PCN Number:	N Number: 20230406001.2 PCN Date: April 06, 2023								
Title: Qualification of RFAB as an additional Fab site option for select HPA07 devices									
Customer Conta	ct: [PCN Manager		Dept:					
Proposed 1 st Shi	p Date:	Oct 6, 2023	-	e Reque		May 6, 2023*			
•	•			ed until		, 0, 2020			
*Sample reques Change Type:	ts received a	<u>πer May 6, 2</u>	023 WIII not be	suppor	iea.				
Assembly Site	e [Assembly	Process		Assembly	Materials			
Design		/	Specification		Mechanical Specification				
Test Site	[Packing/Shipping/Labeling			Test Process				
Wafer Bump		Wafer Bump Material			Wafer Bump Process				
Wafer Fab Sit	te	Wafer Fab Materials			Wafer Fab Process				
			ber change						
Description of C	hangai	PC	N Details						
Description of C Texas Instruments		announce th	e addition of REA	Bacana	ditional	Wafor Fab sito			
option for the proc									
Cu	rrent Fab Sit	e		New Fab Site					
Current Fab Site	Process	Wafer Diameter	New Fab Site	Pro	ocess	Wafer Diameter			
DP1DM5	HPA07	200mm	RFAB	H	PA07	300mm			
Qual details are p	rovided in the	Qual Data Sec	ction.						
Reason for Chan	Reason for Change:								
Continuity of supp	oly								
Anticipated impa	act on Form,	Fit, Function	, Quality or Rel	iability (positive	/ negative):			
None									
Changes to prod	uct identifica	ation resultir	ng from this PCI	N:					
Fab Site Inform	ation:								
Chip Site Chip Site		Origin Code 0L)	Chip Site Co Code (21		Ch	nip Site City			
DP1DM5									
RFAB RFB USA Richardson									
Sample product sl	hipping label (100000000000	-						
INSTRUMENTS G4 MADE IN: Malaysia G4 2DC: 20: MSL '2 /260C/1 YEAR SEAL DT G4 MSL 1 /235C/UNLIM 03/29/04 OPT: 39 (Q) 2000 (D) 0336 (P) (P) (2P) REV: (V) 0033317									
LBL: 5A (L)T	0:1750		(20L) <u>CSO: SHE</u> (21 (22L) ASO: MLA (23)	L) CCO:USA L) ACO:MYS					
Product Affected	1:								
				B311IDCKR DAC8411IDCKR					
DAC5311IDCKR	DAC63	11IDCKT	DAC8311IDCK	R	DAC8411	IDCKR			
DAC5311IDCKR DAC5311IDCKT		11IDCKT 11IDCKR	DAC8311IDCK DAC8311IDCK		DAC8411				

Qualification Report Approve Date 24-MARCH -2023

Qualification Results

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

Туре	#	Test Name	Condition	Duration	Qual Device: DAC7311IDCKT	QBS Process Reference: <u>CD3232A1YFFR</u>	QBS Process Reference: <u>CD3232A1YFFR</u>	QBS Process Reference: INA231AIYFDR	QBS Process Reference: INA231BIYFDR	QBS Process Reference: <u>DRV401AIRGWR</u>
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-	3/231/0	3/231/0	-	-	-
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	-	3/231/0	3/231/0	-	-	-
тс	A4	Temperature Cycle	-55C/125C	700 Cycles	-	3/231/0	3/231/0	-		-
HTSL	A6	High Temperature Storage Life	170C	420 Hours	-	3/231/0	3/231/0	1/77/0	2/154/0	-
HTOL	81	Life Test	140C	480 Hours	-	1/77/0	2/154/0	-	-	-
HTOL	B1	Life Test	150C	300 Hours	-	-	-	1/77/0	2/154/0	2/154/0
ELFR	B 2	Early Life Failure Rate	125C	48 Hours	-	1/1000/0	2/2000/0	1/1000/0	2/2000/0	
ESD	E2	ESD CDM	-	250 Volts	1/3/0	-	-	1/3/0	2/6/0	2/6/0
ESD	E2	ESD HBM	-	1000 Volts	1/3/0	3/9/0	3/9/0	1/3/0	2/6/0	2/6/0
LU	E4	Latch-Up	Per JESD78	-	1/3/0	3/9/0	3/9/0	1/6/0	2/12/0	2/6/0 ^{2,3}
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	1/30/0	1/30/0	1/30/0	2/60/0	1/30/0
FTY	E6	Final Test Yield	-	-	1/Pass	-	-	-	-	-

QBS: Qual By Similarity

Qual Device DAC7311IDCKT is qualified at MSL1 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

Waiver from CF
Passes room and hot.
Passes room and hot.

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

Location	E-Mail
WW Change Management Team	PCN ww admin team@list.ti.com

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