PCN Number: 20230804000.1							PCN Date:	August 07, 2023			
Title: Qualifica	ition of ad	ditional	mo	unt compou	nd for select	t de	evic	es			
Customer Contac	ct: Cha	nge Man	ag	ement Team	Dept:	Q	uali	ity Services			
Proposed 1 st Ship Date: Nov 7,				2023 Sai				pple requests Sept 7, 2023		3	
*Sample reques	ts receive	ed after	Se	ept 7, 2023	will not be	sı					
Change Type:											
Assembly Site				Design]	Wafer Bump N	Wafer Bump Material		
Assembly Pro				Data Sheet]	Wafer Bump F			
Assembly Materials			ᅦ	Part numbe	r change	ĻĻ		Wafer Fab Sit			
☐ Mechanical Sp			믞	Test Site		┞╞] 1	Wafer Fab Ma			
☐ Packing/Shipp	oing/Label	ing		Test Proces		L]	Wafer Fab Pro	cess		
	•			PCN De	etalis						
Description of Cl	hange:										
This PCN is to info follows:	rm of an a	alternate	m	ount compoi	und qualifica	atio	n fo	or the devices li	sted below as	6	
W	/hat			Cui	rrent			New			
Mount C	com pound	d		420	8458			4211470			
			1							I	
Reason for Chan	ge:										
Continuity of supp	ly										
Anticipated impa	act on Fo	rm, Fit,	Fu	nction, Qua	lity or Rel	ia b	ilit	y (positive / r	negative):		
None											
Impact on Enviro	onmenta	Rating	S								
Checked boxes inc If below boxes are										ge.	
RoHS R		RE/	ACH	Green	Sta	itu	s IEC	62474			
☑ No Change ☑ No Ch		nar	ange 🛛 No Change				⊠ No Ch	nange			
Changes to prod	uct ident	ificatio	ı r	esulting fro	m this PCI	N:					
Not applicable											
Product Affected	l:										
DRV10975PWPR	DR\	/8814PW	PR	LM	46002PWPR			TPS26600PWI	PR		
DRV10983PWPR	DRV	/8824PW	PR	PC	M1681PWPR			TPS54225PWF	PR		
DRV8313PWPR DRV8841PWI		PR	PR SN1604053PWP				TPS54325PWI	WPR			
DRV8803PWPR DRV8842PWF			PR TPA3111D1PW				TPS55340PWI				
DRV8804PWPR								TPS56C20PWI			
DRV8811PWPR								TPS767D301PWPR			
	DRV8874PWP							TPS767D301PWPRG4			
	RV8812PWPR DRV8885PW			TPS23754PWPR-1				1P5/6/D301P	WPKG4		
DRV8813PWPR	DR\	/8886PW	۲К								

- 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/

TI Qualification ID: R-CHG-2301-013

TI Information Selective Disclosure

Qualification Report Approve Date 31-July-2023

Qualification Results

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

Туре	#	Test Name	Condition	Duration	Qual Device: <u>DRV8812PWPR</u>	Qual Device: LM46002PWPR	QBS Reference: <u>LP8880DCPRQ1</u>
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
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	С3	PB-Free Solderability	Precondition w.155C Dry Bake (4 hrs +/- 15 minutes)	-	-	-	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	3/90/0

- QBS: Qual By Similarity
- Qual Device DRV8812PWPR is qualified at MSL1 260C
- Qual Device LM46002PWPR 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/

TI Qualification ID: R-CHG-2301-013

`

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

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATASHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF

MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, or other requirements. These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to TI's Terms of Sale (www.ti.com/legal/termsofsale.html) or other applicable terms available either on ti.com or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.