



Final Product Change Notification

202202023F01 : For LPC18x0 and LPC43x0, TSMC Will be Added as a Second Source Wafer Fab

Note: This notice is NXP Company Proprietary.

Issue Date: Feb 24, 2022 **Effective date:** May 25, 2022

Here is your personalized notification about a NXP general announcement.

Management summary

For LPC18x0 and LPC43x0 (Flashless), TSMC will be added as a second source wafer fab.

Change Category

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

PCN Overview

Description

For LPC18x0 and LPC43x0 products, The current wafer fab is UMC. TSMC has been qualified and will be added as a second source wafer fab.

- No change in data sheet
- No change in ordering part number / 12NC
- Final test location remains unchanged at NXP Assembly and Test Kaohsiung (ATKH)

Reason

To ensure wafer supply with increased capacity.

Identification of Affected Products

Top Side Marking

The wafer fab can be identified on the top side marking. The first character of the 3rd line in the top side marking is the fab code. E = TSMC, 9 = UMC

Product Availability

Sample Information

Samples are available upon request

Production

Planned first shipment May 19, 2022

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

No Impact on form, fit, function, reliability or quality

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

After the PCN effective date, customers may receive product from either wafer fab.

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by Mar 26, 2022.

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 Orderable Part#	Affected 12NC
LPC1820FET100,551	935293676551
LPC1810FET100,551	935293677551
LPC1830FET256,551	935293684551
LPC1830FET256K	935293684557
LPC1850FET256,551	935293685551
LPC18S50FET256,551	935296282551
LPC1830FET180,551	935296288551
LPC1850FET180,551	935296289551
LPC1830FBD144,551	935296302551
LPC1820FBD144,551	935296303551
LPC1820FBD144K	935296303557
LPC1830FET100Y	935296365518
LPC1830FET100,551	935296365551
LPC1810FBD144,551	935296953551
LPC18S10FBD144E	935304121551
LPC18S30FET256E	935304176551
LPC18S10FET100E	935304177551
LPC18S10FET180E	935305894551
LPC18S30FBD144E	935305902551
LPC18S30FET100E	935305907551
LPC18S50FET180E	935305909551
LPC1820FBD144/CPAE	935308406551
LPC1820FET100/CPAE	935308407551
LPC1830FET256/CPAE	935308408551
LPC1820FET100/3DK	935308563557
LPC1850FET256/CPAE	935309019551
LPC4310FET100,551	935294169551
LPC4320FET100,551	935294171551
LPC4330FET256,551	935294172551
LPC4350FET256,551	935294173551
LPC43S50FET256,551	935296279551
LPC4330FET100Y	935296291518
LPC4330FET100,551	935296291551
LPC4330FET180Y	935296292518
LPC4330FET180,551	935296292551
LPC4350FET180,551	935296293551
LPC4330FBD144Y	935296296518
LPC4330FBD144,551	935296296551
LPC4310FBD144,551	935296297551
LPC4320FBD144,551	935296299551
LPC4370FET256E	935299462551
LPC4370FET100E	935299571551
LPC4370FET100K	935299571557
LPC43S30FET256E	935299908551

LPC43S20FBD144E	935304122551
LPC43S30FBD144E	935304533551
LPC43S20FET180E	935305912551
LPC43S20FET180K	935305912557
LPC43S30FET100E	935305913551
LPC43S30FET100K	935305913557
LPC43S50FET180E	935305915551
LPC43S70FET100E	935305917551
LPC43S70FET256E	935306003551
LPC4370FET100/LTE	935376191551