Customer Cor	alification of [10407002.1			PCN Date:			Apr 8, 2021	
Proposed 1 st	anneation of L	DMOS6 as	additional	Fab S	te optior	for	sel	ect LBC	9 devices	
Proposed 1 st										
Change Type:	Proposed 1 st Ship Date:		Jul 8, 2021			Estimated Sample Availability:			Date provided at sample request.	
snange rype					Availab	mity			sample request.	
Assembly Site			Assembly P	rocess				Assemt	ly Materials	
Design		Assembly Process Electrical Specification				Assembly Materials				
Test Site			Packing/Shipping/Labelin							
Wafer Bu	mp Site		Wafer Bum						r Bump Process	
Wafer Fal			Wafer Fab Materials Wafer Fab Proce							
			Part numbe	er chan	ge					
			Notificat	ion D	etails					
Description o										
exas Instrume dditional Wafe									ation facility as ar cted" section.	
	Current Fab	Site				Addi [*]	tio	nal Fal	o Site	
Current Fab Site	Process	-	Wafer ameter		litional b Site	Process		ocess	Wafer Diameter	
RFAB	LBC9		00 mm		4056		l	BC9	300 mm	
Qual details are	e provided in t	the Qual	Data Sectio	on.						
Reason for Cl	lange:									
Continuity of s	upply.									
Anticipated in	npact on Fit,	, Form, F	unction, C	Quality	or Relia	abilit	ty	(positi	ve / negative):	
None.										
Changes to p	oduct identi	ification	resulting	from t	hic PCN					
changes to p	ouuce lucitie	incation	resulting			•				
Current										
Chip Site	Chip Site	origin (2	20L) Chir	Site C	ountry C	ode	(21	L)	Chip Site City	
RFAB	-	RFB		, , ,				Richardson		
RFAD		KFD	USA					RICIIdI USUII		
New Fab Site	1									
	Chip Site	e Origin (2	20L) Chip	Site C	Country Code (21L)			.L)	Chip Site City	
Chip Site		DM6			USA					
Chip Site DMOS6		DMO			UUA				Dallas	

Product Affected:						
DRV2634YFPR	PTAS2562YFPT	TAS2558YFPR	TAS2562HYFPT			
DRV2634YFPT	TAS2558HYFPR	TAS2558YFPT	TAS2562YFPR			
PTAS2562YFPR	TAS2558HYFPT	TAS2562HYFPR	TAS2562YFPT			

Qualification Report

Approve Date 30-Mar-2021

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

	Data Displayed as. Number of 1013 / Total sample size / Total laned					
Туре	Test Name / Condition	Duration	Qual Device: <u>TA S2562HYFP</u>	Qual Device: <u>TAS2562YFP</u>	QBS Product / Package Reference: <u>TAS2562HYFP</u>	QBS Process Reference: <u>BQ25910YFFR</u>
PREC	Precon Level 1 - DSBGA	Level 1- 260C	-	-	3/1150/0	-
ED	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	3/90/0	1/30/0
HAST	Biased HAST, 130C/85%RH	96 Hours	-	-	3/231/0	3/231/0
UHAST	Unbiased HAST 130C/85%RH	96 Hours	-	-	3/231/0	3/231/0
тс	Temperature Cycle, -55/125C	700 Cycles	-	-	3/231/0	3/231/0
HTSL	High Temp Storage Bake 170C	420 Hours	-	-	3/231/3 (1)	3/231/0
HTOL	Life Test, 140C	480 Hours	-	-	3/231/0	3/231/0
HTOL	Life Test, 150C	300 Hours	-	1/77/0	-	-
ELFR	Early Life Failure Rate, 140C	24 Hours	-	-	-	3/2400/0
нвм	ESD - HBM	2000 V	-	-	3/9/0	-
нвм	ESD - HBM	3000 V	-	1/3/0	-	-
CDM	ESD - CDM	1000 V	-	-	3/9/0	-
CDM	ESD - CDM	1500 V	-	1/3/0	-	-
LU	Latch-up	Per JESD78	-	1/6/0	3/18/0	-
SBS	Bump Shear	Balls	-	-	3/108/0	-
WLR	Wafer level Reliability	Per Site Specification	-	-	-	Pass
YLD	Yield Evaluation	(per mfg. Site specification)	Pass	Pass	Pass	-

- QBS: Qual By Similarity

- Qual Device TAS2562YFP is qualified at LEVEL1-260C

- Qual Device TAS2562HYFP is qualified at LEVEL1-260C

- 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

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

Note (1): Two continuity short and one leakage fail due to test program problem. Program corrected. 8D attached to eQDB

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

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