

**PRODUCT / PROCESS CHANGE INFORMATION**

**1. PCI basic data**

<b>1.1 Company</b>		STMicroelectronics International N.V
<b>1.2 PCI No.</b>	ANALOG MEMS SENSORS/26/16167	
<b>1.3 Title of PCI</b>	VNL5300S5TR-E (VNZ403): Datasheet update.	
<b>1.4 Product Category</b>	Pls refer to the impacted products.	
<b>1.5 Issue date</b>	2026-03-02	

**2. PCI Team**

<b>2.1 Contact supplier</b>	
<b>2.1.1 Name</b>	ROBERTSON HEATHER
<b>2.1.2 Phone</b>	+1 8475853058
<b>2.1.3 Email</b>	heather.robertson@st.com
<b>2.2 Change responsibility</b>	
<b>2.2.1 Product Manager</b>	Vito GRAZIANO
<b>2.1.2 Marketing Manager</b>	Francesco MACINA
<b>2.1.3 Quality Manager</b>	Daniela FAZIO

**3. Change**

<b>3.1 Category</b>	<b>3.2 Type of change</b>	<b>3.3 Manufacturing Location</b>
General Product & Design	Modification of datasheet :parameters/electrical specification (min./max./typ. values) and/or AC/DC specification	not applicable

**4. Description of change**

	Old	New
<b>4.1 Description</b>	<p>DATASHEET Rev5</p> <ul style="list-style-type: none"> <li>- No Automotive Grade references in the DS</li> <li>- par. 2.2 title: thermal data</li> <li>- par 2.2 tab.5 title Thermal data</li> <li>- par 2.2 tab.5 content as per DS rev 5.0</li> <li>- par 4.1 title SO-8 thermal data</li> <li>- par 4.1, fig.7</li> <li>- par 4.1, fig.8. SO-8 RTJ_AMB vs PCB copper area in open box free air condition</li> <li>-par 4.1, fig.9</li> <li>- par 4.1 fig.10 thermal fitting model of an LSD in SO-8</li> <li>- table 15</li> <li>- par 5.2 fig.11 SO-8 package dimensions</li> <li>- par 5.2 tab.16 SO-8 mechanical data</li> <li>- par 5.3 fig.12 and fig. 13</li> <li>- par 6.0 Rev. Hist. tab. 17</li> </ul>	<p>DATASHEET Rev6</p> <ul style="list-style-type: none"> <li>- pag.1: AEC-Q100 and symbol</li> <li>- par2.2: Renamed; tab.5: Renamed; tab.5 reviewed; add notes</li> <li>- par4.1: Renamed; fig.7: Renamed; figures updated; footnote removed; add a new fig.8; - -</li> <li>- fig.8 becomes fig.9 updated and renamed; fig.9 becomes new fig.10 updated and renamed; equat.2 removed; fig.10 becomes fig.11 updated and renamed</li> <li>- tab.15 becomes tab.16 updated and renamed</li> <li>- par 5.2 fig.11 becomes fig.12; tab.16 becomes tab.17</li> <li>- par 5.3 former fig.12 and fig.13 deleted</li> <li>- par 6.0 Rev. Hist. tab.17 become tab.18</li> </ul>
<b>4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?</b>	No Impact	

**5. Reason / motivation for change**

<b>5.1 Motivation</b>	To align datasheet content with product characteristics.
<b>5.2 Customer Benefit</b>	SERVICE IMPROVEMENT

**6. Marking of parts / traceability of change**

<b>6.1 Description</b>	New Datasheet version: Rev 6.
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**7. Timing / schedule**

<b>7.1 Date of qualification results</b>	2026-02-17
<b>7.2 Intended start of delivery</b>	2026-03-20
<b>7.3 Qualification sample available?</b>	Not Applicable

<b>8. Qualification / Validation</b>			
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<b>8.1 Description</b>			
<b>8.2 Qualification report and qualification results</b>	In progress	<b>Issue Date</b>	

<b>9. Attachments (additional documentations)</b>			
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16167 Public product.pdf			
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<b>10. Affected parts</b>			
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<b>10. 1 Current</b>		<b>10.2 New (if applicable)</b>
<b>10.1.1 Customer Part No</b>	<b>10.1.2 Supplier Part No</b>	<b>10.1.2 Supplier Part No</b>
	VNL5300S5TR-E	
	VNLD5300TR-E	

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