



Final Product Change Notification

202009011F01

Issue Date: 29-Sep-2020

Effective Date: 27-Dec-2020

Dear *Emma Tempest*,

Here's your personalized quality information concerning products Premier Farnell PLC purchased from NXP.

For detailed information we invite you to [view this notification online](#)

This notice is NXP Company Proprietary.



QUALITY

Change Category

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

S12ZVMx32/64/128 FAB SITE EXPANSION (NXP-ATMC to TSMC10)

Description of Change

NXP Semiconductors is announcing the introduction of Taiwan Semiconductor Manufacturing Company Fab 10 (TSMC10), Shanghai, China as a dual source wafer manufacturing location for the S912ZVML128/64/32 and S912ZVMC128/64.

NXP Semiconductors requires the use of Flex part numbers to maximize supply continuity. Without the use of Flex part numbers, backlog will have to be converted from one fab sourced device to another fab sourced device as capacity dictates.

The Data Sheet & Reference Manual for S912ZVML128/64/32 and S912ZVMC128/64 has been updated by adding the TSMC10 mask set (0P58A) in section 1.2.3 Functional Differences Between Masksets and section 1.6.2 Part ID Assignments.

The errata "S12ZVM128_3N95G, Mask Set Errata for Mask 3N95G" have been updated to cover both 3N95G and 0P58A mask sets.

The S912ZVML128/64/32 and S912ZVMC128/64 Data Sheet, Reference Manual and Errata is attached



with this notification or can be found at https://www.nxp.com/products/processors-and-microcontrollers/additional-mpu-mcus-architectures/s12-magniv-mixed-signal-mcus/s12zvm-mixed-signal-mcu-for-automotive-industrial-motor-control-applications:S12ZVM?tab=Documentation_Tab

Reason for Change

The Fab manufacturing site capacity expansion to TSMC10 will improve NXP's ability to meet increasing customer demand and still maintain supply from the original Fab (NXP-ATMC).

Identification of Affected Products

Top side marking

The Mask marking will change from N95G to P58A.

Part number will change with the Maskset Identifier Digit Set to L instead of F.

Product Availability

Sample Information

Samples are available from 13-Oct-2020

Please see the attachment "S12ZVMx32-64-128_ATMC to TSMC10 Fab Expansion_FPCN_Supplement" for sample part numbers available for ordering.

Production

Planned first shipment 04-Jan-2021

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

Disposition of Old Products

Fab Expansion. No Depletion of Inventory required.

Additional information

Affected products and sales history information: see attached file

Self qualification: [view online](#)

Additional documents: [view online](#)

Timing and Logistics

In compliance with JEDEC J-STD-046, your acknowledgement of this change is expected by 28-Oct-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.

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

Name Shuangna Tian

Position Product 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

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