



# Process Change Notification

PCN Number: PCN-000017

PCN Notification Date: April 16<sup>th</sup>, 2024

## Initial PCN

### **Lead Frame 2nd Source Supplier for 28 QFN component material**

Dear Customer,

This Initial PCN notification is to advise you of the following change(s):

- Due to on-going supply constraints and overall demand our supply base (ANST) is adding 2<sup>nd</sup> Source Lead Frame Suppliers (Ningbo Kangqiang Electronics Co., Ltd.) for the 28 QFN component material to ensure continuity of supply.
- There is no anticipated adverse impact to the Fit, Function, Quality and/or Reliability of said product.

Note: Our identified 2<sup>nd</sup> Source Supplier has been well-established / qualified lead frame material supplier of ANST for several years.

A Final PCN is forthcoming and will depict the results of the package level qualification.

Upon successful completion of the package level qualification, the change will be effective immediately. Thereafter, utilization of the 2<sup>nd</sup> source supplier lead frame material will commence, be a running change and fully transition in 2024/2025.

Cirrus Logic would like to take this opportunity to thank our customers for their cooperation and assistance in this respective matter. Any specific or immediate inquiries should be directed to your local Field 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. The corresponding customer part number is also listed, if available.

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

Title:		Lead Frame 2nd Source Supplier for 28 QFN component material					
Customer Contact:		Local Field Sales Representative		Phone:	(512) 851-4000	Dept:	Corporate Quality
Proposed 1 <sup>st</sup> Ship Date:			2024/2025	Estimated Sample Availability Date:			Upon Request
Change Type:							
	Assembly Site			Assembly Process		X	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		X	Other			
Comments:		Addition of 2 <sup>nd</sup> Source Lead Frame Supplier					

## PCN Details

### Description of Change:

#### Source Change(s):

Addition of 2<sup>nd</sup> Source Lead Frame Supplier (Ningbo Kangqiang Electronics Co., Ltd.)

#### Form Change(s):

- Frame Strip Size

<b>From:</b>	71.55mm * 230mm (320 Units/Strip)	<b>To:</b>	75mm*243mm (480Units/Strip)
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**Note:** Size for the individual unit remains the same.

### Reason for Change:

To maintain continuity of material supply.

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

There is no anticipated adverse impact to the Fit, Function, Quality and/or Reliability of said product.

### Anticipated Impact on Material Declaration:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> No Impact to the Material Declaration | <input type="checkbox"/> Material Declarations or Product Content reports are driven from production data and will be available following the production release. |
|---|---|

### Product Affected:

Rev. 09062017A

Cirrus Logic | 800 W. 6th St., Austin, TX 78701 | 512-851-4000

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## Process Change Notification

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Device	Cirrus Logic Part Number
1	CS8416K-CNZ
2	CS8416K-CNZR

### Changes To Product Identification Resulting From This PCN:

No change to product identification



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The Qualification Plans are designed using JEDEC and other applicable industry standards. An overall summary of the Qualification results will be submitted upon completion.

## CS8416K - Qualification

CS8416K Qualification: <input checked="" type="checkbox"/> Plan <input type="checkbox"/> Test Results			
Reliability Test	Standard	Conditions	Sample Size (PASS/FAIL)
<b>WBP</b> (Wire Bond Pull)	MIL-STD-883 Method 2011	Paragraph 3 (Procedure) (3 Lots – 5 units / Lot) (15 – Units)	(Results Are Pending)
<b>WBS</b> (Wire Bond Shear)	JESD22 B116	Paragraph 4 (Procedure) (3 Lots – 5 units / Lot) (15 – Units)	(Results Are Pending)
<b>SD</b> (Solderability)	JESD22 B102	245°C / 8 hr steam age before SD (3 Lot – 5 units) (15 – Units)	(Results Are Pending)
<b>PD</b> (Physical Dimensions)	JESD22 B100 + B108	Package outline per JESD95 Cpk > 1.50 per JESD95 (30 - Units)	(Results Are Pending)
<b>Pre-Conditioning</b>	JEDEC J-STD-020 JESD22-A113	MSL3 (85°C/85% RH, 168hrs) (3 Lots) – 154 Units/Lot (462 – Units for 231 Units/Stress)	(Results Are Pending)
<b>Temperature Cycle</b>	JESD22 A104	-65°C to +150°C for 500 cycles (3 Lots) – 77 units/Lot (231 – Units)	(Results Are Pending)
<b>uHAST</b> (Unbiased HAST)	JESD22 A118	+130°C/85% RH, 96 hrs (3 Lots) – 77 units/Lot (231 – Units)	(Results Are Pending)
<b>CSAM</b>	J-STD-035	(3 Lots) – 22 units/Lot (66 – Units)	(Results Are Pending)
<b>Notes:</b> <ul style="list-style-type: none"><li>Successful Qualification Criterion: “pass” on zero fails for each test depicted above.</li></ul> <b>Reliability Qualification Results:</b> <ul style="list-style-type: none"><li>(Results Are Pending)</li></ul>			