

# PRODUCT INFORMATION LETTER

PIL MMS-MMY/14/8772 Dated 29 Oct 2014

LEAD FRAME MATERIAL CHANGE FOR UFDFPN8 AT CALAMBA

| Sales Type/product family label   | EEPROM assembled in UFDFPN8 2x3 mm at ST Calamba |  |
|---|--|--|
| Type of change  | Package assembly material change                 |  |
| Reason for change   | Lead frame material availability                 |  |
| Description   | Lead frame material change from EFTEC-64 to C194 |  |
| Forecasted date of implementation   | 22-Oct-2014                                      |  |
| Forecasted date of samples for customer   | 22-Oct-2014                                      |  |
| Forecasted date for <b>STMicroelectronics</b><br>change Qualification Plan results availability | 22-Oct-2014                                      |  |
| Involved ST facilities  | Back-End   |  |

| Name              | Function          |  |
|-------------------|-------------------|--|
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## **DOCUMENT APPROVAL**



## LEAD FRAME MATERIAL CHANGE FOR UFDFPN8 AT CALAMBA

## What is the change?

UFDFPN8 (2x3 mm) at ST Calamba (Philippines) will be manufactured with new lead frame material **C194 Copper alloy** instead of current EFTEC-64 (no change on lead frame finishing, being NiPdAu).

Current EFTEC-64 lead frame material composition: Cu: 99.17 to 99.36%

### New C194 lead frame material composition:

Cu: 97% min Fe: 2.5%

## Why?

Production of current EFTEC-64 material was stopped.

### When?

The production of the UFDFPN8 2x3 mm at ST Calamba with the new lead frame material C194 will start from date code Week 43 / 2014 (with a transition window between Week 43 and Week 47 before whole production shifts to frame with new material).

## How will the change be qualified?

The frame with new material has been qualified using the standard ST Microelectronics Corporate Procedures for Quality & Reliability. QRMMY1429 will be available Week 44 / 2014.

## What is the impact of the change?

- Form: no change
- Fit: no change
- Function: no change

### LEAD FRAME MATERIAL CHANGE FOR UFDFPN8 AT CALAMBA

## Appendix A- Product Change Information

| Product family / Commercial products:  | EEPROM assembled in UFDFPN8 2x3 mm at ST Calamba (Philippines)   All   Package assembly material change   Lead frame material availability   Lead frame material change from EFTEC-64 to C194   Week 43 / 2014 |  |
|--|--|--|
| Customer(s):   |  |  |
| Type of change:  |  |  |
| Reason for the change:   |  |  |
| Description of the change:   |  |  |
| Forecast date of the change:<br>(Notification to customer)                     |  |  |
| Forecast date of <u>Qualification samples</u><br>availability for customer(s): | N/A  |  |
| Marking to identify the changed product:                                       | N/A<br>Week 43 / 2014  |  |
| Estimated date of first shipment:  |  |  |

| Document Revision History |      |                             |
|---------------------------|------|-----------------------------|
| Date                      | Rev. | Description of the Revision |
| October 20, 2014          | 1.00 | First draft creation        |
|                           |      |                             |
|                           |      |                             |
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| Source Documents & Reference Documents |       |       |  |  |
|--|-------|-------|--|--|
| Source document Title                  | Rev.: | Date: |  |  |
|  |       |       |  |  |
|  |       |       |  |  |

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