

Customer Information Notification 2022070031

Issue Date: 15/07/2022
Effective Date: 31/07/2022

Management Summary

To improve single die traceability on PQFN 8x8 packages a 2D data matrix code is added to the product marking.

- Change Category**
- | | | | |
|--|---|--|--|
| <input type="checkbox"/> Wafer Fab process | <input type="checkbox"/> Assembly Process | <input checked="" type="checkbox"/> Product Marking | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab materials | <input type="checkbox"/> Assembly Materials | <input type="checkbox"/> Electrical spec./Test coverage | <input type="checkbox"/> Mechanical Specification |
| <input type="checkbox"/> Wafer Fab location | <input type="checkbox"/> Assembly Location | <input type="checkbox"/> Test Location | <input type="checkbox"/> Packing/Shipping/Labeling |

Single Die Traceability (2D Data Matrix Code Marking) Implementation for Molded PQFN

Information Notification

With Ampleon’s Single Die Traceability System on the PQFN 8X8 package, units are now 100% traceable down to the die level, to its x-y coordinate in the wafer, each process step’s signature as far as strip map bin and rejections can be mapped for process yield improvement, and many any other analysis can be derived from this system including test data for each individual unit.

- The following changes to the marking are applied:
- (1) a 2D data matrix code is printed on the unit.
 - (2) The Ampleon logo is replaced by the Ampleon Wave-M.
 - (3) The first 3 characters of the device name are removed. (4) The batch number is followed by a 5-digit Unit ID.

For additional info see attached presentation in the ePCN tool.

Why do we issue this Information Notification

To inform the customer of the visible update of the product marking

Identification of affected Products

Top side marking

Impact

- | | |
|------------------------------------|--|
| Data Sheet Revision | No impact to existing datasheet |
| Disposition of Old Products | Existing inventory will be shipped until depleted. |

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact [Ampleon "Quality Support Team"](#).
 For all Quality Notification content inquiries, please contact your local Ampleon Sales Support team.
 For specific questions on this notice or the products affected please contact our specialist directly:

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At Ampleon we are dedicated to creating optimal value for our customers.
 Ampleon Quality Management Team.