




PCN Number:	20231114001.1		PCN Date:	November 14, 2023
Title:	Qualification of CDAT as an additional Assembly site for select devices			
Customer Contact:	Change Management Team	Dept:	Quality Services	
Proposed 1st Ship Date:	Feb 12, 2024		Sample requests accepted until:	Dec 14, 2023
*Sample requests received after Dec 14, 2023 will not be supported.				
Change Type:				
<input checked="" type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>
<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>
PCN Details				
Description of Change:				
Texas Instruments Incorporated is announcing the qualification of CDAT as an additional Assembly site for the devices listed below. Construction differences are as follows:				
		TI Clark	CDAT	
Mold Compound		4208625	4222198	
Reason for Change:				
Supply continuity				
Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):				
None				
Impact on Environmental Ratings				
Checked boxes indicate the status of environmental ratings following implementation of this change. If below boxes are checked, there are no changes to the associated environmental ratings.				
RoHS	REACH	Green Status	IEC 62474	
<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	
Changes to product identification resulting from this PCN:				
Assembly Site	Assembly Site Origin (22L)	Assembly Country Code (23L)	Assembly City	
TI Clark	QAB	PHL	Angeles City, Pampanga	
CDAT	CDA	CHN	Chengdu	
Sample product shipping label (not actual product label)				
   <div style="display: flex; justify-content: space-between;"> <div> <p>MADE IN: Malaysia 2DC: 20:</p> <p>MSL '2 /260C/1 YEAR SEAL DT MSL 1 /235C/UNLIM 03/29/04</p> <p>OPT: ITEM: 39</p> <p>LBL: 5A (L)T0:1750</p> </div> <div> <p>(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CCO: USA (22L) AS0: MLA (23L) ACO: MYS</p> </div> </div>				

Product Affected:				
DP83822HFRHBR	DP83822HRHBR	DP83822IFRHBR	DP83822IRHBR	
DP83822HFRHBT	DP83822HRHBT	DP83822IFRHBT	DP83822IRHBT	

TI Information
Selective Disclosure

Qualification Report

Qualify DP83822x family full turnkey at CDAT (Asy and test)
Approve Date 21-SEPTEMBER-2023

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: DP83822HFRHBT	QBS Reference: DP83826ERHBR	QBS Reference: DP83826ERHBR	QBS Reference: DP83822RHBT
UHASt	A3	Unbiased HAST	130C/85%RH	96 Hours	0/0/0	0/0/0	0/0/0	1/77/0
HTSL	A6	High Temperature Storage Life	150C	1000 Hours	-	-	-	1/77/0
HTOL	B1	Life Test	125C	1000 Hours	-	1/77/0	1/77/0	1/77/0
ESD	E2	ESD CDM	-	250 Volts	1/3/0	-	-	1/3/0
ESD	E2	ESD CDM	-	500 Volts	1/3/0	-	-	-
ESD	E2	ESD HBM	-	1000 Volts	1/3/0	-	-	1/3/0
ESD	E2	ESD HBM	-	2000 Volts	1/3/0	-	-	-
LU	E4	Latch-Up	Per JESD78	-	-	1/6/0	-	1/3/0
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	-	-	1/30/0

- QBS: Qual By Similarity
- Qual Device DP83822HFRHBT is qualified at MSL2 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/>

TI Qualification ID: R-CHG-2201-055

For questions regarding this notice, e-mails can be sent to Change Management team or your local Field Sales Representative.

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