

Final Product Change Notification

201711001F01

Issue Date: 21-Jan-2018
Effective Date: 21-Apr-2018

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Management Summary

Introduce new matrix Lead frame for the SO16 (SOT109) package at ASEN (Suzhou, China)

Change Category

- | | | | | |
|----------------------------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------------------------|---------------------------------------------------------|
| <input type="checkbox"/> Wafer Fab Process | <input checked="" 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 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 |

Introduce new matrix Lead frame for the SO16 (SOT109) package at ASEN (Suzhou, China)

Details of this Change

Introduce new matrix Lead frame for the SO16 (SOT109) package at ASEN (Suzhou, China)

- Introduce IDF high density leadframe with locking holes for improved package quality

Why do we Implement this Change

- Capacity expansion in ASEN
- Quality improvement

Identification of Affected Products

Product identification does not change

The leadframe change can be identified by backward traceability of the product marking date code ASEN assembly location indicator suffix = "X", which is indicated on the reel and box label

Product Availability

Sample Information

Samples are available upon request

Samples are available upon request from the Logic sample store Nijmegen The Netherlands

Production

Planned first shipment 30-Mar-2018

Impact

- No change in datasheet, form, fit, function, quality or reliability anticipated
- No change in ordering code 12NC's and product type number

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Not applicable, capacity expansion

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 20-Feb-2018. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Contact and Support

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

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

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

Name Logic Customer Support

e-mail address logic.helpdesk@nexperia.com

At Nexperia B.V we are constantly striving to improve our product and processes to ensure they reach the highest possible Quality Standards.

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Changed Orderable Part#	Changed Part 12NC	Changed Part Number	Changed Part Description	Package Outline	Package Name	Status	Product Line
"74HC138D,653"	933713400653	74HC138D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74VHC595D,118"	935289512118	74VHC595D	8-bit serial shift register;3-state	SOT109-1	SO16	RFS	Logic and Protection
"74HC151D,653"	933713700653	74HC151D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4060D,653"	933714010653	74HC4060D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC259D,653"	933714650653	74HC259D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT366D,653"	933715160653	74HCT366D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT4051D,112"	933715300112	74HCT4051D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC597D,653"	933757330653	74HC597D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT594D,118"	935043390118	74HCT594D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74LV4094D,112"	935088040112	74LV4094D	LV/HC-MOS	SOT109-1	SO16	RFS	Logic and Protection
"74LVC157AD,112"	935260898112	74LVC157AD	LVC	SOT109-1	SO16	RFS	Logic and Protection
"74HCT165D,653"	933713790653	74HCT165D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC238D,652"	933714640652	74HC238D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4094D,653"	933714850653	74HC4094D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT4053D,118"	933715320118	74HCT4053D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT595D,118"	935009180118	74HCT595D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74AHC595D,118"	935265567118	74AHC595D	74AHC595	SOT109-1	SO16	RFS	Logic and Protection
"74HC4060D,652"	933714010652	74HC4060D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4053D,653"	933714840653	74HC4053D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT594D,112"	935043390112	74HCT594D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74LV4052D,118"	935175840118	74LV4052D	LV/HC-MOS	SOT109-1	SO16	RFS	Logic and Protection
"HEF4052BT,653"	933372950653	HEF4052BT	HEF	SOT109-1	SO16	RFS	Logic and Protection
"74HCT138D,653"	933713410653	74HCT138D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC166D,652"	933714550652	74HC166D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4051D,653"	933714820653	74HC4051D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4094D,652"	933714850652	74HC4094D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT4051D,118"	933715300118	74HCT4051D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT4052D,118"	933715310118	74HCT4052D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74LVC138AD,118"	935260745118	74LVC138AD	LVC	SOT109-1	SO16	RFS	Logic and Protection
"HEF4052BT,652"	933372950652	HEF4052BT	HEF	SOT109-1	SO16	RFS	Logic and Protection
"HEF4053BT,653"	933372960653	HEF4053BT	HEF	SOT109-1	SO16	RFS	Logic and Protection
"74HC157D,653"	933713740653	74HC157D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC165D,653"	933713780653	74HC165D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4051D,652"	933714820652	74HC4051D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT4053D,112"	933715320112	74HCT4053D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"HEF4051BT,653"	933372940653	HEF4051BT	HEF	SOT109-1	SO16	RFS	Logic and Protection
"74HC4053D,652"	933714840652	74HC4053D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC595D,112"	935009160112	74HC595D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC138D,652"	933713400652	74HC138D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC151D,652"	933713700652	74HC151D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC238D,653"	933714640653	74HC238D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC4052D,653"	933714830653	74HC4052D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT595D,112"	935009180112	74HCT595D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74LVC157AD,118"	935260898118	74LVC157AD	LVC	SOT109-1	SO16	RFS	Logic and Protection
"HEF4053BT,652"	933372960652	HEF4053BT	HEF	SOT109-1	SO16	RFS	Logic and Protection
"HEF4094BT,653"	933406660653	HEF4094BT	HEF	SOT109-1	SO16	RFS	Logic and Protection
"74HC139D,653"	933713500653	74HC139D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HC595D,118"	935009160118	74HC595D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection
"74HCT257D,653"	933713650653	74HCT257D	HC/HCT	SOT109-1	SO16	RFS	Logic and Protection