Customer Process Change Notification Form

PCN-2012-453	**Notification Date:** 1/11/2012

Part Information

Cirrus Logic Part # / Quantity

CS1501-FSZ(R), CS1601-FSZ(R), CS1601H-FSZ(R)

PCN Effective Date: 1/10/2012   **Lot Effective Date:** 1/10/2012

Cirrus P/N Change: ○ Yes ◉ No

(Contact the sales representative for availability of samples if applicable)

If yes, provide new part number:

Package Mark Change: ○ Yes ◉ No

If Yes, briefly explain:

[Any Fab, Assembly, or Design changes results in pack mark changes, please provide detail]

Reason for Change:

☐ Design/New Rev ☐ Fab Process
☐ Assembly Site ☐ Additional Assembly Source
☐ Fab Site ☐ Assembly Process
☑ Other (Specify) ☐ Additional Fab Source

Updated datasheets, no changes to device.

Description of Change:

☐ Fix Errata ☐ Yield Enhancement
☐ Fix Known Bug ☐ Performance Improvement
☑ Other (specify)

Updated datasheets, please see below.

Quality and Reliability Impact:

Qualification Data Required? ○ Yes ◉ No

Data Sheet Change Required? ◉ **Yes** ○ **No**
If Yes, briefly explain:

To better align with current test procedures and more clearly define the device parameters, the following changes have been made to the CS1501/1601 datasheets:

1) ZCD Sink Current Characteristics and Specifications (Section 3 page 4)
a. Typical, maximum, and condition was removed
b. Min parameter remained unchanged
c. Note was added for clarity
2) Zener Voltage (Vz) in the Value column of the Absolute Maximum Rating (Section 3.2 page 6)
a. An absolute value (19V) replaced Vz for Absolute IC Supply Voltage
b. Analog Input Max Voltage and Gate Drive Output Voltage value were changed from Vz to (Vdd +0.5) for the Analog Inputs Voltage and (Vdd+0.3) for the Gate Drive Output Voltage
3) Machine Model parameter is not required and was therefore removed from the Electrostatic Discharge Capability row of the Absolute Maximum Rating (Section 3.2 page 6)
4) Pin 2 (STBY) added to the Absolute Maximum Ratings (Section 3.2 page 6)

Additionally to the CS1601 Datasheet only:
• Added Part number for the CS1601H to the ordering information

Software Change Required? ○ **Yes** ⦿ **No**
If Yes, briefly explain:

Customer Acknowledgement and Agreement
Acknowledged and Agreed as of the Date written below:

Customer Company Name: _____

Customer Contact Name: _____

Title: _____

Signature: _____

Date: [_____]

○ Customer Agreed   ○ Customer Reject   ○ Not Applicable

Customer Comments:

	Title: **CUSTOMER PROCESS CHANGE NOTIFICATION FORM**		
CIRRUS LOGIC	Digitally Signed By:	Doc No: 4-QUAL-00017	Rev: D

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