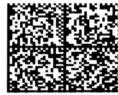
						-				1
PCN Number: 201			180502000				PCN Date:			May 3 2018
Title:	Qualification of additional Assembly/Test site (ASEN) option for the INA210BIRSWR						ne INA210BIRSWR			
Customer	ustomer Contact:			N Manager	•		Dep	ot:		Quality Services
Proposed 1 st Ship Date:		Aug 3 2018			Estimated Sample Availability:			nple	Date provided at sample request.	
Change T	уре:									
Assen	nbly Site		☐ Assembly Process ☐ Assembly Materials					mbly Materials		
Desig	n		Electrical Specification			ation	Mechanical Specification			
☐ Test S	Site		Packing/Shipping/L			Labeling T		Test	Test Process	
Wafer	· Bump Site		Wafer Bump Material			rial	Wafer Bump Process			r Bump Process
Wafer	Fab Site		Wafer Fab Materials			ıls			Wafer Fab Process	
			Part number change							
				PC	N Deta	ils				
Description	on of Change	•								
Texas Instruments is pleased to announce the qualification of an additional assembly/test (ASEN) site for the INA210BIRSWR. Construction differences are noted below:										
I				UTA	С	ASEN			SEN	
1	Mold compo	und		SID#CZ	0135	9	SID#	#18	01512	111
test MQ.	or Change:	s, cond	סוזונ	ons will rem	iain consis	stent wit	n cu	rren	t testir	ng and verified with
Continuity	of Supply									
Anticipate	ed impact on	Form	, Fi	t, Functio	n, Qualit	y or Rel	iabil	lity	(posit	ive / negative):
None										
Anticipate	ed impact on	Mate	rial	Declarati	on					
No Impact to the Material Declaration		Material Declarations or Product Content reports are driven from production data and will be available following the production release. Upon production release the revised reports can be obtained from the <u>TI ECO website</u> .								
Changes t	to product ide	entifi	cati	ion resulti	ng from	this PCI	N:			
	Site Informa				Ι					
Assemb	Assembly Site O		Origin (22L) Assembly Count			* * * * * * * * * * * * * * * * * * * *			Assembly City	
	UTAC		NS2	<u> </u>		THA				Bangkok
ASI	ASEN			1	CHN					Suzhou
Sample product shipping label (not actual product label) Texas INSTRUMENTS MADE IN: Malaysia (1P) SN74LS07NSR (Q) 2000 (D) 0336										

2DC: 2Q: MSL 2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04 OPT: ITEM: LBL:

(L)T0:3750



(Q) 2000 (D) 0336 (31T)LOT: 3959047MLA (4W) TKY(1T) 7523483S12 (P) (2P) REV: (V) 0033317 (20L) CSO: SHE (21L) CCO:USA (22L) ASO:MLA (23L) ACO: MYS

Product Affected:



Qualification Report

INA210BIRSW - Cat2CF (AIZU/ASEN) Approve Date 10-Apr-2018

Product Attributes

Attributes	Qual Device: <u>I</u> NA210BIRSW	QBS Process Reference: INA215AQDCKRQ1
Assembly Site	ASEN	NFME
Package Family	UQFN	SOT
Flammability Rating	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	AIZU	AIZU
Wafer Process	50HPA07	50HPA07

⁻ QBS: Qual By Similarity

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

Туре	Test Name / Condition	Duration	Qual Device: INA210BIRSW	QBS Process Reference: INA215AQDCKRQ1
HTOL	Life Test, 125C	1000 Hours	1/77/0	3/231/0
ELFR	Early Life Failure Rate, 125C	48 Hours	-	3/2400/0
HAST	Biased HAST, 130C/85%RH	96 Hours	3/231/0	-
UHAST	Unbiased HAST 130C/85%RH	96 Hours	3/231/0	-
TC	Temperature Cycle, -65/150C	500 Cycles	3/231/0	-
HTSL	High Temp Storage Bake 170C	420 Hours	1/50/0	-
HBM	ESD - HBM	4000 V	2/6/0	-
CDM	ESD - CDM	1500 V	2/6/0	-
LU	Latch-up	(per JESD78)	2/12/0	-
ED	Electrical Characterization	Per Datasheet Parameters	1/30/0	-
PD	Physical Dimensions	-	3/30/0	-
SD	Solderability	Pb Free	3/30/0	-
WBP	Bond Pull	Wires	3/90/0	-
WBS	Ball Bond Shear	Wires	3/90/0	-

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

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

THIS INFORMATION RELATING TO QUALITY AND RELIABILITY IS PROVIDED "AS IS." Product information detailed in this report may not accurately reflect TI's current product materials, processes and testing used in the construction of the TI products. Customers are solely responsible to conduct sufficient engineering and additional qualification testing to determine whether a device is suitable for use in their applications. Using TI products outside limits stated in TI's datasheet may void TI's warranty. See TI's Terms of Sale at "http://www.ti.com/lsds/ti/legal/termsofsale.page"

⁻ Qual Device INA210BIRSW is qualified at LEVEL1-260C

⁻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 HTSL options based on an activation energy of 0.7eV: 150C/1k Hours, and 170C/420
 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 Tl's external Web site: http://www.ti.com/

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.

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