

**Process Change Notification - PCN**

Customer: DIGI-KEY

Melexis Site Affected:  Erfurt - Germany  Ieper - Belgium  Sofia - Bulgaria

Subject: Modification of minimum quantity of parts in tube

PCN number: 31256141419 Issue Date: 18-Dec-14

Melexis contact: Position Senior Distribution Relations e-mail: [gmm@melexis.com](mailto:gmm@melexis.com)  
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Affected Process(es): Packing

Melexis device name(s) : \* see page 2  
\* For multiple references, please see page 2

Customer device name(s):\* see page 2

**1. Description and Purpose of change**

For shipment made in tubes, we will adapt the minimum packing quantity to the automatic handling tools capability. Special sensors are added to detect the color tubes on the handler. The automatic exit is now detected if the tube are transparent or black. Therefore, the sensor location is lower than previously. As result the quantity of good parts that can contain a standard tube is lower. Please see table in annex with corresponding quantities per package type

**2. Type Of Change ( reference PPAP 4. edition table 3.1 )**

X	<b>1.</b> Use of other construction or material than was used in the previously approved part or product	<b>6.</b> Product produced after the tooling has been inactive for volume production for twelve months or more
	<b>2.</b> Production from new or modified tools (except perishable tools), dies, molds patterns, etc. including additional or replacement tooling	<b>7.</b> Product and process changes related to components of the production product manufactured internally or manufactured by suppliers
	<b>3.</b> Production following upgrade or rearrangement of existing tooling or equipment	<b>8.</b> Change in test/inspection method - new technique (no effect on acceptance criteria)
	<b>4.</b> Production from tooling and equipment transferred to a different plant site or from an additional plant site	<b>9.</b> Additionally, for bulk materials: New source of raw material from new or existing supplier
	<b>5.</b> Change of supplier for parts, non-equivalent materials, or services (e.g., heat-treating, plating)	<b>10.</b> Additionally, for bulk materials: Change in product appearance attributes

**3. Risk Assessment and Planning :**

Scheduled change date: 1-Jan-15

Current product available until: \_\_\_\_\_ Qty: \_\_\_\_\_ pcs

Sample availability: N/A Qty: \_\_\_\_\_ pcs

Risk assessment:  
No risk - this change is to lower the current risk by adding component manually in the tubes

**4. Change Category**

[ ]	Customer approval requested
[ x ]	Notification to customer

**5. Approval**

**Melexis approval** **Product Quality Assurance Manager: Gwenaelle Page**

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**Your approval is kindly requested by signing the documents and returning it to Melexis by: N/A**  
*Lack of acknowledgment of the PCN within 30 days constitutes acceptance of this change*

Customer: signature \_\_\_\_\_ date: \_\_\_\_\_

Name \_\_\_\_\_ e-mail: \_\_\_\_\_

Position \_\_\_\_\_ phone: \_\_\_\_\_

**6. Attachments**

[ ]	Customer specific template (if requested)
[ x ]	Multiple part number sheet
[ ]	Data (qualification plan, qualification report, etc ...)
[ x ]	Others (precise: list package / qty per tube )



Melexis confidential and proprietary  
Annex to PCN# 31256141419

**Process Change Notification - PCN**  
**Multiple part Number sheet**

Melexis part Number	Customer part Number	Package type	Current qty/tube	Future qty/tube
MLX75305KXD-ABA-000-TU		SO8 150mil	90	80
MLX75305SXD-ABA-000-TU		SO8 150mil	90	80
MLX80020KDC-BAA-000-TU		SO8 150mil	90	80
MLX81108KDC-CAA-000-TU		SO8 150mil	90	80
MLX90293LGO-ABL-000-TU		TSSOP16 173mil	90	80
MLX90316xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90324xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90333xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90333xGO-xxx-xxx-TU		TSSOP16 173mil	90	80
MLX90360xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90360xGO-xxx-xxx-TU		TSSOP16 173mil	90	80
MLX90363xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90363xGO-xxx-xxx-TU		TSSOP16 173mil	90	80
MLX90365xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90365xGO-xxx-xxx-TU		TSSOP16 173mil	90	80
MLX90367xDC-xxx-xxx-TU		SO8 150mil	90	80
MLX90367xGO-xxx-xxx-TU		TSSOP16 173mil	90	80
MLX91204KDC-ABA-001-TU		SO8 150mil	90	80
MLX91205KDC-xxx-xxx-TU		SO8 150mil	90	80
MLX91206LDC-xxx-xxx-TU		SO8 150mil	90	80
MLX91207LDC-CAA-xxx-TU		SO8 150mil	90	80
MLX91802KXZ-DBU-000-TU		SO16 300mil	45	39
TH72012KDC-BAA-000-TU		SO8 150mil	90	80
TH8056KDC-AAA-008-TU		SO8 150mil	90	80
TH8056KDC-AAA-014-TU		SO14 150mil	50	45

Package type	Actual Qty	New Qty
<b>118 mil</b>		
TSSOP	100	90
<b>150 mil</b>		
SO 08	90	80
SO 14	50	45
SO 16	45	40
SSOP 150mil	90	80
<b>173 mil</b>		
TSSOP 08	150	130
TSSOP 14	90	80
TSSOP 16	90	80
TSSOP 20	74	65
TSSOP 24	55	45
TSSOP 28	45	40
<b>209 mil</b>		
SSOP 14	70	64
SSOP 16	70	64
SSOP 20	65	55
<b>300 mil</b>		
SO 16	45	39
SO 20	35	30
SO 24	30	25
SO 28	25	22
SSOP 36	30	26
SSOP 44	25	22