PCN Nun	201906	20190628000.1						PCN D	ate:	July	8, 2019	
Title:	Qualifica	ation of T	I Clark	as an	Assem	nbly site	for Select	t Dev	ices			
Custome	r Conta	ct: PCI	N Manage	r I	Dept:		Quality Se	ervice	es			
				Estimated 9						ded at		
Proposed 1st Ship Date: Sept 3				28 2019			Availabilit					
Change 7	Гуре:											
Assembly Site					Design Wafer Bump Site							
Assembly Process				Data Sheet			Wafer Bump Material					
Assembly Materials									er Bump Process			
Mechanical Specification							•	er Fab Site				
Packing/Shipping/Labeling				Test Pi	Process				Nafer Fab Materials			
									Wafe	er Fab Process		
PCN Details												
Descript												
												Assembly
site for th	e list of	devices	shown b	elow.	Curre	ent assei	mbly sites	and	Materia	ıl diffe	erence	s are as
follows:												
						UTAC	}		TI C	lark		
	Mount Compound (Botto			om)					4207123			
Mount Compound (Top)				SID#PZ0076				4221460				
			iu (Top)	'					NiPdAu			
	Lead Finish				NiPdAuAg			MIPO	NIFUAU			
Reason f	or Char	ige:										
Continuity												
·		<u> </u>		. F		0	n, an Dali	- b:I:	h. (no.	illing	1	ativa).
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):								ative):				
None	tod iman	act on N	latavial	Dool								
Anticipat							or Produ	ct Co	ntont ro	norto	aro di	rivon
	No Impact to the Material Declarations or Product Content reports are driven Material Declaration from production data and will be available following the											
Mate	Material Declaration from production data and will be available following the production release. Upon production release the revised											
												Ju
			reports can be obtained at the site link below http://www.ti.com/quality/docs/materialcontentsearch.tsp									
Changes	to prod	luct ide	ntificati	on re	sultin	ng from	this PCN	l:				
Assembly Site						City						
UTAC			NSE			THA				Bangkok		
									Angeles City,			
TI Clark Q		QAB	AB		PHL			Pampanga				
		1										<u>- 3</u>
Sample p	roduct s	hipping I	abel (n	ot act	tual pr	oduct la	bel)					

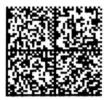


MADE IN: Malaysia 2DC: 20:

MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04

OPT: ITEM:

(L)T0:3750



(1P) SN74LS07NSR (a) 2000 (D) 0336 (31T)LOT: 3959047MLA 4W) TKY(1T) 7523483S12

(P) (2P) REV: (20L) CSO: SHE (21L) CCO:USA (22L) ASO: MLA (23L) ACO: MVC

(23L) ACO: MYS

Product Affected:

CC3220SF12ARGKR CC3220SF12ARGKT CC3235SF12RGKR



TI Information Selective Disclosure

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

Туре	Test Name / Condition	Duration	Qual Device: CC3220SF12RGK	QBS Product Reference: CC3XXX	QBS Package Reference: 430FR5969IRGZR
ED	Electrical Characterization	Per Datasheet Parameters	Pass	Pass	-
HBM	ESD HBM	2000 V	-	1/3/0	-
CDM	ESD CDM	500V	-	1/3/0	-
EDR+ HTOL	Life Test, 125C – 100K W/E Endurance cycles followed by 1000 hours HTOL	1000 Hours	-	2/148/0	-
EDR+ HTSL	High Temp. Storage Bake, 150C- 100K W/E Endurance cycles followed by 1000 hours HTSL	1000 Hours	-	3/230/0	-
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	-	3/229/0
LU	Latchup	(per JESD78)	-	1/6/0	-
MQ	TEST MQ	-	Pass	Pass	Pass
TC	Temperature Cycle, -55/125C	700 Cycles	3/231/0	3/231/0	-
TC	Temperature Cycle, -65/150C	500 Cycles	-	-	3/231/0
THB	Biased Temperature & Humidity, 85C/85%RH	1000 Hours	3/77/0	3/77/0	-
BHAST	Biased HAST, 130C/85%RH	96 Hours	-	-	3/231/0
UHAST	Unbiased HAST, 110C/85%RH	264 Hours	3/230/0	3/231/0	-
AC	Autoclave 121C	96 Hours	-	-	3/231/0

- QBS: Qual By Similarity
- Qual Device CC3220SF12RGK is qualified at LEVEL3-260CG
- Device CC3220SF12RGK contains multiple dies.
- 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 contacts shown below or your local Field Sales Representative.

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USA	PCNAmericasContact@list.ti.com
Europe	PCNEuropeContact@list.ti.com
Asia Pacific	PCNAsiaContact@list.ti.com
WW PCN Team	PCN www admin_team@list.ti.com