# Product / Process Change Notification

## N° 2008-182-B !! UPDATE !!

**Dear Customer**,

Attached please find an updated PCN 2008-182-A for your attention.

## Implementation of halogen-free[1)] mold compound for dedicated CoolMOS™ and OptiMOS® products assembled in lead-free packages TO220, TO251, TO252 and TO262

If you have any questions, please do not hesitate to contact your local Sales office.

Disclaimer:

**If we do not receive any response by the date in the PCN below we consider this as the acceptance of the PCN. After the last order date as stated herein, purchase orders related to the unchanged product(s) cannot be accepted.**
**In case the customer rejects this PCN this PCN shall be considered a product discontinuation notice (PD).**

# Product / Process Change Notification

## N° 2008-182-B !! UPDATE !!

- Updated Information **in BLUE TYPE**
- Original PCN N° 2008-182-A dated 13.12.2008

**SUBJECT OF CHANGE:**

Implementation of halogen-free[1)] mold compound:

[1)] **Note**

Infineon products defined as halogen-free according to IEC 61249-2-21 meet the following requirements:

- 900 ppm maximum Chlorine
- 900 ppm maximum Bromine
- 1500 ppm maximum sum of Chlorine and Bromine

All homogeneous materials in the final product defined as halogen-free according to IEC 61249-2-21 meet these voluntary substance thresholds defined by the International Electrotechnical Commission (IEC).

**PRODUCTS AFFECTED:**

Products assembled at site Infineon Technologies (Malaysia) Sdn. Bhd. in lead-free packages PG-TO220, PG-TO251, PG-TO252 and PG-TO262 as listed per sales code in attachment 1_cip08182_b.

**Affected product list updated by new ordering codes (SP numbers)**

**REASON OF CHANGE:**

To adequately react on the increasing customer requests for eco-friendly products.

# Product / Process Change Notification

## N° 2008-182-B !! UPDATE !!

| DESCRIPTION OF CHANGE: | OLD | NEW |
|---|---|---|
| Products assembled in package PG-TO251/TO252 | | |
| **Mold compound** | **MP 8000 CH4** | **CEL 800 JM1** |
| Products assembled in package PG-TO220/TO262 | | |
| **Mold compound** | **MP 195H** | **EME E500 HA** |
| Exception: Products with sales code IPP60RxxxCP and IPI60RxxxCP in PG-TO220/TO262 | | |
| **Die Attach Solder** | **Pb2Sn2.5Ag** | **Sn25Ag10Sb** |
| **Mold Compound** | **KMC 2110-7** | **EME E500 HA** |
| **Leadframe Plating** | **Full NiP** | **Selective NiP** |
| All products | | |
| **Marking** | **G in front of the date code** | **H in front of the date code** |
| **Barcode Label (BPL)** | **EAN Code39** | **Separated EAN Code128**<br>**Change in BPL design**<br>**Additional information such as halogen-free[1)] logo added** |

► **Note:**

**For a detailed matrix, kindly refer to attached affected product list 1_cip08182_a.**

**Detailed description regarding marking and barcode label change to be found in attached document 3_cip08182_a**

## PRODUCT IDENTIFICATION:

External traceability

On product level: Marking "H" in front of date code

On packing level: Change in label design including halogen-free logo

“  “

printed on barcode label

► Note:
For a detailed illustration, kindly refer to attachment 3_cip08182_a.

Internal traceability

Ensured via baunumber, lotnumber and date code.

# Product / Process Change Notification

## N° 2008-182-B !! UPDATE !!

### TIME SCHEDULE:

| | |
|---|---|
| ■ Final qualification report: | Attached. Kindly refer to attachment 2_cip08182_a. |
| ■ Final qualification report: | February 2009 |
| ■ First samples available: | Lead-types available.<br>All other types on request with a leadtime of 6 weeks from customer sample order till sample delivery. |
| ■ Start of delivery: | From March 2009 onwards.<br>Earlier deliveries on special customer agreement possible. |
| ■ Last order date of unchanged product: | 30.07.2009 |
| ■ Last delivery date of unchanged product: | 30.12.2009 |

### ASSESSMENT:

- Halogen-free according to IEC 61249-2-21
- No change in electrical performance as defined in already applied datasheets
- No change in quality and reliability

### DOCUMENTATION:

| | |
|---|---|
| 1_cip08182_b | List of affected products including changes and new ordering codes (SP numbers) |
| 2_cip08182_a | Final Qualification Plan with interim results<br>Will be substituted by the Final Qualification Report once available. |
| 3_cip08182_a | Customer Information Package (CIP):<br>Illustration of change in marking & labelling |
| 4_cip08.182_a.zip | Material Content Data Sheets |