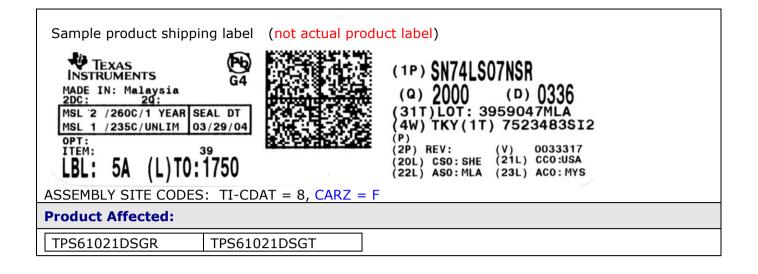
PCN Number:		20	20160603000 PCN Date: 06/07/2016				/2016			
Title:	Qualification Package Dev		arse	em Suzhou (C	CARZ) as A	dditional /	٩ss	embly and	Test Site fo	or Select
Customer Contact:		PCN	Mar	nager Dep			Services			
Proposed	1 st Ship Dat	e:	09/0	1//////	Estimated Availabilit	-	Date Provided at Sample request			le
Change Ty	ype:									
Assem	bly Site			Assembly Process				Assembly Materials		
Design				Electrical Sp				Mechanical Specification		tion
I Test S			\ge	Packing/Ship		eling	Ц.	Test Process		
	Bump Site			Wafer Bump				Wafer Bump Process		
	Fab Site			Wafer Fab M				Wafer Fab Process		
				Part number						
				PC	N Detai	IS				
	on of Change					: (' + '	6.0	Curl		
Additional	ruments Inco Assembly and sembly sites a	Tes	t Sit 4ate	te for select d rial difference	levices list es are as f	ed in the ' ollows.	"Pro	oduct Affect	ted" Sectio	
			Assembly Site		e Asse	Assembly Country			bly Site	
-	sembly Site		-	Origin Code			Cit			
	engdu (CDAT) Suzhou (CAR	7)		CDA CSZ					Chengdu Jiangsu	
	Differences:		Che	ngdu (CDAT)	Car	sem Suzho	ou (
Mount C	Compound			4207123			435143			
test MQ.	Test coverage, insertions, conditions will remain consistent with current testing and verified with test MQ.									
Reason for Change:										
Continuity										
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):										
None										
Anticipated impact on Material Declaration										
 No Impact to the Material Declaration Material Declaration Material Declaration Material Declaration Material Declaration Production data and will be available following the production release. Upon production release the revised reports can b obtained from the <u>TI ECO website</u>. 				ction						
Changes t	Changes to product identification resulting from this PCN:									
Assembl	ly Site									
TI Cheng				Assembly Site Origin (22L)			ASO: CDA			
Carsem Suzhou				Assembly Site Origin (22L) ASO: CSZ						



Qualification Report

TPS61021DSG in CARZ

Approve Date 31-May-2016

Product Attributes

Attributes	Qual Device: TPS61021DSG (CARZ)	QBS Product Reference: TPS61021DSG	QBS Product Reference: TPS61021DSG_A0	QBS Process Reference: TPS51217DSC	QBS Process Reference: TPS65265RHB	QBS Process and Package Reference: TPA3117D2RHBR
Assembly Site	CARSEM SUZHOU (CARZ)	CDAT	CDAT	CLARK-AT	CLARK-AT	CARSEM SUZHOU (CARZ)
Package Family	QFN/ SON	QFN/ SON	QFN/ SON	QFN/ SON	QFN/ SON	QFN/ SON
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	RFAB	RFAB	RFAB	RFAB	RFAB	RFAB
Wafer Process	LBC7	LBC7	LBC7	LBC7	LBC7	LBC7

- QBS: Qual By Similarity

- Qual Device TPS61021DSG (CARZ) is qualified at LEVEL2-260C

Qualification Results

Data Displayed as: Number of lots / Total sample size / Total failed

Туре	Test Name / Condition	Duration	Qual Device: TPS61021DSG (CARZ)	QBS Product Reference: TPS61021DSG	QBS Product Reference: TPS61021DSG_A0
ED	Electrical Characterization	Per Datasheet Parameters	Pass	Pass	-
HBM	ESD - HBM	4000 V	-	1/3/0	1/3/0
CDM	ESD - CDM	1500 V	-	1/3/0	1/3/0
LU	Latch-up	(per JESD78)	-	1/6/0	1/6/0
HTOL	Life Test, 125C	1000 Hours	-	-	-
HTOL	Life Test, 135C	635 Hours	-	-	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-	1/77/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	-

Туре	Test Name / Condition	Duration	Qual Device: TPS61021DSG (CARZ)	QBS Product Reference: TPS61021DSG	QBS Product Reference: TPS61021DSG_A0
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	3/231/0	-	-
AC	Autoclave 121C	96 Hours	-	-	-
PD	Physical Dimensions	(per mechanical drawing)	3/60/0	-	-
WBP	Bond Pull	Wires	3/228/0	-	1/76/0
WBS	Ball Bond Shear	Wires	3/228/0	-	1/76/0

Туре	Test Name / Condition	Duration	QBS Process Reference: TPS51217DSC	QBS Process Reference: TPS65265RHB	QBS Package Reference: TPA3117D2RHBR
ED	Electrical Characterization	Per Datasheet Parameters	Pass	Pass	Pass
HBM	ESD - HBM	4000 V	-	1/3/0	-
CDM	ESD - CDM	1500 V	3/9/0	1/3/0	-
LU	Latch-up	(per JESD78)	3/18/0	1/6/0	-
HTOL	Life Test, 125C	1000 Hours	-	3/231/0	-
HTOL	Life Test, 135C	635 Hours	3/231/0	-	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	2/231/0
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-	2/231/0
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	-	2/231/0
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	-	-	-
AC	Autoclave 121C	96 Hours	2/231/0	-	2/231/0
PD	Physical Dimensions	(per mechanical drawing)	-	-	-
WBP	Bond Pull	Wires	-	-	-
WBS	Ball Bond Shear	Wires	-	-	-

- Preconditioning was performed for Autoclave, Unbiased HAST, THB/Biased HAST, Temperature Cycle, Thermal Shock, and HTSL, as applicable

- The following are equivalent HTOL options based on an activation energy of 0.7eV : 125C/1k Hours, 140C/480 Hours, 150C/300 Hours, and 155C/240 Hours

- The following are equivalent HTSL options based on an activation energy of 0.7eV : 150C/1k Hours, and 170C/420 Hours

- The following are equivalent Temp Cycle options per JESD47 : -55C/125C/700 Cycles and -65C/150C/500 Cycles

Quality and Environmental data is available at TI's external Web site: http://www.ti.com/

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

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
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