



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
TPS2553DRVRR	NULL
TPS2557DRBR	NULL
TPS25940LRVCR	NULL
TPS54335ADRCR	NULL
TPS61045DRBR	NULL
TPS62510DRCR	NULL
TPS70918DRVRR	NULL
TPS70930DRVRR	NULL
TPS70933DRVRR	NULL
TPS70950DRVRR	NULL
TPS72015DRVRR	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
Material	Current	Proposed												
Mount compound	4207768	4207123												
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.														
<table border="1"> <thead> <tr> <th>RoHS</th> <th>REACH</th> <th>Green Status</th> <th>IEC 62474</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> No Change</td> </tr> </tbody> </table>						RoHS	REACH	Green Status	IEC 62474	<input checked="" type="checkbox"/> No Change				
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:														
None														
Product Affected:														
BQ24075TRGTR	SN553401RTER	TPS54335ADRCR	TPS70933DRV											
BQ24232HRGTR	TPD6S300ARUKR	TPS54622ARHLR	TPS70950DRV											
BQ294512DRV	TPS2553DRV	TPS61045DRBR	TPS72015DRV											
BQ294522DRV	TPS2557DRBR	TPS62130ARGTR-S	TPS74701DRCR											
BQ40Z651RSMR	TPS25940LRVCR	TPS62130BRGTR-S	TPS74801DRCR											
CD3211A1RGPR	TPS51200DRCR-S	TPS62510DRCR												
INA300AIDSQR	TPS51916ARUKR	TPS70918DRV												
MSP430V256IRSAR	TPS51980ARTVR	TPS70930DRV												

Qualification Report

Approve Date 05-Mar-2018

Product Attributes

Attributes	Qual Device: 27541DRZR-V200	Qual Device: 430FR5969IRGZR	Qual Device: AD1220IRVAR	Qual Device: AD1220IRGCR	Qual Device: CC2541F256RHAR	Qual Device: DRV10866DSCR	Qual Device: RGC-DC	Qual Device: 8220F28030RSHT	Qual Device: TP1880000RCR	Qual Device: TP1880000RKR	QBS Package Reference: TE7A7A701GBGWGQ1	QBS Package Reference: TRA122ERGER
Assembly Site	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	CLARK AT	QFN, 5 x 5 MM	CHENGDU A/7
Package Family	VQFN	VQFN	VQFN	VQFN	WSON	VQFN	WSON	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 V-0
Wafer Fab Supplier	DFAB, TSMC WFT	DMOS 6	AIZU	DMOS5	TSMC WFT	RFAB	-	DMOS5	M/HQ 8	RFAB	FREEING (FFAB)	RFAB
Wafer Fab Process	LBIG-X, TSMC 0.25	HPE035	HFA07	SOHPA07HF 030R	0.18-OPFM-FLASH	LBC7	-	1B05 25L	LBC7	LBC7X	BiCOM3-HV	LBC7

- 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: 27541DRZR-V200	Qual Device: 430FR5969IRGZR	Qual Device: AD1220IRVAR	Qual Device: AD1220IRGCR	Qual Device: CC2541F256RHAR	Qual Device: DRV10866DSCR	Qual Device: RGC-DC	Qual Device: 8220F28030RSHT	Qual Device: TP1880000RCR	Qual Device: TP1880000RKR	QBS Package Reference: TE7A7A701GBGWGQ1	QBS Package Reference: TRA122ERGER
AC	Autoclave 121C	96 Hours	3/231/0	3/231/0	3/231/0	3/231/0	-	3/231/0	1/320	3/231/0	3/231/0	3/231/0	3/231/0	3/231/0
BLR	Board Level Reliability, Temp Cycle, -40/125C	1000 Cycles	-	-	-	-	-	-	-	-	-	-	1/320	-
ED	Electrical Distributions	Cok+167 Room, Hot, & Cold	-	-	-	-	-	-	-	-	-	-	3/900	-
ED	Electrical Characterization	Per Datasheet Parameters	-	-	-	-	-	-	-	-	-	-	1/300	-
FLAM	Flammability (IEC 695-2-2)	-	-	-	-	-	-	-	-	-	-	-	3/150	-
FLAM	Flammability (UL 54V-0)	-	-	-	-	-	-	-	-	-	-	-	3/150	-
FLAM	Flammability (UL 1694)	-	-	-	-	-	-	-	-	-	-	-	3/150	-
HTOL	High Temperature, 130C/85%RH	96 Hours	-	3/231/0	-	-	-	-	-	-	-	-	3/231/0	3/231/0
HTOL	ESD - HBM	1000 V	-	-	-	-	-	-	-	-	-	-	1/30	-
CDM	ESD - CDM	250 V	-	3/90	-	-	-	-	-	-	-	-	1/30	-
HTOL	Life Test, 125C	1000 Hours	-	-	-	-	-	-	-	-	-	-	3/231/0	-
HTOL	Life Test, 150C	300 Hours	-	-	-	-	-	-	-	-	-	-	1/770	-
HTSL	High Temp. Storage Bake, 150C	1000 Hours	-	3/229/0	-	3/231/0	-	-	3/230/0	-	-	-	14/50	3/231/0
HTSL	High Temp. Storage Bake, 170C	420 Hours	-	-	3/231/0	-	-	-	-	-	-	-	-	-
LU	Latitude (per JESD78)	-	-	-	-	-	-	-	-	-	-	-	1/120	1/60
PTC	Physical Dimensions	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/15/0	3/350	3/350
PTC	Power Temperature Cycle, -40/125C	1000 Cycles	-	-	-	-	-	-	-	-	-	-	1/600	-
SD	Surface Mount Solderability	8 Hours Steam Age, Pb-Free	-	-	-	-	-	-	-	3/66/0	3/66/0	-	1/150	1/220
SD	Surface Mount Solderability	Pb	-	-	-	-	-	-	-	-	-	-	1/150	-
TC	Temperature Cycle, -55/125C	700 Cycles	-	-	-	-	3/230/0	-	-	-	-	-	-	-
TC	Temperature Cycle, -55/150C	500 Cycles	3/231/0	3/231/0	3/231/0	3/231/0	-	3/231/0	-	3/231/0	3/231/0	3/225/0	3/310	3/231/0
THB	Biased Temperature and Humidity, 85C/85%RH	1000 Hours	-	-	-	-	-	-	-	3/219/0	-	-	-	-
UHAST	Unbiased HAST, 110C/85%RH	264 Hours	-	-	-	-	-	3/231/0	-	-	-	-	-	-
UHAST	Unbiased HAST, 130C/85%RH	96 Hours	-	-	-	-	-	3/231/0	-	-	-	-	-	-
VM	Visual / Mechanical	(per intg. Site Specification)	3/964/0	3/964/0	3/964/0	3/964/0	3/964/0	-	3/964/0	3/964/0	3/964/0	3/964/0	3/964/0	3/964/0
WBP	Bond Pull	Wires	3/228/0	3/228/0	-	-	-	3/228/0	-	3/228/0	3/228/0	3/228/0	3/228/0	3/228/0
WBS	Ball Bond Shear	Wires	3/228/0	3/228/0	-	-	-	3/228/0	-	3/228/0	3/228/0	3/228/0	3/228/0	3/228/0

- 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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