

Final Product Change Notification

202004003F01

Issue Date: 20-Jun-2020
Effective Date: 18-Sep-2020

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



Management Summary

Extend the package portfolio with the VSSOP8 (SOT765) package in addition to already released DHVQFN14/16/20/24, SO14/16/20 and TSSOP8/10/14/16/20/24/48 packages in ASEN

Change Category

- | | | | | |
|--|--|---|--|---|
| <input type="checkbox"/> Wafer Fab Process | <input checked="" type="checkbox"/> Assembly Process | <input checked="" type="checkbox"/> Product Marking | <input checked="" type="checkbox"/> Test Location | <input type="checkbox"/> Design |
| <input type="checkbox"/> Wafer Fab Materials | <input checked="" 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 checked="" type="checkbox"/> Assembly Location | <input type="checkbox"/> Packing/Shipping/Labeling | <input checked="" type="checkbox"/> Test Equipment | <input type="checkbox"/> Electrical spec./Test coverage |

Transfer of the VSSOP8 (SOT765) package to ASEN (ASE Group, Plant Suzhou China)

Details of this Change

Transfer of the VSSOP8 (SOT765) package from HANA (Hana Semiconductor Ayutthaya Thailand) to ASEN (ASE Group, Plant Suzhou China)

- Cu wire BOM selected to introduce zero delamination and Dark-Green (Halogen-free) products
- Qualified compliant to AEC-Q100
- No change of die
- No change in datasheet, form, fit, function, quality or reliability anticipated

Why do we Implement this Change

- Expansion of the package portfolio in ASEN
- Complete transfer to Dark-Green (Halogen-free) products
- Continuous quality improvement for legacy package by introducing zero delamination

Identification of Affected Products

- The traceability is given by the assembly location indicator suffix which is indicated on the reel and box label
- The change can be identified by backward traceability

Product Availability

Sample Information

Samples are available upon request
 Samples are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands

Production

Planned first shipment 18-Sep-2020

Impact

- No change in form, fit, function, quality or reliability anticipated
- No change in die (same electrical distribution)
- No change in datasheet and test limits
- No change in ordering code 12NC's

Data Sheet Revision

No impact to existing datasheet

Disposition of Old Products

Existing inventory will be shipped until depleted

Timing and Logistics

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 20-Jul-2020. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Remarks

Assembly location indicator suffix on the reel and box label:

"X"= ASEN (ASE Group Assembly & Test Plant Suzhou China)

"p"= HANA (Hana Semiconductor Ayutthaya Thailand)

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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<u>Affected Orderable Part#</u>	<u>Changed Part 12NC</u>
74AHC2G08DC,125	935275125125
74AHCT2G08DC,125	935275127125
74LVC2G125DC,125	935274507125
74LVC3G07DC,125	935275557125
74AHC2G125DC,125	935275128125
74HC3G14DC,125	935274768125
74AUP2G08DC,125	935280711125
74AUP1G74DC,125	935280717125
74LVC2T45DC,125	935284757125
74LVC3G06DC,125	935275555125
74AHCT2G125DC,125	935275131125
74AUP2G132DC,125	935280732125
74HCT2G125DC,125	935274707125
74LVC2G02DC,125	935274687125
74LVC2G86DC,125	935278826125
74LVC2G126DC,125	935274583125
74HCT3G34DC,125	935274779125
74HC2G02DC,125	935274814125
74AUP3G04DC,125	935280705125
74AUP2G32DC,125	935280713125
74AUP2G80DC,125	935280722125
74HC2G66DC,125	935274785125
74HC2G32DC,125	935274823125
74AUP2G00DC,125	935280706125
74AHC3G04DC,125	935274914125
74LVC2G53DC,125	935280382125
74LVC2G38DC,125	935273584125
74HCT3G04DC,125	935274776125
74HC2G08DC,125	935274803125
74AHCT2G126DC,125	935275135125
74HC2G00DC,125	935274812125
74AXP2T3407DCH	935306972125
74AUP2G79DC,125	935280719125
74LVC3G04DC,125	935275223125
74LVC3G14DC,125	935275559125
74LVC1G123DC,125	935295665125
74HC2G125DC,125	935274715125
74AVCH2T45DC,125	935283721125
74AUP2G126DC,125	935280729125
74LVC2G66DC,125	935274429125
74LVC2G241DC,125	935274509125
74AUP2G86DC,125	935280724125
74LVC1G74DC,125	935274973125
74LVCH2T45DC,125	935284761125
74AVC2T45DC,125	935283716125
XC7WH14DC,125	935289931125
74LVC2G74DC,125	935280391125

74LVC2G240DC,125	935274508125
74AHC2G126DC,125	935275134125
74AVC9112DCH	935690124125
74AUP2G02DC,125	935280708125
74LVC2G32DC,125	935274976125
74LVC2G00DC,125	935275224125
74LVC2G08DC,125	935274766125
74AHCT3G04DC,125	935274904125
74LVC3G17DC,125	935275563125
74LVC1G53DC,125	935279945125