

<b>PCN Number:</b>	20211206000.1		<b>PCN Date:</b>	December 13, 2021				
<b>Title:</b>	Qualification of an additional mold compound for select devices							
<b>Customer Contact:</b>	<a href="#">PCN Manager</a>	<b>Dept:</b>	Quality Services					
<b>Proposed 1<sup>st</sup> Ship Date:</b>	Mar 13 2022	<b>Estimated Sample Availability:</b>	Date provided at sample request					
<b>Change Type:</b>								
<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"/>		<input type="checkbox"/>	Wafer Fab Process			
<b>PCN Details</b>								
<b>Description of Change:</b>								
<p>This PCN is to inform of the qualification of an additional mold compound for the devices in the product affected section as follows:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="background-color: #d9e1f2;">Current Mold Compounds</th> <th style="background-color: #d9e1f2;">Additional Mold Compound</th> </tr> </thead> <tbody> <tr> <td>SID#4020026A3 or SID#R-12</td> <td>SID#402070106</td> </tr> </tbody> </table>					Current Mold Compounds	Additional Mold Compound	SID#4020026A3 or SID#R-12	SID#402070106
Current Mold Compounds	Additional Mold Compound							
SID#4020026A3 or SID#R-12	SID#402070106							
<b>Reason for Change:</b>								
Mold Compound Supplier EOL								
<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>	<b>IEC 62474</b>					
<input checked="" type="checkbox"/> No Change	<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>								
CSD19505KCS	CSD19506KCS	CSD19535KCS	CSD19536KCS					

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

Type	Test Name / Condition	Duration	Qual Device: CSD19505KCS	Qual Device: CSD19506KCS	Qual Device: CSD19535KCS	Qual Device: CSD19536KCS
HTGB	High Temp Gate Bias, 80%Vgss (max)	1000 Hours	-	-	-	3/231/0
HTRB	High Temp Reverse Bias, 80%Vdss (max)	1000 Hours	-	3/231/0	-	-
IOL	Intermittent Operational Life	10000 Cycles	-	3/231/0	-	-
AC	Autoclave 121C	96 Hours	-	3/231/0	-	-
FLAM	Flammability (UL 94V-0)	Flam/UL 94V-0	-	3/15/0	-	-
HAST	Biased HAST, 110C/85%RH	264 Hours	-	-	-	3/231/0
HAST	Biased HAST, 110C/85%RH	528 Hours	-	-	-	3/231/0
HTSL	High Temp Storage Bake 150C	1000 Hours	-	3/231/0	-	-
TC	Temperature Cycle, -65/150C	500 Cycles	1/77/0	3/231/0	-	-
YLD	FTY and Bin Summary	-	Pass	Pass	Pass	Pass

- QBS: Qual by Similarity  
- 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/>

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

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