PCN Number:		20190517000.1						PCN Date:			May 20, 2019		
Title: Qualify New A			Asse	Assembly Material set for Selected Device(s)									
Cus	tom	er Contact:	PCN	Manager					Dep	t:		Quality Services	
Pro	nose	od 1 st Shin Da	nter	Aug 20	0 21	019		Estima			nple	Date provided at	
Proposed 1 st Ship Date				Aug 20	0, 2	015		Availability:				sample request	
Cha		Type:				Decise					Mafau D	unan Cita	
┝┝┤	Assembly Site Assembly Process		Design				haat				ump Site ump Material		
											ump Process		
\square	Mechanical Specification			on	Part number change Test Site				Wafer Fab Site				
	Packing/Shipping/La						est Process					ab Materials	
; =											Wafer F	ab Process	
						PCN	Det	ails					
Des	crip	tion of Chang	je:										
devi	ices l	isted in "Produ e part changes	uct a	ffected" follows:	sec	tion belo	ow. Do	evices w	vill re			material set for ent assembly facili	ty
1		Material		C	urre	ent		Propos	ed				
	Μ	lold compound		312		02-0		112501	1-0				
Rea		for Change:		312)02-0			1-0				
Con	ison tinuit	for Change: ty of supply.			2520		3	112501					
Con Molo	tinuit	for Change: ty of supply. npound suppli	er (S	hinetsu	2520) de	cided to	end o	112501 f life pa	t no			0 mold compound	_
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Qualification Report

Approve Date 14-May-2019

Qualification Results

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

Туре	Test Name / Condition	Duration	Qual Device: <u>LM3S1XXX-IBZ50-A2T</u> (SINGLE DIE)	Qual Device: <u>LMS6XXX-IBZ50-A2</u> (STACKED DIE)
PC	Preconditioning	MSL3/260C	1/77/0	1/154/0
тс	Temperature cycling - 55C/125C	700 cycles	1/66/0	1/71/0
UHAST	Unbiased HAST	110C/85%RH/17.7 psis (264 Hours)	-	1/72/0
MQ	Manufacturability (Assembly)	(per mfg. Site specification)	Pass	Pass

- Device LMS6XXX-IBZ50-A2 (STACKED DIE) contains multiple dies.

- Preconditioning was performed for Unbiased HAST, Temperature Cycle

- 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

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