PCN Number: 201			.90206001.1	P	CN Date:	Feb 11, 2019		
Title:								
Customer Contact:			PCN Manager		ept:	Quality Services		
			May 11, 2019	Estimate	ed Sample	Date provided at		
Proposed 1 st Ship Date:			May 11, 2015	Availabi	lity:	sample request.		
Change Ty								
Assembly Site			Assembly Pr			Assembly Materials		
Design			Electrical Sp			chanical Specification st Process		
Test Site			Wafer Bump	pping/Labeling		fer Bump Process		
Wafer Bump Site✓ Wafer Fab Site			Wafer Fab M			Wafer Fab Process		
Walci	Tub Si		Part number			Water rab rrocess		
			PCN					
Description	on of C	hange:	1 011	Details				
			to announce the q	ualification of its	RFAB fabrica	tion facility as an		
		•	or the selected dev			•		
	Cu	rrent Fab S	ite	A	dditional Fa	b Site		
Current	Fab	Process	Wafer	Additional	Process	Wafer		
Site			Diameter	Fab Site		Diameter		
MIHO	MIHO8 LBC7		200 mm	RFAB	LBC7	300 mm		
Qual detail	s are n	rovided in th	e Qual Data Section	on.				
Reason fo			e quai bata beeti					
Continuity	Continuity of Supply							
Anticipate	ed imp	act on Forn	n, Fit, Function, (Quality or Relia	bility (posit	ive / negative):		
None								
Changes t	to prod	luct identifi	cation resulting	from this PCN:				
Current								
Current:	hin Cita	Chin Cita	Oninin Codo (201)	Chin Cita Cau		(II) Chin Cita Cita		
<u> </u>		Origin Code (20L)	· ·					
MIHO	08		MH8	JPN		Ibaraki		
New Fab	Site:							
New Chi	ip Site	Chip Site	Origin Code (20L)	Chip Site Cou	intry Code (2)	1L) Chip Site City		
RFA	B		RFB	ι	JSA	Richardson		
Sample product shipping label (not actual product label)								
TEXAS INSTRUMENTS G4 ID 11 (1P) SN74LS07NSR (Q) 2000 (D) 0336								
MSL 2 /260C/1 YEAR SEAL DT KALLE W. (31T)LOT: 3959047MLA MSL 1 /235C/UNLIM 03/29/04 MSL 2 W. (4W) TKY(1T) 7523483SI2								
OPT: (P) (P) (2P) REV: (V) 0033317								
LBL: 5A (L) TO: 1750 (20L) CSO: SHE (21L) CCO: USA (22L) ASO: MLA (23L) ACO: MYS								
Product Affected:								
DRV8846R	.GER	DRV	8846RGET					

Qualification Report

Approve Date 29-Jan-2019

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

Туре	Test Name / Condition	Duration	Qual Device: DRV8846RGER	QBS Product Reference: <u>DRV8846RGER</u>	QBS Product Reference: DRV8848PWP	QBS Process Reference: TPS51217DSC	QBS Package Reference: TPS2231RGPR CU WIRE	QBS Package Reference: <u>TPS62402DRCR_CU_W</u> <u>IRE</u>
AC	Autoclave 121C	240 Hours	-	-	-	6/462/0	3/231/0	1/77/0
AC	Autoclave 121C	96 Hours	-	-	-	6/462/0	3/231/0	1/77/0
CDM	ESD - CDM	1000 V	-	-	-	3/9/0	-	-
CDM	ESD - CDM	1500 V	-	1/3/0	1/3/0	3/9/0	-	-
CDM	ESD - CDM	250 V	-	1/3/0	-	3/9/0	-	-
DS	Die Shear	-	-	-	-	-	3/30/0	1/10/0
ED	Electrical Characterization	Per Datasheet Parameters	1/Pass	1/30/0	1/30/0	3/60/0	-	-
HAST	Biased HAST 130C/85%RH	96 Hours	-	-	-	3/231/0	-	-
HBM	ESD - HBM	1000 V	-	1/3/0	-	3/9/0	-	-
HBM	ESD - HBM	1500 V	-	1/3/0	-	2/6/0	-	-
HBM	ESD - HBM	2000 V	-	1/3/0	-	3/9/0	-	-
HBM	ESD - HBM	4000 V	-	1/3/0	-	-	-	-
HBM	ESD - HBM	500 V	-	1/3/0	-	3/9/0	-	-
HTOL	Life Test, 135C	635 Hours	-	-	-	3/231/0	-	-
HTOL	Life Test, 155C	240 Hours	-	-	-	-	3/231/0	-
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	-	3/231/0	3/231/0	1/77/0
LU	Latch-up	(per JESD78)	-	1/6/0	-	3/18/0	-	-
MISC	Salt Atmosphere	24 Hours	-	-	-	-	3/66/0	1/22/0
PD	Physical Dimensions	-	-	-	-	-	3/15/0	1/5/0
SD	Solderability	8 Hours Steam Age	-	-	-	-	3/66/0	-
TC	Temperature Cycle -65/150C	1000 Cycles	-	1/77/0	-	3/231/0	3/231/0	1/77/0
TC	Temperature Cycle -65/150C	500 Cycles	-	1/77/0	1/77/0	3/231/0	3/261/0	1/87/0
TC- SAM	Post Temp Cycle SAM	CSAM and TSAM analysis after 1000 cycles Temp cycle	-	-	-	3/36/0	-	-
WBP	Bond Pull	Wires	-	-	-	-	3/228/0	1/76/0
WBS	Bond Shear	Wires	-	-	-	-	3/228/0	1/76/0
XRAY	X-ray	(top side only)	-	-	-	3/15/0	3/15/0	1/5/0

⁻ QBS: Qual By Similarity

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 you can contact 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

⁻ Qual Device DRV8846RGER is qualified at LEVEL3-260C

⁻ 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