PCN No	ımber:	2	017103	31001					PCN	Date:	Nov 09, 201	.7
Title:	Title: Qualification of AP3 as an additional Assembly & Test site for select devices											
Custon	ustomer Contact: PCN Manager Dept: Quality Services											
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None												
			aterial									
	Anticipated impact on Material Declaration No Impact to the Material Declaration Declarations or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained from the TI Eco-Info website. There is no impact to the material meeting current regulatory compliance requirements with this PCN change.					the						
Change	es to prod	uct iden	tificati	on res	sulti	ng from t	his PCN:					
Asse	mbly Site]		
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Product Affected:		
CSD16401Q5	CSD16401Q5T	CSD58869Q5D

Qualification ReportAmkor Q5 & Q3 Discrete Qualification Summary

CSD17312Q5 Qualification Test Summary					
Stress	Conditions	Test Duration	Sample Size	Results	
HTRB	150°C/80% Rated Vds	1K hrs	3 lots x 77 units	Pass	
HTGB	150°C/80% Rated Vgs	1K hrs	3 lots x 77 units	Pass	
THB	85°C/85%R.H./80% Rated Vds	1K hrs	3 lots x 77 units	Pass	
Autoclave	121°C/100% RH	96 hrs	3 lots x 77 units	Pass	
Intermittent Op Life	Delta Tj = 100°C 2 min on/2 min off	10K cycles	3 lots x 77 units	Pass	
Temp Cycle	-40°C to 125°C	1K cycles	3 lots x 77 units	Pass	

CSD16325Q5 Qualification Test Summary					
Stress	Conditions	Test Duration	Sample Size	Results	
Temp Cycle	-40°C to 125°C	1K cycles	1 lot x 77 units	Pass	

CSD17304Q3 Qualification Test Summary						
Stress	Conditions	Test Duration	Sample Size	Results		
Temp Cycle	-40°C to 125°C	1K cycles	1 lot x 77 units	Pass		

CSD16322Q5 Qualification Test Summary					
Stress	Conditions	Test Duration	Sample Size	Results	
Temp Cycle	-40°C to 125°C	1K cycles	1 lot x 77 units	Pass	

CSD17311Q5 Qualification Test Summary					
Stress	Conditions	Test Duration	Sample Size	Results	
Temp Cycle	-40°C to 125°C	1K cycles	1 lot x 77 units	Pass	

CSD16409Q3 Qualification Test Summary					
Stress	Conditions	Test Duration	Sample Size	Results	
Temp Cycle	-40°C to 125°C	1K cycles	1 lot x 77 units	Pass	

CSD17309Q3 Qualification Test Summary					
Stress	Conditions	Test Duration	Sample Size	Results	
Temp Cycle	-40°C to 125°C	1K cycles	1 lot x 77 units	Pass	

MSL1 preconditioning performed on devices prior to THB, Autoclave, & Temp Cycle stresses

- Bake: 24 hours @ 125°C
- Damp Heat: 168 hours @ 85°C/85% RH (Level 1)
- 3X reflow + flux + rinse, 260°C Pb free reflow temp

Note: The CSD16321Q5, CSD16407Q5, CSD16408Q5, CSD16411Q5, CSD16414Q5, CSD16401Q5, CSD16415Q5, CSD17303Q5, CSD17559Q5 and CSD18502Q5B are qualified by similarity to the tests performed in the table above on the CSD17312Q5 and subsequent larger die in TMCL.

For questions regarding this notice, e-mails can be sent to the regional contacts shown below or your local Field Sales Representative.

Location	E-Mail
USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
Japan	PCNJapanContact@list.ti.com