


**1. Product Change Notification [PCN] basic data**

Customer		Name Customer:					
		Contact Email address:					
1.1 Company		Site submitting the change:		Melexis Erfurt			
		Affected site(s):		Melexis Erfurt			
1.2 PCN No.		MCM-5181					
1.3 Title of PCN		MLX80050 family - metal redesign					
1.4 Product Category		Active Components - Integrated Circuits					
1.5 Issue date		08-Jun-2020					
1.6 PCN revision history (optional)		1.7 Issue date of previous revision (optional)		1.8 Delta to previous revision (optional)			

**2. PCN Team**

2.1 Contact supplier	
2.1.1 Name	Lisa Vanheerswyngiels
2.1.2 Phone	+32 57 22 62 07

2.1.3 Email	pcn_mlx@melexis.com	
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-DE-02	DESIGN	Design changes in routing .
#2	SEM-DS-02	DATA SHEET	Correction of data sheet or issue of errata
#3			
#4			
#5			

4. Description of change		
	Old	New
Description #1	1. NRES pulses during state transition from 'Silent Mode' to 'Normal Mode' or 'Standby' 2. Device stays in 'Standby Mode' after standby timeout 3. No IDDQ test	1. Fixed NRES pulses during state transition from 'Silent Mode' to 'Normal Mode' or 'Standby' 2. Devices enters 'Sleep mode' after standby timeout 3. IDDQ test implemented

Description #2	Dataheet rev12	Datasheet rev13. Only change new order codes for re-design version.
Description #3		
Description #4		
Description #5		
4.6 Anticipated impact on form, fit, function, reliability or processability?	No impact on form, fit, function, reliability or processability.	
4.7 Reference parts with customer number (optional)		

### 5. Reason / motivation for change

5.1 Motivation	Fixing of minor issues and increase of test coverage [see description #1].	
5.2 Additional explanation (optional)		

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

6.1 Description	Traceability through new order code, lot number and date of availability.	
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### 7. Timing / schedule

7.1 Date of qualification results	17-Apr-2020	
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7.2 Last order date (optional)		
7.3 Last delivery date (optional)		
7.4 Intended start of delivery	After inventory depletion of the current version. Please check with customer relations for details.	Please contact your Customer Relations responsible for detailed information
7.5 Qualification samples available?	Yes available	
	Samples can be requested through pcn_mlx@melexis.com	
7.6 Customer feedback required until	19-Jun-2020	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 ...)	Characterization finished. PPK study will be available 17.04.2020		
8.2 Qualification report and qualification results	Will be available at date:	issue date	17-Apr-2020

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

1. Minor issues could not be completely fixed with re-design
  - 1.1 Mitigation : Characterization on IC level at Melexis done and successful.
2. Mix of design versions
  - 2.1 Mitigation : New design has new order code
  - 2.2 Mitigation : Full traceability via lots numbers.

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

