

PCN Number: HC151401
Notification Date*: April 14, 2015

Title: Change of Assembly Location ATA664251									
Product Identification: ATA664251-WGQW									
Reason for Change:	☒ Material / Composition	☒ Manufacturing Location							
	☒ Processing / Manufacturing	☐ Quality / Reliability							
	☐ Design / Firmware	☐ Logistics							
	☒ Datasheet	☐ Other:							
Change Description: (1) In order to align its overall backend production strategy, ATMEL will introduce ASE Chung Li Taiwan as IC assembly subcontractors for automotive products. ASE Chungli Taiwan, has a long term experience as automotive assemblers, and is TS16949 certified and ATMEL qualified suppliers with existing business. The assembly of affected IC will be moved to ASE Chung Li Taiwan. Package comparison is available in the appendix. Marking will be changed from old ATMEL Logo to new ATMEL Logo (2) Change of Design Revision to improve System Level ESD Robustness (3) Datasheet change: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Test / Parameter / Feature</th> <th>Original value</th> <th>New value</th> </tr> </thead> <tbody> <tr> <td>VCC regulator under-voltage detection hysteresis, P. 17.11</td> <td>Parameter 17.11 LL=190 / T=300 / UL=400mV</td> <td>Parameter 17.11 LL=120 / T=160 / UL=300mV</td> </tr> </tbody> </table>				Test / Parameter / Feature	Original value	New value	VCC regulator under-voltage detection hysteresis, P. 17.11	Parameter 17.11 LL=190 / T=300 / UL=400mV	Parameter 17.11 LL=120 / T=160 / UL=300mV
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Identification Method to Distinguish Change: Devices can be tracked by lot number and date code which is part of the package marking. New ordering code has been created by adding a suffix or by changing to the new package code to manage backlog conversion. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Ordering code old</td> <td>Ordering code new</td> </tr> <tr> <td>ATA664251-WGQW</td> <td>ATA664251-WGQW-1</td> </tr> </table>				Ordering code old	Ordering code new	ATA664251-WGQW	ATA664251-WGQW-1		
Ordering code old	Ordering code new								
ATA664251-WGQW	ATA664251-WGQW-1								
Qualification Data:	☐ Available	☒ Will be available (mm/dd/yr): 04/24/2015	☐ Not Applicable						

Samples:	☒ Available	☐ Will be available (mm/dd/yr):	☐ Not Applicable
Quantifiable Impact on Quality & Reliability: System level ESD Robustness will be improved.			
Forecasted Availability Date: 30 days after PPAP availability Target Backlog Conversion Date: 90 days after PPAP availability <i>*All orders placed after the notification date are non-cancellable and non-returnable (NCNR).</i>			
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Appendix

ATA664251 package comparison

Bill of material

Item	UTAC	ASECL	Risk assessment
Mold compound	G770	G700	No risk, same family
Die attach	8600	EN4900	No risk, both are silver filled epoxies
Die thickness die 1 Die thickness die 2	0,250 mm 0,250 mm	0,178 mm 0,178 mm	No Risk, standard die thickness at ASECL
Lead frame material	EFTEC64T	C7025	No risk, both are copper based alloys
Lead frame treatment	None	Rough copper	Improvement of robustnes (no Delamination)
Lead frame plating	Ag	Ag (photo resist)	Improvement of robustnes (no Delamination)
Bond wire material	Au	AuPd1%	No Risk,
Bond wire diameter	20 microns	20 microns	No Risk, same diameter
Plating	Matte Sn	Matte Sn	Matte Sn

Main Outline dimensions

Item	UTAC	ASECL
Package option	Wettable flanks	Wettable flanks
Package Thickness	0,8mm – 0,9mm	0,8mm - 0.9mm
Lead geometrie	identical	
Lead frame thickness	identical	
Exposed die pad	identical	

CUSTOMER ACKNOWLEDGEMENT OF RECEIPT: Atmel requests you acknowledge receipt of this PCN / EOL. Please complete and email to pcnadm@atmel.com and the Atmel Contact listed above. In your acknowledgement, you can grant approval or request additional information. **Atmel will deem this change accepted unless specific conditions of acceptance are provided in writing within 30 days from the date of this notice.**

To be completed by customer:

☐ Approved

☐ Rejected (Please state reason for rejection):

Company:

Name:

Title:

Date:

Email

Address:

Location:

Comments: