



Process Change Notification Form

PCN Number:	PCN_0299_Normandy_SCC																		
Date of Notification:	6/15/2010																		
Cirrus Logic P/N(s):	CS8952-CQZ CS8952-CQZR CS8952-IQZ CS8952-IQZR																		
Date PCN Effective:	9/15/2010																		
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 checked="" type="checkbox"/> Additional Assembly Source <input type="checkbox"/> Other (specify)																		
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 Addition of assembly site SCC. Summary of Bill of Material Change: <table border="1" style="width: 100%; margin-top: 5px;"> <tr> <td>100LQZ</td> <td>Current - SPIL</td> <td>New Site - SCC</td> </tr> <tr> <td>Mold Compound</td> <td>Sumitomo G700</td> <td>No Change</td> </tr> <tr> <td>Die Attach</td> <td>Sumitomo 1033BF</td> <td>Ablebond 3230</td> </tr> <tr> <td>Wire</td> <td>1.0 mil Au</td> <td>No Change</td> </tr> <tr> <td>Leadframe</td> <td>Cu 256 x 256 mil</td> <td>No Change</td> </tr> <tr> <td>Finish</td> <td>Matte Sn, 100%</td> <td>No Change</td> </tr> </table>	100LQZ	Current - SPIL	New Site - SCC	Mold Compound	Sumitomo G700	No Change	Die Attach	Sumitomo 1033BF	Ablebond 3230	Wire	1.0 mil Au	No Change	Leadframe	Cu 256 x 256 mil	No Change	Finish	Matte Sn, 100%	No Change
100LQZ	Current - SPIL	New Site - SCC																	
Mold Compound	Sumitomo G700	No Change																	
Die Attach	Sumitomo 1033BF	Ablebond 3230																	
Wire	1.0 mil Au	No Change																	
Leadframe	Cu 256 x 256 mil	No Change																	
Finish	Matte Sn, 100%	No Change																	
Cirrus Logic P/N Change:	<input type="checkbox"/> Yes, New Part Number: <input checked="" type="checkbox"/> No																		
Pack Mark Change:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, briefly explain: Two character field in Pack Mark used to denote assembly facility will change from "WA" to "BA", signifying StatsChipPac China. Country of origin will change from Taiwan to China.																		
Lot Effective Date:	Material manufactured with date code 1035 and later. <i>[Contact the area sales representative for availability of samples if applicable]</i>																		
Quality & Reliability impact:	***See Below*** Qualification Data: <input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required																		
Datasheet Change Required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, briefly explain:																		
Software Change Required?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, briefly explain:																		



RELIABILITY QUALIFICATION REPORT

Report Date: 9/30/2009

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Reliability Report: QRR090920

Subject/Purpose:

This is to qualify the Bill Of Materials change at STATSChipPAC (China) for the Pb-free 64 lead and 100 lead LQFP packages to Sumitomo G700 mold compound and Ablebond 3230 epoxy.

APPROVALS:

Rod Boutwell
Reliability Engineering

Results:

Qualification successful.

STATUS:

Complete - Pass

<u>Stress</u>	<u>Conditions</u>	<u>Method</u>	<u>Duration</u>	<u>Lot</u>	<u>Results (Fail/Sample)</u>
Precondition MSL-3	24HR 125 °C Bake	JESD22-A113	Precondition	1	0/154
QJ1842 (Similarity)	192HR 30°C/60%RH Soak		Precondition	2	0/231
QJ1844 (Similarity)	3 pass 260 °C Convection		Precondition	3	0/22
QJ1845 (Similarity)	reflow		Precondition	4	0/22
QJ1846			Precondition	5	0/77
QJ1847			Precondition	6	0/22
QJ1848			Precondition	7	0/231
QJ1849			Precondition	8	0/22
QJ1850 (Similarity)			Precondition	9	0/231
QJ1851 (Similarity)					

Background Information:

Part #: CS8900A Rev: H Fab: MagnaChip (F) Lead Finish: Pb-free
 Package: 100LQFP Assembly: STATSChipPAC (China)

Prepared by: Rod Boutwell

CONFIDENTIAL



**RELIABILITY
QUALIFICATION
REPORT**

Report Date: 9/30/2009

Reliability Report: QRR090920

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<u>Stress</u>	<u>Conditions</u>	<u>Method</u>	<u>Duration</u>	<u>Lot</u>	<u>Results (Fail/sample)</u>
THB	85 °C	JESD22-A101	1000 Hours	1	0/77
QJ1794 (Similarity)	85 %RH		1000 Hours	2	0/77
QJ1795 (Similarity)	5.25 Volts		1000 Hours	3	0/77
QJ1806	Static		1000 Hours	3	0/77
QJ1808 (Similarity)	85 °C		1000 Hours	4	0/77
	85 %RH				
	5.0 Volts				
	Static				
Temperature Cycle cond. C	-65 °C	JESD22-A104	500 Cycles	1	0/77
QJ1842 (Similarity)	+150 °C		500 Cycles	2	0/77
QJ1844 (Similarity)	air to air		500 Cycles	3	0/77
QJ1849			500 Cycles	3	0/77
QJ1851 (Similarity)			500 Cycles	4	0/77
Tomography (CSAM)		J-STD-035	Post Temp Cycle	1	0/11
QJ1842 (Similarity)			Post Temp Cycle	2	0/11
QJ1844 (Similarity)			Post Precon	3	0/22
QJ1845 (Similarity)			Post Precon	4	0/22
QJ1846			Post Precon	5	0/22
QJ1848			Post Precon	5	0/22
QJ1849			Post Temp Cycle	6	0/11
QJ1850 (Similarity)			Post Precon	7	0/22
QJ1851 (Similarity)			Post Temp Cycle	8	0/11

Background Information:

Part #: CS8900A Rev: H Fab: MagnaChip (F) Lead Finish: Pb-free
 Package: 100LQFP Assembly: STATChipPAC (China)

Prepared by: Rod Boutwell

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<u>Stress</u>	<u>Conditions</u>	<u>Method</u>	<u>Duration</u>	<u>Lot</u>	<u>Results</u> <u>(Fail/sample)</u>
Autoclave/PPOT	121 °C	JESD22-A102	96 Hours	1	0/77
QJ1844 (Similarity)	15 psig		96 Hours	2	0/77
QJ1847	100% R.H.		96 Hours	3	0/77
QJ1849			96 Hours	4	0/77
QJ1851 (Similarity)					
Solderability	93 °C steam aging	JESD22-B102	Solderability	1	0/15
QJ1842 (Similarity)	8 Hours		Solderability	2	0/15
QJ1849	245 °C solder bath		Solderability	3	0/15
QJ1851 (Similarity)	5 Seconds				
HTSL (High Temp Storage Life)	150 °C	JESD22-A103	500 Hours	1	0/77
QJ1842 (Similarity)			1000 Hours	1	0/77
QJ1849			500 Hours	2	0/77
QJ1851 (Similarity)			1000 Hours	2	0/77
			500 Hours	3	0/77
			1000 Hours	3	0/77

Background Information:

Part #: CS8900A **Rev:** H **Fab:** MagnaChip (F) **Lead Finish:** Pb-free
Package: 100LQFP **Assembly:** STATChipPAC (China)

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)***