



Final Product Change Notification

202003043F01

Issue Date: 13-May-2020
Effective Date: 11-Aug-2020

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QUALITY

Management Summary

Cu Wire is being added as a wirebond material option for LPC5410x, LPC5411x and LPC51U68 in LQFP64 packages at assembly site NXP-ATKH.

Change Category

- | | | | | |
|--|--|---|---|---|
| <input type="checkbox"/> Wafer Fab Process | <input type="checkbox"/> Assembly Process | <input checked="" type="checkbox"/> Product Marking | <input type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input checked="" type="checkbox"/> Assembly Materials | <input type="checkbox"/> Mechanical Specification | <input type="checkbox"/> Test Process | <input type="checkbox"/> Errata |
| <input type="checkbox"/> Wafer Fab Location | <input type="checkbox"/> Assembly Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |
| <input type="checkbox"/> Firmware | <input type="checkbox"/> Other | | | |

LPC5410x, LPC5411x, LPC51U68
LQFP64 Package Cu Wire
Qualification for NXP-ATKH

Description of Change

Copper wire has been qualified and will be added as a wirebond material. Upon effective date, NXP will begin shipping product with copper wire.

Die attach glue and mold compound have been upgraded to support copper wire.

See attached Self Qualification Reports (SQR) for details of the reliability qualification test results.

Samples of the following superset part numbers will be available:

LPC54114J256BD64
LPC54102J512BD64
LPC51U68FBD64

Reason for Change

Adding Copper wire is for supply assurance.

Identification of Affected Products

Top side marking

Product version is incremented. See marking details in attached Self Qualification Report (SQR) document.

Product Availability

Sample Information

Samples are available from 22-May-2020

Production

Planned first shipment 09-Aug-2020

Anticipated Impact on Form, Fit, Function, Reliability or Quality

The top side marking, wire composition, die attach glue and mold compound are the only changes. No Impact to fit, function or reliability.

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by 12-Jun-2020.

Contact and Support

For all inquiries regarding the ePCN tool application or access issues, please contact NXP "Global Quality Support Team".

For all Quality Notification content inquiries, please contact your local NXP Sales Support team.

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NXP Quality Management Team.

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Affected Part Numbers

LPC54101J256BD64QL

LPC54101J512BD64QL

LPC54102J256BD64QL

LPC51U68JBD64QL

LPC54114J256BD64QL

LPC54113J256BD64QL

LPC54102J512BD64QL