



12500 TI Boulevard, MS 8640, Dallas, Texas 75243

PCN# 20240612000.1
Qualify New Assembly Material set for Selected Device(s)
Change Notification / Sample Request

Date: June 14, 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

20240612000.1**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
DRV8256EPWPR	NULL
DRV8256PPWPR	NULL
DRV8262DDWR	NULL
DRV8424EPWPR	NULL
DRV8424PPWPR	NULL
DRV8424PWPR	NULL
DRV8425EPWPR	NULL
DRV8425PPWPR	NULL
DRV8425PWPR	NULL
DRV8426EPWPR	NULL
DRV8426PPWPR	NULL
DRV8426PWPR	NULL
DRV8428EPWPR	NULL
DRV8428PPWPR	NULL
DRV8428PWPR	NULL
DRV8434APWPR	NULL
DRV8434EPWPR	NULL
DRV8434PPWPR	NULL
DRV8434PWPR	NULL
DRV8434SPWPR	NULL
DRV8436EPWPR	NULL
DRV8436PPWPR	NULL
DRV8436PWPR	NULL
DRV8452DDWR	NULL
DRV8452PWPR	NULL
DRV8452SPWPR	NULL
DRV8461DDWR	NULL
DRV8461PWPR	NULL
DRV8461SPWPR	NULL
DRV8462DDWR	NULL
DRV8833PWPR	NULL
DRV8847PWPR	NULL
DRV8848PWPR	NULL
DRV8932PPWPR	NULL
DRV8935PPWPR	NULL
DRV8952DDWR	NULL
DRV8955PPWPR	NULL
DRV8962DDVR	NULL
DRV8962DDWR	NULL
LM25185PWPR	NULL
LM5122ZAPWPR	NULL
LM5122ZAPWPT	NULL
LM5177DCPR	NULL
LM5185PWPR	NULL
TAS5822MDCPR	NULL
TLC5929PWPR	NULL
TLC5948APWP	NULL
TLC5948APWPR	NULL

TPS16530PWPR	NULL
TPS16630PWPR	NULL
TPS16630PWPT	NULL
TPS26631PWPR	NULL
TPS26631PWPT	NULL
TPS26633PWPR	NULL
TPS26633PWPT	NULL
TPS26636PWPR	NULL
TPS26636PWPT	NULL
TPS54225PWPR	NULL
TPS54226PWPR	NULL
TPS54226PWPR	NULL
TPS54294PWPR	NULL
TPS54294PWPR	NULL
TPS54295PWPR	NULL
TPS54310PWPR	NULL
TPS54310PWPRG4	NULL
TPS54312PWPR	NULL
TPS54314PWPR	NULL
TPS54315PWPR	NULL
TPS54316PWPR	NULL
TPS54325PWPR	NULL
TPS54326PWPR	NULL
TPS54425PWPR	NULL
TPS54426PWPR	NULL
TPS54426PWPR	NULL
TPS54429EPWPR	NULL
TPS54429PWPR	NULL
TPS54525PWPR	NULL
TPS54525PWPR	NULL
TPS54526PWPR	NULL
TPS54526PWPR	NULL
TPS54610PWPR	NULL
TPS54610PWPRG4	NULL
TPS54612PWPR	NULL
TPS54615PWPR	NULL
TPS54616PWPR	NULL
TPS56520PWPR	NULL
TPS56520PWPR	NULL
TPS65270PWPR	NULL
TPS7A7833PWPR	NULL
TPS7A7850PWPR	NULL
TPS7A7850PWPT	NULL
TPS92633MPWPR	NULL

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

PCN Number:	20240612000.1	PCN Date:	June 14, 2024
Title:	Qualify New Assembly Material set for Selected Device(s)		
Customer Contact:	Change Management team	Dept:	Quality Services
Proposed 1st Ship Date:	September 12, 2024	Sample requests accepted until:	July 14, 2024*

*Sample requests received after July 14, 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 mount compound material for the devices listed below. Devices will remain at the current assembly site.

	Current	Proposed
Mount compound	4208458	4211470

Qual details are provided in the Qual Data Section.

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			

Changes to product identification resulting from this PCN:

None

Product Affected: Group 1

SN0910037PWPR	TPS54425PWPR-P	TPS54525PWPR-P	TPS16637PWPR
LM5177DCPR	DRV8436PWPR	DRV8256PPWPR	TPS26637PWPR
DRV8426EPWPR	DRV8452DDWR	TPS26636PWPR	DRV8461SPWPR
TPS54526PWPR	TPS8801DCPR	TPS54429PWPR	TPS54312PWPR
DRV8424PPWPR	LM5122ZAPWPR	TLC5948APWPR	TPS54314PWPR
TPS56920PWP	TLC5929PWP	TPS54294PWP	TPS54325PWPR-P
DRV8962DDWR	TPS65270PWPR	DRV8434PWPR	DRV8848PWPR
TPS56920PWPR	TPS65291PWPR	LM98555CCMH/NOPB	TPS54426PWPR
DRV8833LPWPR	TPS54295PWP	SN0910038PWPR	DRV8461PWPR

DRV8425EPWPR	TPS54226PWP	TPS26631PWPR	TPS54313PWPR
DRV8935PPWPR	TPS7A7833PWPT	TPS54316PWPRG4	DRV8424PWPR
DRV8425PWPR	TPS54325PWP	TPIC2060ASDFDRG4	TPS54325PWP-P
TPS54615PWPR	TPS54310PWPRG4	DRV8452PWPR	TPS54226PWPR
TPS54616PWPR	TPS92633MPWPR	DRV8262DDWR	TPS54429EPWP
TLS2602TDCARG4	TPS26633PWPT	DRV8256EPWPR	SN1011047PWPR
DRV8436EPWPR	TPS26631PWPT	TPS54312PWPRG4	TPS7A7850PWPR
TPS54326PWP	DRV8955PPWPR	LM98555CCMHX/NOPB	DRV8426PWPR
TPS65291PWPT	DRV8848LPWPR	TPS54314PWPRG4	TPS56520PWP
TPS56520PWPR	DRV8461DDWR	DRV8425PPWPR	TPS54294PWPR
TAS880021ADCAR	TPS54525PWP	LM5122ZAPWPT	DRV8462DDWR
DRV8962DDVR	DRV8952DDWR	TPS54525PWP-P	TAS5822MDCPR
TPS26636PWPT	TAS85807MDCPR	DRV8434EPWPR	TPS54315PWPR
DRV8434PPWPR	DRV8434SPWPR	DRV8428PWPR	TPS54429PWP
PDRV8932PPWPR	DRV8426PPWPR	TPS7A7836PWPT	LM25185PWPR
TLC5949PWPR	TPS16530PWP	TPS54225PWP	TPS16630PWPR
DRV8428EPWPR	DRV8847PWPR	DRV8428PPWPR	TPS54295PWPR
TPS54612PWPR	TLC5948APWP	SN005826MDCPR	DRV8452SPWPR
TPS54610PWPRG4	DRV8424EPWPR	TPS54310PWP	SN1110021PWPR
TPS54613PWPR	DRV8434APWPR	LM5185PWP	TPS54525PWP
TPS54610PWPR	TPS54326PWP	TPS54425PWP	TPS54316PWPR
TPS54612PWPRG4	TPS7A7836PWP	TPS54425PWP-P	TPS8804DCPR
TPS54426PWP	TPS7A7833PWP	TPS7A7850PWPT	TPS54526PWP
TPS54425PWP	DRV8436PPWPR	TLC5929PWPR	TPS16630PWPT
DRV8833PWP	PDRV8935PPWPR	TLC5949PWP	TPS26633PWP
DRV8932PPWPR	TPS54429EPWPR	TPS54614PWP	

Qualification Report

Approve Date 27-February-2024

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: DRV8412DDWR	Qual Device: PCM1690DCAR	QBS Reference: LP8880DCPRQ1
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-	-	3/231/0
UHAST	A3	Autoclave	121C/15psig	96 Hours	-	-	3/231/0
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	3/231/0	3/231/0	-
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	3/231/0	3/231/0	3/231/0
HTSL	A6	High Temperature Storage Life	175C	500 Hours	-	-	3/135/0
HTOL	B1	Life Test	125C	1000 Hours	-	-	1/77/0
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes); PB-Free Solder;	-	1/22/0	1/22/0	1/15/0
PD	C4	Physical Dimensions	Cpk>1.67	-	-	-	3/30/0
ESD	E2	ESD CDM	-	500 Volts	-	-	1/3/0
ESD	E2	ESD HBM	-	2000 Volts	-	-	1/3/0
LU	E4	Latch-Up	Per JESD78	-	-	-	1/6/0
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	1/30/0	1/30/0	-
CHAR	E5	Electrical Distributions	Cpk>1.67 Room, hot, and cold	-	-	-	3/90/0

QBS: Qual By Similarity

Qual Device DRV8412DDWR is qualified at MSL3 260C
Qual Device PCM1690DCAR is qualified at MSL3 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/>

Qualification Report

Approve Date 30-May-2024

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: DRV8462DDWR	QBS Reference: DRV8812PWPR	QBS Reference: LM46002PWPR	QBS Reference: LP8880DCPRQ1
HAST	A2	Biased HAST	130C/85%RH	96 Hours	-	-	-	3/231/0
UHAST	A3	Autoclave	121C/15psig	96 Hours	-	3/231/0	3/231/0	3/231/0
UHAST	A3	Unbiased HAST	130C/85%RH	96 Hours	3/231/0	-	-	-
TC	A4	Temperature Cycle	-65C/150C	500 Cycles	3/231/0	3/231/0	3/231/0	3/231/0
HTSL	A6	High Temperature Storage Life	175C	500 Hours	-	-	-	3/135/0
HTOL	B1	Life Test	125C	1000 Hours	-	-	-	1/77/0
SD	C3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes); PB-Free Solder;	-	1/22/0	-	-	1/15/0
PD	C4	Physical Dimensions	Cpk>1.67	-	-	-	-	3/30/0
ESD	E2	ESD CDM	-	500 Volts	-	-	-	1/3/0
ESD	E2	ESD HBM	-	2000 Volts	-	-	-	1/3/0
LU	E4	Latch-Up	Per JESD78	-	-	-	-	1/6/0
CHAR	E5	Electrical Characterization	Per Datasheet Parameters	-	3/90/0	1/30/0	1/30/0	3/90/0

QBS: Qual By Similarity

Qual Device DRV8462DDWR is qualified at MSL3 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/>

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