



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20240319000.1
Qualify New Assembly Material set for Selected Device(s)
Change Notification / Sample Request

Date: March 19, 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

20240319000.1
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
BQ24075TRGTR	NULL
INA300AIDSQR	NULL
TPD6S300ARUKR	NULL
TPS2553DRVR	NULL
TPS2557DRBR	NULL
TPS25940LRVCR	NULL
TPS54335ADRCR	NULL
TPS61045DRBR	NULL
TPS62510DRCR	NULL
TPS70918DRVR	NULL
TPS70930DRVR	NULL
TPS70933DRVR	NULL
TPS70950DRVR	NULL
TPS72015DRVR	NULL
TPS74701DRCR	NULL
TPS74801DRCR	NULL

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

PCN Number:	20240319000.1			PCN Date:	March 19, 2024																																
Title:	Qualify New Assembly Material set for Selected Device(s)																																				
Customer Contact:	Change Management team		Dept:	Quality Services																																	
Proposed 1st Ship Date:	June 17, 2024		Sample requests accepted until:	April 18, 2024*																																	
*Sample requests received after April 18, 2024 will not be supported.																																					
Change Type:																																					
<input 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																																
PCN Details																																					
Description of Change:																																					
Texas Instruments is pleased to announce the qualification of new assembly material for devices listed in "Product affected" section below. Devices will remain in current assembly facility and piece part changes as follows:																																					
<table border="1"> <thead> <tr> <th>Material</th> <th>Current</th> <th>Proposed</th> </tr> </thead> <tbody> <tr> <td>Mount compound</td> <td>4207768</td> <td>4207123</td> </tr> <tr> <td>Mold compound</td> <td>4208625</td> <td>4222198</td> </tr> </tbody> </table>						Material	Current	Proposed	Mount compound	4207768	4207123	Mold compound	4208625	4222198																							
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Mold compound	4208625	4222198																																			
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.																																					
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Changes to product identification resulting from this PCN:																																					
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Qualification Report

Approve Date 05-Mar-2018

Product Attributes

Attribute	Qual Device: V7610D24-V200	Qual Device: A01E6888R00R	Qual Device: A01K12N24R	Qual Device: A01E6818R00R	Qual Device: PC6561F6E88R00R	Qual Device: DEV16888R00R	Qual Device: R0C-00	Qual Device: A01E6818R00R	Qual Device: A01E6818R00R	Qual Device: TP16811VQ00R	Q93 Package Reference: TP16811VQ00R	Q93 Package Reference: TP16811VQ00R	Q93 Package Reference: TP16811VQ00R
Assembly Site	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CHENGDU AT	CHENGDU AT
Package Family	VISION	VISION	VISION	VISION	VISION	VISION	VISION	VISION	VISION	VISION	VISION	VISION	VISION
Connectivity Rating	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0	UL M3 V-0
Wafer Fab Supplier	DFAB, TSMC WPT	DMOS E	AJZU	DMOS1	TSMC WPT	RFAB	-	DMOS1	M/HO B	RFAB	PREISING (FFAB)	RFAB	RFAB
Wafer Fab Process	LC8C4, TSMC C 25	HPE035	HPA07	50HPADPT-030R	0.18-0PDM-FLASH	LCB7	-	18F052SL	LCB7	LCB7X	BICOM5 (FFAB)	LCB7	LCB7

- QBS: Qual By Similarity
- Qual Device qualified at LEVEL1-260CG: TPS65631WDSKR
- Qual and QBS Devices qualified at LEVEL2-260CG: 27541DRZR-V200, ,DRV10866DSCR, TPS63000DRCR, ADS1220IRVAR, TPS7A4701QRGWRQ1, TRS3122ERGER
- Qual Devices qualified at LEVEL3-260CG: ADS8548SRGCR, , RGC-DC, CC2541F256RHAR ,S320F28030RSHT, 430FR5969IRGZR
- Device 27541DRZR-V200 contains multiple dies

Qualification Results

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

Type	Test Name / Condition	Duration	Qual Device: ZP541D02R/V209	Qual Device: A38F/R35E3RGCRZ	Qual Device: AD122B0VAR	Qual Device: AD35E4S RGCR	Qual Device: CC2541ZF5SRHAR	Qual Device: DW160E0D RCR	Qual Device: RCG-DC	Qual Device: G32I/P30E0SHT	Qual Device: TP3K5E1MVO IKR	QIS S Package Reference: TR37AF1C0GRG1	QIS S Package Reference: TR3512FC0GR
AC	Autoclave 121C	96 Hours	3/2310	-	3/2310	-	-	-	-	3/2310	-	3/2310	-
BLR	Board Level Reliability, Temp Cycle, -40/125C	1000 Cycles	-	-	-	-	-	-	1/320	-	-	1/320	-
ED	Electrical Distributions	Cpk=1.67 Room, Hot, & Cold	-	-	-	-	-	-	-	-	-	3/900	-
EQ	Electrical Characterization	For Database Parameters	-	-	-	-	-	-	-	-	-	-	1/300
FLAM	Flammability (IEC 695-2-2)	-	-	-	-	-	-	-	-	-	-	-	3/150
FLAM	Flammability (UL 94V-0)	-	-	-	-	-	-	-	-	-	-	-	3/150
FLAM	Flammability (UL-1664)	-	-	-	-	-	-	-	-	-	-	-	3/150
HAST	Bias/HAST, 130C/85%RH	96 Hours	-	3/2310	-	-	-	-	-	-	-	3/2310	-
HBM	ESD - HBM	1000 V	-	-	-	-	-	-	-	-	-	1/30	-
CDM	ESD - CDM	250 V	-	3/60	-	-	-	-	-	-	-	1/30	-
HTOL	Life Test, 150C	1000 Hours	-	-	-	-	-	-	-	-	-	3/2310	-
HTOL	Life Test, 150C	300 Hours	-	-	-	-	-	-	-	-	-	-	1/770
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	-	-	-	3/2310	-	-	3/2300	-	1/450	3/2310
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	-	-	3/2310	-	-	-	-	3/2300	-	-
LUT	(per JEDEC78)	Latch-up	-	-	-	-	-	-	-	-	-	1/120	1/60
PD	Physical Dimensions	-	3/150	3/150	3/150	3/150	3/150	3/150	-	3/150	3/150	3/300	3/300
PTC	Power Temperature Cycle, -40/125C	1000 Cycles	-	-	-	-	-	-	-	-	-	1/150	-
SD	Surface Mount Solderability	8 Hours Shock Ages, Pb-Free	-	-	-	-	-	-	-	3/660	3/660	1/150	1/220
SD	Surface Mount Solderability	Pb	-	-	-	-	-	-	-	-	-	1/150	-
TC	Temperature Cycle, -55/125C	700 Cycles	-	-	-	-	3/2300	-	-	-	-	-	-
TG	Temperature Cycle, -65/150C	500 Cycles	3/2310	3/2310	3/2310	3/2310	-	3/2310	-	3/2310	3/2310	3/2250	3/2310
THB	Bias/Temperature and Humidity, 85C/85%RH	1000 Hours	-	-	-	-	-	-	-	3/2150	-	-	-
UHAFT	Unbiased HAST, 110C/85%RH	264 Hours	-	-	-	-	3/2310	-	-	-	-	-	-
UHAFT	Unbiased HAST, 130C/85%RH	96 Hours	-	-	-	-	-	3/2310	-	-	-	-	-
VM	Visual/Mechanical	(per mfg. Site specification)	3/9840	3/9840	3/9840	3/9840	3/9840	3/9840	-	3/9840	3/9840	-	3/9840
VSP	Sold Pad Shear	Wires	3/2280	3/2280	-	-	3/2280	-	-	3/2280	3/2280	3/600	3/2280
WS	Sold Pad Shear	Wire	3/2280	3/2280	-	-	3/2280	-	-	3/2280	3/2280	3/200	-

- 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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