303-CVZR/D0	CS5366-CQZR/B0	EP9301-CQZR/E2
CS4245-DQZ/C1	CS495313-CVZ/D0	CS5366-DQZ/B0	EP9301-IQZ/E2
CS4245-DQZR/C1	CS495314-CVZ/D0	CS5366-DQZR/B0	EP9302-CQZ/E2
CS42888-CQZ/D	CS495314-CVZR/D0	CS5368-CQZ/B0	EP9302-IQZ/E2
CS42888-DQZ/D	CS495314-DVZ/D0	CS5368-CQZR/B0	
CS42888-DQZR/D	CS496102-CQZ/A1	CS5368-DQZR/B0	
CS42888-DQZ/D	CS495314-DVZ/D0	CS5368-CQZR/B0	
CS42888-DQZR/D	CS496102-CQZ/A1	CS5368-DQZR/B0	
CS4365-DQZR/B	CS496112-CQZ/A1	CS5376A-IQZ/A	
CS4385A-DQZ/B1	CS496112-CQZR/A1	CS5376A-IQZR/A	
CS4385A-DQZR/B1	CS496112-IQZ/A1	CS61584A-IQ3Z/E	
CS4385-DQZ/B	CS496122-CQZ/A1	CS61584A-IQ5Z/E	
CS4385-DQZR/B	CS496122-IQZ/A1	CS61884-IQZ/B	
CS44800-CQZR/B	CS497004-CQZ/D0	CS8900A-CQ3Z/H	

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Changes To Product Identification Resulting From This PCN:

The Cirrus Logic component symbolization on the external face of the device reflects the designated Assembly Site, which remains as is with no change. The appearance (contrast) of the part marking will change. See examples below.

Package #1 -- 128LQFP 14x20mm

INK Mark



Laser Mark

**Package #2 -- 144LQFP 20x20mm**

INK Mark



Laser Mark

**Package #3 -- 48LQFP 7x7mm**

INK Mark



Laser Mark



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Package #4 -- 64LQFP 10x10mm

INK Mark



Laser Mark

**Package #5 208LQFP 28x28mm**

INK Mark



Laser Mark

