


PRODUCT / PROCESS CHANGE INFORMATION

1. PCI basic data

1.1 Company		STMicroelectronics International N.V
1.2 PCI No.	ANALOG MEMS SENSORS/26/16279	
1.3 Title of PCI	TS3121, TS3121A, Fail-safe feature removal in datasheet	
1.4 Product Category	See product list	
1.5 Issue date	2026-04-03	

2. PCI Team

2.1 Contact supplier	
2.1.1 Name	PIKE EMMA
2.1.2 Phone	+44 1628896111
2.1.3 Email	emma.pike@st.com
2.2 Change responsibility	
2.2.1 Product Manager	Marcello SAN BIAGIO
2.1.2 Marketing Manager	Lionel GRILLO
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	N/A

4. Description of change

	Old	New
4.1 Description	Fail-safe feature described in product datasheet.	Fail-safe feature removed from product datasheet.
4.2 Anticipated Impact on form, fit, function, quality, reliability or processability?	Changes with no impact or not expected impact the form, fit, function, processing, quality, reliability, safety, cybersecurity of a product nor the external customer supply chain and for which the qualification trials are involving other organization out of the one proposing the change.	

5. Reason / motivation for change

5.1 Motivation	During supplementary reliability testing dedicated to the specific feature of fail-safe inputs, we encountered unforeseen complications. We determined that extended operation in fail-safe mode can cause significant drift in input offset voltage and may also affect the overall performance of the device. This finding does not align with our claim of high-performance products. Therefore, we strongly recommend not using part numbers starting with TS3121 in fail-safe mode. More precisely, please ensure that the voltage on input pins (pin 3 and pin 4) does not exceed the supply voltage VCC (pin 5).
5.2 Customer Benefit	QUALITY IMPROVEMENT

6. Marking of parts / traceability of change

6.1 Description	From DC332 (first TC 9Y332AAL)
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7. Timing / schedule

7.1 Date of qualification results	2026-04-02
7.2 Intended start of delivery	2026-05-20
7.3 Qualification sample available?	Not Applicable

8. Qualification / Validation

8.1 Description	16279 TS3121_Fail-Safe_Removal.pptx - Read-Only.pdf		
8.2 Qualification report and qualification results	Available (see attachment)	Issue Date	2026-04-03

9. Attachments (additional documentations)

16279 Public product.pdf
16279 TS3121 common datasheet 2026-03-26.pdf
16279 TS3121_Fail-Safe_Removal.pptx - Read-Only.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	
	TS3121AICT		
	TS3121AILT		
	TS3121AIYCT		
	TS3121AIYLT		
	TS3121ICT		
	TS3121ILT		
	TS3121IYCT		
	TS3121IYLT		

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