

PRODUCT / PROCESS CHANGE NOTIFICATION

1. PCN basic data

1.1 Company	 STMicroelectronics International N.V
1.2 PCN No.	ANALOG MEMS SENSORS/25/15194
1.3 Title of PCN	Improved Over-voltage protection during power-up
1.4 Product Category	See product list
1.5 Issue date	2025-02-18

2. PCN Team

2.1 Contact supplier	
2.1.1 Name	ROBERTSON HEATHER
2.1.2 Phone	+1 8475853058
2.1.3 Email	heather.robertson@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Patrizia MILAZZO
2.2.2 Marketing Manager	Giuseppe NOVIELLO
2.2.3 Quality Manager	Massimiliano CUOZZO

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Die redesign : Mask or mask set change with new die design like metallization (specifically chip frontside) or bug fix	Front End : TSMC Back End : ATK-Amkor

4. Description of change

	Old	New
4.1 Description	The device's over-voltage protection (OVP) is available approximately 200us after the ping.	The device's over-voltage protection (OVP) is available approximately 20us after the ping.
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	Minor Impact No impact on customer PCB, function, reliability, processability. Customers need to update Firmware Configuration to use the new version of the product. Please contact ST sales representatives for details.	

5. Reason / motivation for change

5.1 Motivation	This improvement enhances design robustness with any faulty wireless chargers, including MagSafe, in any worst case condition where the voltage exceeds the device's Absolute Maximum Rating (AMR) of 20V for this short duration.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	New Finished good codes
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7. Timing / schedule

7.1 Date of qualification results	2025-01-22
7.2 Intended start of delivery	2025-07-01
7.3 Qualification sample available?	Upon Request

8. Qualification / Validation

8.1 Description	15194 DM01144565_2_0 (1).pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2025-02-18

9. Attachments (additional documentations)

15194 Public product.pdf
15194 DM01144565_2_0 (1).pdf

10. Affected parts

10. 1 Current		10.2 New (if applicable)
10.1.1 Customer Part No	10.1.2 Supplier Part No	10.1.2 Supplier Part No
	STWLCL38JRM	

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