

<b>PCN Number:</b>	20240320000.1			<b>PCN Date:</b>	March 20, 2024
<b>Title:</b>	Qualification alternate Mount & Mold Compound material for select devices				
<b>Customer Contact:</b>	Change Management team		<b>Dept:</b>	Quality Services	
<b>Proposed 1<sup>st</sup> Ship Date:</b>	June 18, 2024		<b>Sample Requests accepted until:</b>	April 19, 2024*	
<b>*Sample requests received after April 19, 2024 will not be supported.</b>					
<b>Change Type:</b>					
<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
<b>PCN Details</b>					
<b>Description of Change:</b>					
This PCN is to inform of an alternate Mount & Mold Compound material set for the list of devices in the product affected sections below.					
<b>Group 1: Additional Mold compound qualification only</b>					
<b>What</b>		<b>Current</b>		<b>Additional</b>	
<b>Mold Compound</b>		<b>4208625</b>		<b>4222198</b>	
<b>Group 2: Additional Mold compound and mount compound qualification</b>					
<b>What</b>		<b>Current</b>		<b>Additional</b>	
<b>Mount Compound</b>		<b>4207768</b>		<b>4207123</b>	
<b>Mold Compound</b>		<b>4208625</b>		<b>4222198</b>	
Qualification results are shown below					
<b>Reason for Change:</b>					
Standardization					
<b>Anticipated impact on Form, Fit, Function, Quality or Reliability (positive / negative):</b>					
None					
<b>Impact on Environmental Ratings</b>					
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.					
<b>RoHS</b>		<b>REACH</b>		<b>Green Status</b>	
<input checked="" type="checkbox"/> No Change		<input checked="" type="checkbox"/> No Change		<input checked="" type="checkbox"/> No Change	
<b>Changes to product identification resulting from this PCN:</b>					
None					
<b>Product Affected:</b>					
<b>Group 1 Device list (Mold Compound Qualification only):</b>					
ADC3541IRSBR	ADC3644IRSBT	MSP430F2131IRGET	TPS6521845RSLT		
ADC3541IRSBT	ADC3660IRSBR	MSP430F2234IRHAR	TPS6521855RSLR		
ADC3542IRSBR	ADC3660IRSBT	MSP430F2254IRHAT	TPS6521855RSLT		
ADC3542IRSBT	ADC3661IRSBR	MSP430G2444IRHA40T	TUSB8042AIRGCR		

ADC3543IRSB	ADC3661IRSB	PCA9555RGER	TUSB8042AIRGCT
ADC3543IRSB	ADC3662IRSB	SN1909003A2RSL	TUSB8042ARGCR
ADC3544IRSB	ADC3662IRSB	SN2001053A2RSLR	TUSB8042ARGCT
ADC3544IRSB	ADC3663IRSB	SN3138064RGCR	TUSB8043AIRGCR
ADC3561IRSB	ADC3663IRSB	SN3138RGCR	TUSB8043AIRGCT
ADC3561IRSB	ADC3664IRSB	SN700013RSMR	TUSB8043ARGCR
ADC3562IRSB	ADC3664IRSB	TDES954RGZR	TUSB8043ARGCT
ADC3562IRSB	ADC3681IRSB	TDES954RGZT	TUSB8044AIRGCR
ADC3563IRSB	ADC3681IRSB	TPS51206DSQR	TUSB8044AIRGCT
ADC3563IRSB	ADC3682IRSB	TPS51206DSQT	TUSB8044ARGCR
ADC3564IRSB	ADC3682IRSB	TPS53317RGBR	TUSB8044ARGCT
ADC3564IRSB	ADC3683IRSB	TPS53317RGBT	UCD3138064ARGCR
ADC3581IRSB	ADC3683IRSB	TPS650945A0RSKR	UCD3138064ARGCT
ADC3581IRSB	ADS6129IRGZR	TPS650945A0RSKT	UCD3138064RGCR
ADC3582IRSB	ADS6129IRGZT	TPS650947A0RSKR	UCD3138064RGCT
ADC3582IRSB	BQ25895PRTWR	TPS650947A0RSKT	UCD3138064RMHR
ADC3583IRSB	CC2640R2LRGZR	TPS652170RSLR	UCD3138064RMHT
ADC3583IRSB	CC2640R2LRHBR	TPS652170RSLT	UCD3138ARGCR
ADC3641IRSB	CC2650MODAMOHR	TPS6521815RSLR	UCD3138ARGCT
ADC3641IRSB	CDCI6114RGER	TPS6521815RSLT	UCD3138ARMHR
ADC3642IRSB	CDCI6114RGET	TPS6521825RSLR	UCD3138ARMHT
ADC3642IRSB	DP83867WRGZR	TPS6521825RSLT	UCD3138RGCR
ADC3643IRSB	DP83867WRGZT	TPS6521835RSLR	UCD3138RGCT
ADC3643IRSB	DRV8320HLRTVR	TPS6521835RSLT	UCD3138RMHR
ADC3644IRSB	LMH1227RTVT	TPS6521845RSLR	UCD3138RMHT

**Group 2 Device list (Mold Compound and Mount Compound qualification)**

SN0805016DRBR	TPS22969DNYR	TPS40197RGRYR	TPS40303DRCR
TPS22959DNYR	TPS22969DNYT	TPS40197RGRYT	TPS40304DRCR
TPS22959DNYT			



TI Information Selective Disclosure

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

Table with 16 columns: Type, Test Name / Condition, Duration, and 13 Qual Device columns (430F2122IRHBR, BQ24196RGER, etc.), and 3 QBS Package Reference columns. Rows include tests like Autoclave 121C, Electrical Characterization, Flammability, HAST, HTSL, etc.

- 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 JEDEC47: -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: 20160405-117558



TI Information Selective Disclosure

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

Table with 10 columns: Type, Test Name / Condition, Duration, and 7 Qual Device columns (430F2122IRHBR, BQ24196RGER, etc.), and 2 QBS Package Reference columns. Rows include tests like Autoclave 121C, Electrical Characterization, Flammability, HAST, HTSL, Temperature Cycle, Bond Pull, and Ball Bond Shear.

- 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 JEDEC47: -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: 20160218-116848, 20160217-116812 (QBS), 20160119-116479 (QBS)

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

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