



Process Change Notification Form

PCN Number:	PCN_0282																																												
Date of Notification:	16 December 2009																																												
Cirrus Logic P/N(s):	VRE302CS, VRE302CD, VRE302JS, VRE302JD, VRE302KS, VRE302LS, VRE302LD																																												
Date PCN Effective:	3 December 2009																																												
Reason for Change:	<input 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 checked="" type="checkbox"/> Other (specify) Specification Limit Change																																												
Description of Change:	<input type="checkbox"/> Fix errata <input type="checkbox"/> Yield enhancement <input type="checkbox"/> Fix known bug <input type="checkbox"/> Performance Improvement <input checked="" type="checkbox"/> Other Upon integration of the Thaler precision voltage reference product line and manufacturing processes into Cirrus logic it has been determined that the specifications of certain VRE part numbers must be changed. These changes are necessary to conform to the actual design and process capability of each model in the product line.																																												
Cirrus Logic P/N Change:	<input type="checkbox"/> Yes, New Part Number: <input checked="" type="checkbox"/> No																																												
Pack Mark Change:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																												
Lot Effective Date:	Date code 0949 <i>[Contact the area sales representative for availability of samples if applicable]</i>																																												
Quality & Reliability impact:	Qualification Data: <input type="checkbox"/> Required <input checked="" type="checkbox"/> Not Required																																												
Datasheet Change Required?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, briefly explain: **Update datasheets will be available on the Cirrus Logic website on or before December 18, 2009** <table border="1" style="width: 100%; margin-top: 10px; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Cirrus Logic Part Number</th> <th colspan="2">Output (+/-mV)</th> <th colspan="2">Temp. Co. (ppm/°C)</th> </tr> <tr> <th>From</th> <th>To</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>VRE302CS</td> <td>0.50</td> <td>0.60</td> <td>2.0</td> <td>2.2</td> </tr> <tr> <td>VRE302CD</td> <td>0.50</td> <td>0.60</td> <td>2.0</td> <td>2.2</td> </tr> <tr> <td>VRE302JS</td> <td>0.25</td> <td>0.40</td> <td>0.6</td> <td>1.0</td> </tr> <tr> <td>VRE302JD</td> <td>0.25</td> <td>0.40</td> <td>0.6</td> <td>1.0</td> </tr> <tr> <td>VRE302KS</td> <td>0.40</td> <td>0.50</td> <td>1.0</td> <td>2.0</td> </tr> <tr> <td>VRE302LS</td> <td>0.50</td> <td>0.60</td> <td>2.0</td> <td>2.2</td> </tr> <tr> <td>VRE302LD</td> <td>0.50</td> <td>0.60</td> <td>2.0</td> <td>2.2</td> </tr> </tbody> </table>	Cirrus Logic Part Number	Output (+/-mV)		Temp. Co. (ppm/°C)		From	To	From	To	VRE302CS	0.50	0.60	2.0	2.2	VRE302CD	0.50	0.60	2.0	2.2	VRE302JS	0.25	0.40	0.6	1.0	VRE302JD	0.25	0.40	0.6	1.0	VRE302KS	0.40	0.50	1.0	2.0	VRE302LS	0.50	0.60	2.0	2.2	VRE302LD	0.50	0.60	2.0	2.2
Cirrus Logic Part Number	Output (+/-mV)		Temp. Co. (ppm/°C)																																										
	From	To	From	To																																									
VRE302CS	0.50	0.60	2.0	2.2																																									
VRE302CD	0.50	0.60	2.0	2.2																																									
VRE302JS	0.25	0.40	0.6	1.0																																									
VRE302JD	0.25	0.40	0.6	1.0																																									
VRE302KS	0.40	0.50	1.0	2.0																																									
VRE302LS	0.50	0.60	2.0	2.2																																									
VRE302LD	0.50	0.60	2.0	2.2																																									
Software Change Required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																																												

Cirrus Logic PCN administrator: _____

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)***