

Standardized Information for Process/Product Change Notification (PCN)

Form based on ENI - Revision 5.0

1. Product Change Notification [PCN] basic data					
Customer		Name Customer:			
		Contact Email address:			
1.1 Company		Site submitting the change:		Melexis Sofia	
		Affected site(s):	Melexis Sofia	Melexis Supplier	
1.2 PCN No.		MCM-18960			
1.3 Title of PCN		Active Second Source Final Test & Tape On Reel Melexis Sofia & Amkor [MLX81108]			
1.4 Product Category		Active Components - Integrated Circuits			
1.5 Issue date		31-May-2024			
1.6 Note in case of Pre-Initial PCN (optional)					
1.7 PCN revision history (optional)		1.8 Issue date of previous revision (optional)	1.9 Delta to previous revision (optional)		
Initial PCN		31-May-2024			
Updated PCN		02-Sep-2024		See changes in green in 7. Timing / schedule	

2. PCN Team		
2.1 Contact supplier		
2.1.1 Name		
2.1.2 Phone		
2.1.3 Email		
2.2 Team supplier (optional)		
2.2.1 Name (optional)	2.2.2 Phone (optional)	2.2.3 Email (optional)

3. Changes			
No.	3.0 Ident	3.1 Category	3.2 Type of change
#1	SEM-EQ-03	EQUIPMENT	Change in final test equipment type leading to a different test concept.
#2	SEM-TF-01	TEST FLOW	Move of all or part of electrical wafer test and/or final test to a different test site.
#3			
#4			
#5			

4. Description of change		
	Old	New
Change #1	XTD Tester in Melexis Gravity Handler in Melexis	Teradyne ETS-800 in Amkor Strip testing in Amkor
Change #2	Electrical Final Test & Tape On Reel location: Current released location: <b>Melexis Sofia</b>	Electrical Final Test & Tape On Reel location: Current released location: <b>Melexis Sofia + Amkor</b>
Change #3		
Change #4		
Change #5		
4.1 Anticipated impact on form, fit, function, reliability or processability?	No impact	

4.2 Anticipated impact on order code	No impact, current order codes remain valid
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**5. Reason / motivation for change**

5.1 Motivation	As a responsible and future oriented player, Melexis is protecting it's customers. This includes to secure the supply chain against environmental and/or material based events (contingency plan). The increase in business leads to demand beyond <b>Melexis Sofia</b> capability.
5.2 Additional explanation (optional)	

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

6.1 Description	No change in the marking of the parts. Traceability ensured by lot number and datecode through the Melexis ERP system.
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**7. Timing / schedule**

7.1 Date of qualification results	End of Q4 2024	
7.2 Last order date (optional)		
7.3 Last delivery date (optional)		
7.4 Intended start of delivery	Q1 2025	Please contact your Customer Relations responsible for detailed information. Note that the start of delivery can shift depending on
7.5 Qualification samples available?	Available end of Q4 2024 Samples can be requested through pcn_mlx@melexis.com	
7.6 Customer feedback required until	16-Sep-2024	Please provide your initial feedback through the 'Customer Feedback' sheet as acknowledgement

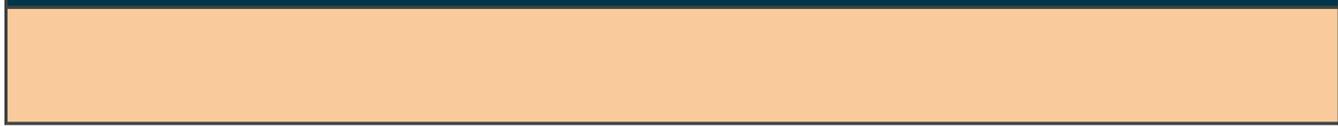
**8. Qualification / validation**

8.1 Description (e.g. qualification or validation plan/report)	According to ZVEI Delta Qualification Matrix and AEC-Q100. See point 10. [Attachments]		
8.2 Qualification report and qualification results	Will be available at date:	issue date	End of Q4 2024 (expected)

**9. Input to customer for risk assessment process**

Amkor "Second Source location" test solution will have execution and coverage, 100% of the test solution, currently implemented in MLX.  
Tape on reel (TOR) will have the same specification criteria in Amkor as the one currently implemented in MLX.  
Packaging will have the same specification in Amkor, as the currently implemented in MLX.  
Logistic control remains unchanged at Melexis.  
Manufacturing and BOM [Bill of Material] remains unchanged.

**10. Attachments (e.g. new datasheet, additional documentation, pictures, process flow, sample plan, ...)**



**11. Affected parts**

11.1 Current						11.2 New (if applicable)			
11.1.1 Customer Part No.	11.1.2 Supplier Part Name	11.1.3 Supplier Part No. (optional)	11.1.4 Package Name	11.1.5 Part Description (optional)	11.1.6 Additional Part Information (optional)	11.2.2 Supplier Part Name	11.2.3 Supplier Part No. (optional)	11.2.4 Package Name	11.2.6 Additional Part Information (optional)
NA	MLX81108KDC-CAE-000-RE		SOIC8 GR						

