

PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	ANALOG MEMS SENSORS/26/16475	
1.3 Title of PCI	ESD Human Body Model (HBM) classification change on the RHRAC164245	
1.4 Product Category	RHRAC164245 product and all its related sales type mentioned in the SMD and in the datasheet : -RHRAC164245K1 -RHRAC164245K01V (SMD pin#: 5962R9858008VYC) -RHRAC164245K03V (SMD pin#: 5962R9858008VZC)	
1.5 Issue date	2026-07-24	

2. PCI 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	Antonio RIVIERA
2.1.2 Marketing Manager	Christophe PRUGNE
2.1.3 Quality Manager	David MOCELLIN

3. Change

3.1 Category	3.2 Type of change	3.3 Manufacturing Location
General Product & Design	Modification of datasheet : Errata/error fix	Ang Mo Kio (Malaysia, Front-end) and Rennes (France, back-end, test, reliability)

4. Description of change

	Old	New
4.1 Description	Datasheet rev11 on st.com: ESD HBM specified at 2kV	Datasheet rev12 on st.com: ESD HBM specified at 500V
4.2 Anticipated Impact on form,fit, function, quality, reliability or processability?	Change on datasheet only. The product is unchanged, the process is unchanged. ST consider the impact very low; Important note: all parts of RHRAC16245 shipped in the last 8 to 7 years are all coming from the same wafer fab, using the same masks, and ST has never received any claim regarding the sustainability in ESD. However, customers are advised to handle the RHRAC164245 and the boards on which it is mounted in accordance with the guidelines applicable to products classified as ESD HBM 1B (500 V) under MIL-STD-883, Method 3015.	

5. Reason / motivation for change

5.1 Motivation	Datasheet correction: ESD HBM value from 2 kV to 500 V.
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	Datasheet rev12. ESD is not mentioned in the SMD, however, DLA is informed of the change. Consequently, the ESD classification of the devices is updated in the DLA QPL, available from DLA website.
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7. Timing / schedule

7.1 Date of qualification results	2026-06-29
7.2 Intended start of delivery	2026-08-05
7.3 Qualification sample available?	Not Applicable

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

9. Attachments (additional documentations)
16475 Public product.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
	RHRAC164245K1	

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