



800 W. 6th Street, Austin, TX 78701

PCN-2014-541

**Assembly Site Transfer from StatsChipPac Kuala Lumpur, Malaysia (SCM)
to ANST Wuxi CHINA for the CS42L51-CNZ(R), CS42L51-DNZ(R), CS43L21-CNZ(R),
CS53L21-CNZ(R) and CS53L21-DNZ(R) components**

**Process/Product Change Notification
(Reference Advance PCN-2014-522)**

Date: June 2014

Dear Customer:

This is a Final Announcement of the Assembly Site Transfer from StatsChipPac Kuala Lumpur, Malaysia to ANST Wuxi CHINA for the CS42L51-CNZ(R), CS42L51-DNZ(R), CS43L21-CNZ(R), CS53L21-CNZ(R) and CS53L21-DNZ(R) components that are currently offered by Cirrus Logic. This Final announcement is a follow on to the Advance PCN notification communicated to all customers in February of this calendar year 2014. The details of this Assembly Site Transfer are outlined on the following pages.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the lifetime buy offering/discontinuance plan.

The described change(s) within this PCN will not be realized or take effect any earlier than **60** days from the date of this notification, unless a customer agreement has been reached on an earlier implementation of the change or successful completion of the defined qualification has been realized.

Please note that the notification period has been reduced from 90 days to 60 days as the SCM site recently informed Cirrus that the closure date has been moved forward from December 31st, 2014 to September 30th, 2014. Cirrus has no control over any changes to the site closure date.

Any negotiated alternative change requirements will be provided via the customer's defined process. Customers with previously negotiated, special requirements will be handled separately. 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,

PCN Coordinator
Cirrus Logic Corporate Quality
Phone: +1(512) 851-4000

Attachment: 1**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).

PCN Number:	2014-541	PCN Date:	June 2014
Title:	Assembly Site Transfer from StatsChipPac Kuala Lumpur, Malaysia to ANST Wuxi CHINA for the CS42L51-CNZ(R), CS42L51-DNZ(R), CS43L21-CNZ(R), CS53L21-CNZ(R) and CS53L21-DNZ(R) components		
Customer Contact:	Local Field Sales Representative	Phone:	(512) 851-4000
		Dept:	Corporate Quality
Proposed 1st Ship Date:	August 2014	Estimated Sample Availability date:	June 2014
Change Type:	Assembly Site Transfer to an existing Qualified Cirrus Logic Site Location: Change Type = Major		
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Assembly Process
<input type="checkbox"/>	Design	<input type="checkbox"/>	Electrical Specification
<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Packing/Shipping/Labeling
<input type="checkbox"/>	Wafer Bump Site	<input type="checkbox"/>	Wafer Bump Material
<input type="checkbox"/>	Wafer Fab Site	<input type="checkbox"/>	Wafer Fab Materials
<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Mechanical Specification
<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Wafer Fab Process		

PCN Details
Description of Change:
<p>Cirrus Logic's package Assembly and Test Supplier, StatsChipPac, has announced their site in Kuala Lumpur, Malaysia will close by September 30th, 2014.</p> <p>Cirrus Logic is qualifying and will move these products to the existing qualified subcontractor (ANST) site location in Wuxi CHINA.</p> <p>Below you will find an outline of the described changes for these components:</p> <p>CS42L51-CNZ(R), CS42L51-DNZ(R), CS43L21-CNZ(R), CS53L21-CNZ(R) and CS53L21-DNZ(R)</p> <ul style="list-style-type: none"> Assembly Site Change: From: StatsChipPac Kuala Lumpur, Malaysia → To: ANST Wuxi CHINA PackMark COO Symbolization: From: MYS → To: CHN Mold Compound: From: Sumitomo EME-G770 → To: Hitachi CEL-9240HF
Reason for Change:
<p>Cirrus Logic's package Assembly and Test Supplier, StatsChipPac, has announced their site in Kuala Lumpur, Malaysia will close by September 30th, 2014.</p>

Cirrus Logic is qualifying and will move these products to the existing qualified subcontractor (ANST) site location in Wuxi CHINA.

Special Note:

As a full services supplier and in order to ensure continuity of supply as well as sustain quality an accelerated timeframe has been established for the full transfer of said product no later than September 30th, 2014.

Earlier production level material may be available from the qualified subcontractor (ANST) site location in Wuxi CHINA, but shipment(s) from Cirrus Logic are contingent on successful completion of the designated site transfer qualification.

Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):

Anticipated No Adverse Impact to the Quality & Reliability of said product; as Transfer Site is an existing Cirrus Logic qualified subcontractor (ANST) site (Wuxi CHINA) and considered low risk.

Product Affected: ☒ Table I

<u>Customer Material Part Number</u>	<u>Cirrus Logic Part Number</u>
Device 1:	CS42L51-CNZ(R)
Device 2:	CS42L51-DNZ(R)
Device 3:	CS43L21-CNZ(R)
Device 4:	CS53L21-CNZ(R)
Device 5:	CS53L21-DNZ(R)

Changes to product identification resulting from this PCN:

The Cirrus Logic component symbolization on the external face of the device reflects the designated Country Of Origin.

Below you will find a representative example:

Our part: **CS42L51-CNZ(R), CS42L51-DNZ(R), CS43L21-CNZ(R), CS53L21-CNZ(R) and CS53L21-DNZ(R)**

Mark format: **234**

Mark change:

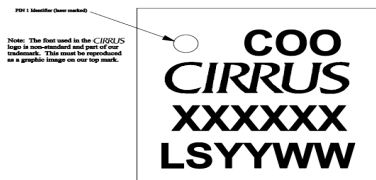
- Assembly vendor = None (not shown on mark)
- COO = changing From: **MYS** → TO: **CHN**

Line 1: Country Of Origin (COO)

Line 2: Logo Line

Line 3: Part Number (6 spaces max.)

Line 4: Package Mark (6 spaces max.)



With the Site Transfer to ANST Wuxi CHINA, the material will receive the appropriate designation for the Country Of Origin.

Qualification Data:

This qualification has been specifically developed for the validation of this change. The qualification data validates that the proposed change meets the applicable released technical specifications.

Qualification Schedule:	Start:	March 2014	End:	July 2014
Qualification Device Construction Details:				
	Device 1	Device 2		
Part Number(s):	CS42L51-CNZ(R), CS42L51-DNZ(R), CS43L21-CNZ(R), CS53L21-CNZ(R) and CS53L21-DNZ(R)			
Wafer Fab Site:	YF			
Wafer Technology:	0.25			
Die Size:	6.15 mm			
Assembly Site:	ANST Wuxi CHINA			
Package Type/Code:	32QFN5Z 5x5			
Moisture Level:	MSL (Moisture Sensitivity Level) 3			
Package Pins:	32 NL QFN			
Lead Frame Material:	Cu (Copper)			
Mold Compound Supplier:	CEL-9240HF Hitachi			
Lead Finish:	Matte Sn Plate			
Die Attach Material	Ablebond 8290			
Wire Diameter:	0.8mil			
Wire Base Metal:	Au (Gold)			

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

CS42L51-DNZ(R) Qualification

CS42L51-DNZ(R) Qualification: <input checked="" type="checkbox"/> Plan <input type="checkbox"/> Test Results			
Reliability Test			Sample Size (PASS/FAIL)
Pre-Conditioning	JEDEC J-STD-020A	MSL3 / 260°C (1 Lot)	231 / 0
BHAST (Biased HAST)	JESD22 A101	130C/85%RH/96 hrs (BHAST) Read Point (96Hrs) (1 Lot)	77 / 0
Temperature Cycle	JESD22 A104	-65°C to +150°C for 500 cycles (1 Lots)	77 / 0
WBS (Wire Bond Shear)	JESD22 B116	Paragraph 4 (Procedure) (1 Lot)	5 units / lot
WBP (Wire Bond Pull)	MIL-STD-883 Method 2011	Paragraph 3 (Procedure) (1 Lot)	5 units / lot
SD (Solderability)	JESD22 B102	93°C / 8 hr steam age before SD (1 Lot)	15 units / lot
PD (Physical Dimensions)	JESD22 B100 + B108	Package outline per JESD95 Cpk > 1.50 per JESD95 (1 Lot)	20 / 0
ED (Electrical Distribution)	JESD86	Parametric limits per datasheet or user spec Designed for -40°C to +105°C (1 Lot)	30 / 0
HTSL (High Temperature Storage Life)	JESD22 A103	150°C for 1000 hrs (1 Lot)	45 / 0

Notes:

- Qualification tests "pass" on zero fails for each test
- CS42L51-DNZ(R) serves as the QBS (Qualification By Similarity) Vehicle for CS42L51-CNZ(R), CS43L21-CNZ(R), CS53L21-CNZ(R) and CS53L21-DNZ(R)