



**12500 TI Boulevard, MS 8640, Dallas, Texas 75243**

**PCN# 20240531002.1**

**Qualify UTAC as an additional Assembly site for select devices  
Change Notification / Sample Request**

**Date:** June 04, 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

**20240531002.1**  
**Change Notification / Sample Request**  
**Attachments**



**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
TPS546A24ARVFR	NULL
TPS546A24SRVFR	NULL
TPS546B24ARVFR	NULL
TPS546B24SRVFR	NULL
TPS546D24ARVFR	NULL
TPS546D24RVFR	NULL
TPS546D24RVFT	NULL
TPS546D24SRVFR	NULL

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

<b>PCN Number:</b>	20240531002.1			<b>PCN Date:</b>	June 04, 2024
<b>Title:</b>	Qualify UTAC as an additional Assembly site for select devices				
<b>Customer Contact:</b>	Change Management team		<b>Dept:</b>	Quality Services	
<b>Proposed 1<sup>st</sup> Ship Date:</b>	September 02, 2024		<b>Sample requests accepted until:</b>	July 04, 2024	
<b>*Sample requests received after July 04, 2024 will not be supported.</b>					
<b>Change Type:</b>					
<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 type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Process
<b>PCN Details</b>					
<b>Description of Change:</b>					
Texas Instruments is pleased to announce the qualification of UTAC as an additional Assembly site for the list of devices shown below. Material differences as follows between sites.					
<b>Assembly Site</b>		<b>Assembly Site Origin</b>	<b>Assembly Country Code</b>	<b>Assembly City</b>	
TI Clark Philippines		QAB	PHL	Angeles City, Pampanga	
UTAC Thai Limited		NSE	THA	Bangkok	
<b>Material Differences:</b>					
	<b>TI CLARK</b>	<b>UTAC</b>			
Mount compound (Controller die)	4207123	PZ0138			
Mold compound	4222198	CZ0421			
<b>Reason for Change:</b>					
Continuity of Supply					
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>					
None					
<b>Impact on Environmental Ratings:</b>					
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.					
<b>RoHS</b>	<b>REACH</b>	<b>Green Status</b>	<b>IEC 62474</b>		
<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change	<input checked="" type="checkbox"/> No Change		
<b>Changes to product identification resulting from this PCN:</b>					
Assembly Site					
TI Clark Philippines	Assembly Site Origin (22L)	ASO: QAB			
UTAC Thai Limited	Assembly Site Origin (22L)	ASO: NSE			
Sample product shipping label (not actual product label)					

 <b>TEXAS INSTRUMENTS</b> MADE IN: Malaysia 2DC: 20: MSL 2 / 260C/1 YEAR SEAL DT MSL 1 / 235C/UNLIM 03/29/04 OPT: 39 ITEM: LBL: 5A (L)T0:1750		(1P) SN74LS07NSR (Q) 2000 (D) 0336 (31T) LOT: 3959047MLA (4W) TKY (1T) 7523483SI2 (P) (2P) REV: (V) 0033317 (20L) CS0: SHE (21L) CC0:USA (22L) AS0: MLA (23L) AC0: MYS
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Product Affected:			
SN2102043RVFR	TPS546B24ARVFR	TPS546D24RVFR	TPS546D24ZRVFR
TPS546A24ARVFR	TPS546B24SRVFR	TPS546D24RVFT	
TPS546A24SRVFR	TPS546D24ARVFR	TPS546D24SRVFR	

## Qualification Report

Approve Date 09-May-2024

### Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: TPS546D24SRVFR	Qual Device: TPS546B24SRVFR	Qual Device: TPS546A24SRVFR	Qual Device: TPS546D24RVFR	QBS Reference: TPS544C24RVFR
HAST	A2	Biased HAST	110C/85%RH	264 Hours	-	-	-	-	3/231/0
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	1/77/0	-	-	-	3/231/0
TC	A4	Temperature Cycle	-55C/125C	700 Cycles	1/77/0	1/77/0	-	-	3/231/0
HTSL	A6	High Temperature Storage Life	170C	420 Hours	-	-	-	-	3/231/0
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes); PB-Free Solder;	-	-	-	-	-	3/66/0
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	Pass	Pass	Pass	-	Pass
FTY	E6	Final Test Yield	-	-	Pass	Pass	Pass	Pass	Pass

QBS: Qual By Similarity

Qual Device TPS546D24SRVFR is qualified at MSL2 260C

Qual Device TPS546B24SRVFR is qualified at MSL2 260C

Qual Device TPS546A24SRVFR is qualified at MSL2 260C

Qual Device TPS546D24RVFR 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/>

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

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