



Advance Product Change Notification

201703018A

Issue Date: 07-Apr-2017

Here's your personalized quality information concerning products Digi-Key purchased from NXP. For detailed information we invite you to view this notification online



Change Category

☐ Wafer Fab Process	☐ Assembly Process	☐ Product Marking	☐ Test Location	☐ Design
☐ Wafer Fab Materials	☐ Assembly Materials	☐ Mechanical Specification	☐ Test Process	☐ Errata
☒ Wafer Fab Location	☐ Assembly Location	☐ Packing/Shipping/Labeling	☐ Test Equipment	☐ Electrical spec./Test coverage

PRE ALERT:
MC9S12G128 and
MC9S12G96 FAB
EXPANSION (ATMC to
TSMC3)

Details of this Planned Change

To meet the increasing demand for the MC9S12G128 and MC9S12G96, NXP is announcing the introduction of Taiwan Semiconductor Manufacturing Company Fab 3 (TSMC3), Hsinchu, Taiwan as a dual source wafer manufacturing location for this family. TSMC3 will be qualified with Copper wirebond material. Expected qualification of TSMC3 is July 2017. An update to this notification with qualification results will be issued at that time.

Supplemental information on Prototype Part numbers for sample orders, Key Dates for the Expansion, and the part number Nomenclature Decoder are attached.

Why do we Plan this Change

The Fab manufacturing site capacity expansion to TSMC3 will improve NXP's ability to meet increasing customer demand and still maintain supply from the original Fab (ATMC).

Identification of Affected Products

Top side marking

The Mask ID marking will change from 0N51A to 0N42V.

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

Product Availability

Sample Information

Samples are available from

Date above reflects Qual Intent samples.

Production

Planned first shipment 17-Oct-2017

Impact

no impact to the product's functionality anticipated.

Disposition of Old Products

Fab Expansion. No Depletion of Inventory required.

Timing and Logistics

The Self Qualification Report will be ready on 17-Jul-2017.

The Final PCN is planned to be issued on: 17-Jul-2017.

Your acknowledgement of this change, conform JEDEC JESD46 D, is expected till 07-May-2017.

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:

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Customer Focus, Passion to Win.

NXP Quality Management Team.

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NXP Semiconductors

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Name	Status	Product Line
S9S12G128F0MLF	935314492557	S9S12G128F0MLF	16BIT 128K FLASH	LQFP48	RFS	BL Auto Micro Processors
S9S12G128F0MLL	935318114557	S9S12G128F0MLL	16BIT 128K FLASH	LQFP100	RFS	BL Auto Micro Processors
S9S12G128F0CLH	935324447557	S9S12G128F0CLH	16BIT 128K FLASH	QFP64	RFS	BL Auto Micro Processors
S9S12G96F0MLL	935324446557	S9S12G96F0MLL	16BIT 96K FLASH	LQFP100	RFS	BL Auto Micro Processors
S9S12G96F0CLL	935324481557	S9S12G96F0CLL	16BIT 96K FLASH	LQFP100	RFS	BL Auto Micro Processors
S9S12G128F0CLL	935322126557	S9S12G128F0CLL	Au 16BIT 128K FLASH	LQFP100	RFS	BL Auto Micro Processors
S9S12G128F0MLH	935314928557	S9S12G128F0MLH	Au 16BIT 128K FLASH	QFP64	RFS	BL Auto Micro Processors