

**Final Product Change Notification**

201911004F01

**Issue Date:** 31-Dec-2019  
**Effective Date:** 30-Mar-2020

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**Management Summary**

- Introduce new matrix Lead frame for the SO16 (SOT109) package at ASEN (Suzhou, China)
- For the remaining SO16 (SOT109) product types (Phase 2)

**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 (Phase 2)

**Details of this Change**

Introduce new matrix Lead frame for the SO16 (SOT109) package at ASEN (ASE Group, Assembly & Test Plant Suzhou, China)

- Introduce IDF high density leadframe with locking holes for improved package quality
- Only for the remaining SO16 (SOT109) product types (Phase 2) See affected product type list
- Related notification (Previous PCN # 201711001F01) is fully implemented

**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-2020

## 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

## Related Notifications

### Notification Issue Date Effective Date Title

201711001F0121-Jan-2018 21-Apr-2018 Introduce new matrix Lead frame for the SO16 (SOT109) package at ASEN (Suzhou, China)

## Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 30-Jan-2020. 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.

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### Affected Part Numbers

74HC365D,652	74HC257D,653	HEF4060BT,652	74AHC157D,118	74HCT4017D,652
HEF4027BT,652	74HCT251D,653	HEF4040BT,652	74HCT4316D,118	74HCT123D,652
74AHCT595D,112	74HCT259D,653	74HC4017D,652	HEF4015BT,652	74HC4040D,653
74HC123D,652	74AHCT594D,118	74HCT597D,652	74LV165AD,118	HEF4794BT,118
74LV4060D,112	74HC4852D,118	74HC367D,653	74LV123D,112	74HCT123D,653
74HC365D,653	74HCT367D,653	HEF4021BT,653	74HCT238D,653	74LV595D,118
74HC175D,653	74HCT174D,653	74HC174D,653	HEF4040BT,653	74HC251D,653
74HCT109D,653	74HCT251D,652	74LV165D,118	74HCT597D,653	74HC4316D,653
HEF4027BT,653	74HC594D,112	74HCT4040D,652	74HCT4094D,118	74LVC139D,118
HEF4060BT,653	74LVC595AD,118	74HC123D,653	74HC153D,652	74HCT175D,653
74HCT4094D,112	74HCT238D,652	74HCT4851D,118	74LVC595AD,112	HEF4543BT,653
74HCT367D,652	HEF4017BT,653	74HC594D,118	HEF4021BT,652	74HC153D,653
74HC109D,652	74AHC123AD,118	74HC4017D,653	74HCT365D,653	74HC4040D,652