

PCN Number:	20230412001.1		PCN Date:	April 12, 2023	
Title:	Qualification of a new die attach material for select devices				
Customer Contact:	PCN Manager	Dept:	Quality Services		
Proposed 1st Ship Date:	Jul 11, 2023	Sample requests accepted until:	May 12, 2023		
*Sample requests received after May 12, 2023 will not be supported.					
Change Type:					
<input type="checkbox"/>	Assembly Site	<input type="checkbox"/>	Design	<input type="checkbox"/>	Wafer Bump Site
<input type="checkbox"/>	Assembly Process	<input type="checkbox"/>	Data Sheet	<input type="checkbox"/>	Wafer Bump Material
<input checked="" type="checkbox"/>	Assembly Materials	<input type="checkbox"/>	Part number change	<input type="checkbox"/>	Wafer Bump Process
<input type="checkbox"/>	Mechanical Specification	<input type="checkbox"/>	Test Site	<input type="checkbox"/>	Wafer Fab Site
<input type="checkbox"/>	Packing/Shipping/Labeling	<input type="checkbox"/>	Test Process	<input type="checkbox"/>	Wafer Fab Materials
				<input type="checkbox"/>	Wafer Fab Process
PCN Details					
Description of Change:					
This PCN is to inform of an alternate die attach material for the devices listed below.					
	What	Current	New		
	Die attach material	4208458	4211470		
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.					
	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:					
DRV10987SLIPWPR	LM5176PWPR	TAS5806MDCPR	TPA3113D2PWPR		
DRV8818PWP	LM5176PWPT	TAS5806MDDCP	TPA3118D2DAP		
DRV8818PWPR	SN005805PWPR	TAS5806MDDCPR	TPA3118D2DAPR		
DRV8840PWP	SN8C0183PWP	TAS5807MDCP	TPA3130D2DAP		
DRV8840PWPR	SN8C0183PWPR	TAS5807MDCPR	TPA3130D2DAPR		
DRV8876NPWPR	SNB9039DCP-P	TLS2605RDCARG4	TPA3138D2PWP		
DRV8876NPWPT	TAS5805M0PWPR	TPA3110D2PWP	TPA3138D2PWPR		
DRV8876PWPR	TAS5805MPWP	TPA3110D2PWPR	TPS8802DCPR		

DRV8876PWPT	TAS5805MPWPR	TPA3113D2PWP	
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TI Information
Selective Disclosure

Qualification Report

Approve Date 07-APRIL -2023

Qualification Results

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

Type	#	Test Name	Condition	Duration	Qual Device: TAS5807MDCPR	Qual Device: TLS2605RDCARG4	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
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
SD	C3	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
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 TAS5807MDCPR and TLS2605RDCARG4 are 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/>

Green/Pb-free Status:

Qualified Pb-Free(SMT) and Green

TI Qualification ID: R-CHG-2207-055

For questions regarding this notice, e-mails can be sent to the contacts shown below or your local Field Sales Representative.

Location	E-Mail
WW Change Management Team	PCN_ww_admin_team@list.ti.com

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