



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20240227007.1
Qualification of TI Clark as an additional Assembly site
for select devices
Change Notification / Sample Request

Date: February 27, 2024
To: MOUSER PCN

Dear Customer:

This is an announcement of a change to a device that is currently offered by Texas Instruments. The details of this change are on the following pages.

Texas Instruments requires acknowledgement of receipt of this notification within **30** days of the date of this notice. Lack of acknowledgement of this notice within 30 days constitutes acceptance and approval of this change. If samples or additional data are required, requests must be received within **30 days** of this notification.

The changes discussed within this PCN will not take effect any earlier than the proposed first ship date on Page 3 of this notification, unless customer agreement has been reached on an earlier implementation of the change.

This notice does not change the end-of-life status of any product. Should product affected be on a previously issued product withdrawal/discontinuance notice, this notification does not extend the life of that product or change the life time buy offering/discontinuance plan.

For questions regarding this notice or to provide acknowledgement of this PCN, you may contact your local Field Sales Representative or the change management team.

For sample requests or sample related questions, contact your local Field Sales Representative.

Sincerely,

Change Management Team
SC Business Services

20240227007.1

Attachment: 1

Products Affected:

The devices listed on this page are a subset of the complete list of affected devices. According to our records, you have recently purchased these devices. The corresponding customer part number is also listed, if available.

DEVICE	CUSTOMER PART NUMBER
TPS543A26RYSR	NULL
TPS543B22RYSR	NULL

Technical details of this Product Change follow on the next page(s).

PCN Number:	20240227007.1			PCN Date:	February 27, 2024
Title:	Qualification of TI Clark as an additional Assembly site for select devices				
Customer Contact:	Change Management team		Dept:	Quality Services	
Proposed 1st Ship Date:	May 27, 2024		Sample requests accepted until:	March 28, 2024*	
*Sample requests received after March 28, 2024 will not be supported.					
Change Type:					
<input checked="" type="checkbox"/> Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Material	
<input type="checkbox"/> Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Process	
<input checked="" type="checkbox"/> Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Fab Site	
<input type="checkbox"/> Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Material	
<input checked="" type="checkbox"/> Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Process	
PCN Details					
Description of Change:					
Texas Instruments is pleased to announce the qualification of TI Clark as an additional Assembly site for select devices. Assembly differences are as follows:					
Assembly Site	Assembly Site Origin	Assembly Country Code	Assembly City		
Carsem Suzhou	CSZ	CHN	Jiangsu		
TI Clark	QAB	PHL	Angeles City		
Material differences:					
		Carsem Suzhou	TI Clark		
Mold Compound		444718	4223495		
Reason for Change:					
Continuity of Supply					
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:					
Sample Product Shipping Label (not actual product label)					
Assembly Site					
Carsem Suzhou	Assembly Site Origin (22L)		ASO: CSZ		
TI Clark	Assembly Site Origin (22L)		ASO: QAB		

 TEXAS INSTRUMENTS MADE IN: Malaysia 2DC: 2d MSL 2 / 260C/1 YEAR MSL 1 / 235C/UNLIM		 G4		(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		
OPT: ITEM: LBL: 5A (L)T0:1750						
Product Affected: <table border="1"> <tr> <td>TPS543A26RYSR</td> <td>TPS543B22RYSR</td> </tr> </table>					TPS543A26RYSR	TPS543B22RYSR
TPS543A26RYSR	TPS543B22RYSR					

Qualification Report

Approve Date 02-May-2023

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: TPS543B25RYSR	Qual Device: TPS543A22RYSR (1)	Qual Device: TPS543B22RYSR (1)	Qual Device: TPS543A26RYSR (1)	Product, Process QBS Reference: TPS543B22RYSR	QBS Process Reference: TPS54JB00RWWR	Package QBS Reference: TPS259840RZJR
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	-	-
TC	A4	Temperature Cycle	-55C/125C	700 Cycles	2/154/0	-	-	-	3/231/0	-	-
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	1/77/0	-	-	-	-	-	-
HTSL	A6	High Temperature Storage Life	150C	1000 Hours	-	-	-	-	-	3/231/0	3/231/0
HTSL	A6	High Temperature Storage Life	170C	420 Hours	-	-	-	-	1/77/0	-	-
HTOL	B1	Life Test	125C	1000 Hours	-	-	-	-	-	-	-
HTOL	B1	Life Test	140C	480 Hours	-	-	-	-	1/77/0	-	-
HTOL	B1	Life Test	150C	300 Hours	-	-	-	-	-	3/231/0	-
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes); PB-Free Solder;	-	-	-	-	-	1/22/0	-	-
ESD	E2	ESD CDM	-	1500 Volts	-	-	-	-	1/3/0	-	-
ESD	E2	ESD HBM	-	4000 Volts	-	-	-	-	1/3/0	-	-
LU	E4	Latch-Up	Per JESD78	-	-	-	-	-	1/3/0	-	-
CHAR	E5	Electrical Characterization	Min, Typ, Max Temp	-	1/30/0	1/10/0	1/10/0	1/10/0	1/30/0	-	-

QBS: Qual By Similarity

Qual Device TPS543B25RYSR, TPS543A22RYSR, TPS543B22RYSR, and TPS543A26RYSR are 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/>

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

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

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