



## Process Change Notification Form

<b>PCN Number:</b>	PCN_0232__CS5460C_CS5461A_RevC
<b>Date of Notification:</b>	07/23/2009
<b>Cirrus Logic P/N(s):</b>	CS5461A-IS, CS5461A-ISR, CS5461A-ISZ, CS5461A-ISZR, CS5460C-ISZ, CS5460C-ISZR
<b>Date PCN Effective:</b>	10/23/2009
<b>Reason for Change:</b>	<input checked="" type="checkbox"/> Design /New Rev. <input type="checkbox"/> Fab Site <input type="checkbox"/> Fab Process <input type="checkbox"/> Additional Fab Source <input type="checkbox"/> Assembly Site <input type="checkbox"/> Assembly Process <input type="checkbox"/> Additional Assembly Source <input type="checkbox"/> Other (specify)
<b>Description of Change:</b>	<input type="checkbox"/> Fix errata <input type="checkbox"/> Yield enhancement <input type="checkbox"/> Fix known bug <input checked="" type="checkbox"/> Performance Improvement <input type="checkbox"/> Other <p style="margin-left: 40px;">Performance improvement of higher dynamic range in the pulse outputs (E1, E2, E3); new conversion commands (0xEC) to correct phase mismatch issue; programmable pulse width on E3; correct AC offset calibration return; more accurate temperature sensor; no-load threshold; lower overall power consumption; increased HPF settling time and DRDY delay; noise level; fix of the maximum pulse rate.</p> <p style="margin-left: 40px;">The CS5461A-IS and CS5461A-ISR devices will be transitioned from leaded to lead-free package type with the new rev. Customers should be alerted to transition to the lead-free products, CS5461A-ISZ and CS5461A-ISZR.</p>
<b>Cirrus Logic P/N Change:</b>	<input type="checkbox"/> Yes, New Part Number: <input checked="" type="checkbox"/> No
<b>Pack Mark Change:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, briefly explain: From: YFNABXxxYYWW To: YFNACXxxYYWW <i>[Any Fab, Assembly, or Design changes results in pack mark changes, please provide detail]</i>
<b>Lot Effective Date:</b>	10/22/2009 <i>[Contact the area sales representative for availability of samples if applicable]</i>
<b>Quality &amp; Reliability impact:</b>	See attached. Qualification Data: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required <b>***See Pages Below***</b>

<p><b>Datasheet Change Required?</b></p>	<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No                  If Yes, briefly explain:</p> <p>Revised datasheet references changes for:</p> <ul style="list-style-type: none"> <li>- Noise level</li> <li>- Power consumption</li> <li>- New PulseWidth register</li> <li>- New LoadMin and LoadIntv registers</li> <li>- New default values in Tgain and Toff registers</li> <li>- New "Start Conversions" command – 0xEC</li> </ul> <p>Refer to the attached revised datasheet attachment in mailing and technical bulletin located below.</p>

<p><b>Software Change Required?</b></p>	<p><input checked="" type="checkbox"/> Yes   <input type="checkbox"/> No                  If Yes, briefly explain:</p> <p>Software change is required if the customer is using or is going to use:</p> <ul style="list-style-type: none"> <li>- DRDY bit in the Status register or DRDY interrupt</li> <li>- No-load threshold</li> <li>- 0xEC command</li> <li>- Configurable pulse width on E3</li> <li>- AC offset calibration</li> </ul> <p>Refer to the attached technical bulletin. The customers should check if these changes make any differences for their meters before making the drop-in replacement decision.</p>
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Cirrus Logic PCN administrator: \_\_\_\_\_

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**Acknowledgement of Receipt of Notice:**

Does customer waive PCN Effective Date?  YES  NO

Company Name: \_\_\_\_\_

Name (please print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*Customer Representative is to obtain the customer acknowledgement/signature and return this notification to Cirrus Logic Corp. Quality, attn: PCN administrator at fax number (512) 851-4656*

***NOTE: Lack of acknowledgement within 30 days of the date of notice, constitutes acceptance of change.  
(Reference JEDEC Industry Standard: JESD-46)***