



Customer Information Notification

202208019I : MC22XS4200DEK/R2 and MC50XS4200DEK/R2 Qualified in NXP ICN8 Wafer Manufacturing Site

Note: This notice is NXP Company Proprietary.

Issue Date: Sep 28, 2022 **Effective date:** Sep 29, 2022

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For detailed information we invite you to view this notification online

Management summary

Notification to inform customers of the successful qualification of LFET1T 65V technology products in NXP ICN8 Wafer Manufacturing Site, with new orderable part numbers.

MC22XS4200DEK/R2 (SPD22) and MC50XS4200DEK/R2 (SPD50)

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 checked="" type="checkbox"/> Other: Data Sheet Update (New Orderable Part Numbers) | | | |

PCN Overview

Description

NXP Semiconductors announces the qualification of new MC22XS4200DEK/R2 and MC50XS4200DEK/R2 LFET1T 65V technology products in NXP ICN8 Fab, located in Nijmegen, Netherlands. This site change affects the LFET1T power die only of the dual die product - no change to the control die, or Assembly / Test sites or processes. The new ICN8 sourced LFET1T products have completed qualification, and will be available for ordering using the new part numbers MC22XS4200DEK, MC22XS4200DEKR2, and MC50XS4200DEK, MC50XS4200DEKR2.

NXP ICN8 Fab was successfully qualified adhering to NXP specifications and AEC-Q100 rev.H / AEC-Q101 rev.D1 requirements.

Please reference the attached presentation for additional details on this qualification.
Please refer to the PPAP of each device qualified for additional details.

New data sheet MC22XS4200 revision 7.0 is attached, and may be obtained at <https://www.nxp.com/docs/en/data-sheet/MC22XS4200.pdf>

New data sheet MC50XS4200 revision 7.0 is attached, and may be obtained at

<https://www.nxp.com/docs/en/data-sheet/MC50XS4200.pdf>

Please reference the new data sheet revision history section for a complete list of changes.

In September 2020, NXP Semiconductors announced the decision to scale down operations at our Oak Hill Fab, located in Austin, Texas, through General Notification 202009009G. NXP LFET1T 65V technology products are directly impacted by this Oak Hill Fab scale down activity. Therefore, customers are encouraged to ensure last order quantities of previous part numbers MC22XS4200CEK, MC22XS4200CEKR2, and MC50XS4200CEK, MC50XS4200CEKR2 have been received by NXP, as these old part numbers have undergone End-of-Life / Discontinuation, with Last Time Buy Date Aug-2022 and Last Ship Date Dec-2023.

Reason

Qualification of LFET1T 65V Technology products in NXP ICN8 Fab, located in Nijmegen, Netherlands, is required for customer supply assurance with the announcement of the scale down operations at our Oak Hill Fab.

Identification of Affected Products

Replacement part type created, see Parts Affected list

New part numbers are created for ICN8 wafer fab products

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

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

Data Sheet Revision

A new datasheet will be issued

Additional information

Additional documents: view online

Related Notification

Notification	Issue Date	Effective Date	Title
202009009G	Sep 11, 2020		NXP Semiconductors Will Scale Down Operations at Oak Hill Fab

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.

For specific questions on this notice or the products affected please contact our specialist directly:

Name Xin Dong
Position Quality Engineer
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At NXP Semiconductors we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards. Customer Focus, Passion to Win.

NXP Quality Management Team.

About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) provides High Performance Mixed Signal and Standard Product solutions that leverage its leading RF, Analog, Power Management, Interface, Security and Digital Processing expertise. These innovations are used in a wide range of automotive, identification, wireless infrastructure, lighting, industrial, mobile, consumer and computing applications.

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Changed Orderable Part#	12NC	Product Type	Product Description	Package Outline	Package Description	Product Status	Customer Specific Indicator	New Orderable Part#	12NC New	Product Type New	Product Description New	Product Line	Notes
MC22X54200CEK2	934071643518	MC22X54200CEK2	24V 22MOHMH DUAL HI SIDE	HS032	SOT11746-4	DOD	No	MC22X54200CEK2	934072452518	MC22X54200CEK2	SP022 ICN8 Version	BLC3	Oak Hill Fab product MC22X54200CEK2 replaced by ICN8 Fab product MC22X54200CEK2
MC22X54200CEK	934071643574	MC22X54200CEK	24V 22MOHMH DUAL HI SIDE	HS032	SOT11746-4	DOD	No	MC22X54200CEK	934072452574	MC22X54200CEK	SP022 ICN8 Version	BLC3	Oak Hill Fab product MC22X54200CEK replaced by ICN8 Fab product MC22X54200CEK
MCS0K54200CEK2	934071654518	MCS0K54200CEK2	24V 50MOHMH DUAL HI SIDE	HS032	SOT11746-4	DOD	No	MCS0K54200CEK2	934072449518	MCS0K54200CEK2	SP050 ICN8 Version	BLC3	Oak Hill Fab product MCS0K54200CEK2 replaced by ICN8 Fab product MCS0K54200CEK2
MCS0K54200CEK	934071654574	MCS0K54200CEK	24V 50MOHMH DUAL HI SIDE	HS032	SOT11746-4	DOD	No	MCS0K54200CEK	934072449574	MCS0K54200CEK	SP050 ICN8 Version	BLC3	Oak Hill Fab product MCS0K54200CEK replaced by ICN8 Fab product MCS0K54200CEK