



Product Change Notification

CN-202203039F

Issue date: 08 Jul 2022

Effective date: 09 Jan 2023

Here's your personalized quality information concerning products our customers and partners purchased from Nexperia.

For more details please contact your respective Nexperia CSR/AM.



Transfer TSSOP5/6 Picogate (-Q100) automotive products into zero delamination package on mature Strip to Strip production platform in ATSN (Nexperia Malaysia)

Change Category

☐ Wafer Fab Process

☒ Assembly Process

☐ Product Marking

☐ Mechanical Specification

☐ Test Location

☐ Design

☐ Errata

☐ Wafer Fab
Materials
☐ Wafer Fab
Location

☒ Assembly
Materials
☐ Assembly
Location

☐
Packing/Shipping/Labeling

☐ Test
Process
☐ Test
Equipment

☐ Electrical
spec./Test coverage

Details of this change

Transfer TSSOP5/6 Picogate automotive products from reel to reel into mature Strip to Strip (StS) production platform to achieve zero delamination

- Improve intrinsic package quality by transfer production to mature StS platform with enhanced mould compound
- Expand assembly production capacity Picogate TSSOP5/6
- BOM change for zero delamination performance
- No change in diffusion fab and assembly location

Qualification in accordance to the Automotive Electronics Council:

- AEC-Q100-rev. H Stress Test Qualification for Integrated Circuits
- AEC-Q006-rev. A Qualification requirements for Cu-wire interconnection

SQR_CN-202203039F.pdf: https://qcm.nexperia.com/Document/DOC-541129/SQR_CN-202203039F.pdf

Why do we implement this change?

- To improve the intrinsic package/product quality
- Introduce 0 delam package for TSSOP5/6 Picogate automotive products
- To support increased customer demand
- Order Lead-Time Improvement

Identification of affected products

The changed products can be identified by backward traceability of the product marking date code as well as on the reel and box labels

Management summary

Transfer TSSOP5/6 Picogate automotive (-Q100) products into zero delamination package on mature Strip to Strip production platform in ATSN (Nexperia Malaysia)

Product availability

Production

Planned first shipment: 01 Jan 2023

Existing inventory will be shipped until depleted

Sample information

Samples are available upon request

Impact

No impact to the product's functionality anticipated

Data sheet revision

No impact to existing datasheet

Feedback

Your acknowledgement of this change, conform JEDEC J-STD-046, is expected till 07 Aug 2022. Lack of acknowledgement of the PCN constitutes acceptance of the change.

Additional information

[View Change Notification Online](#)

Remarks

- No change in form, fit, function, quality or reliability anticipated. - No impact on the product's functionality anticipated. - No change in die (same electrical distribution). - No change in data sheet and test limits. - No change in ordering code 12NC (sales part number). - Samples are available upon request via Helpdesk+ from BG Analog & Logic ICs sample store in Nijmegen The Netherlands.

Contact and support

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:
pcn@nexperia.com

In case of distribution, please contact you distribution partner.

About Nexperia B.V.

We at Nexperia are the efficiency semiconductor company. We deliver over 90 billion products a year and as such service thousands of global customers, both directly and through our extensive network of channel partners. We are at the heart of billions of electronic devices in the Automotive, Mobile, Industrial, Consumer, Computing, and Communication Infrastructure segments.

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Affected Part Number(s)	Affected Part Number(s)	Affected Part Number(s)	Affected Part Number(s)
74AHC1G00GW-Q100H	74HC2G04GW-Q100H	74AHCT1G86GW-Q100,	74LVC1G18GW-Q100H
74AHC1G02GW-Q100H	74HC2G14GW-Q100H	74AUP1G00GW-Q100H	74LVC1G19GW-Q100H
74AHC1G04GW-Q100H	74HC2G17GW-Q100H	74AUP1G02GW-Q100H	74LVC1G27GW-Q100H
74AHC1G07GW-Q100H	74HC2G34GW-Q100H	74AUP1G04GW-Q100H	74LVC1G3157GW-Q10H
74AHC1G08GW-Q100,1	74HC2GU04GW-Q100H	74AUP1G06GW-Q100H	74LVC1G32GW-Q100H
74AHC1G09GW-Q100H	74HCT1G00GW-Q100H	74AUP1G07GW-Q100H	74LVC1G332GW-Q100H
74AHC1G125GW-Q100H	74HCT1G02GW-Q100,1	74AUP1G08GW-Q100H	74LVC1G34GW-Q100H
74AHC1G126GW-Q100H	74HCT1G08GW-Q100,1	74AUP1G09GW-Q100H	74LVC1G384GW-Q100H
74AHC1G14GW-Q100,1	74HCT1G32GW-Q100H	74AUP1G125GW-Q100H	74LVC1G38GW-Q100H
74AHC1G17GW-Q100H	74HCT1G86GW-Q100H	74AUP1G132GW-Q100H	74LVC1G57GW-Q100H
74AHC1G32GW-Q100,1	74HCT2G04GW-Q100H	74AUP1G175GW-Q100H	74LVC1G58GW-Q100H
74AHC1G4208GW-Q10H	74HCT2G14GW-Q100H	74AUP1G17GW-Q100H	74LVC1G66GW-Q100,1
74AHC1G4210GW-Q10H	74HCT2G17GW-Q100H	74AUP1G32GW-Q100H	74LVC1G79GW-Q100H
74AHC1G4212GW-Q10H	74HCT2G34GW-Q100H	74AUP1G34GW-Q100H	74LVC1G80GW-Q100,1
74AHC1G4214GW-Q10H	74LV1T04GW-Q100H	74AUP1G373GW-Q100H	74LVC1G86GW-Q100H

74AHC1G4215GW-Q10H	74LV1T34GW-Q100H	74AUP1G374GW-Q100H	74LVC1G97GW-Q100H
74AHC1G66GW-Q100H	74LVC1G00GW-Q100H	74AUP1G86GW-Q100H	74LVC1GU04GW-Q100H
74AHC1G79GW-Q100H	74LVC1G02GW-Q100H	74AUP1T08GW-Q100H	74LVC1GX04GW-Q100H
74AHC1G86GW-Q100,1	74LVC1G04GW-Q100H	74AUP1T34GW-Q100H	74LVC1T45GW-Q100H
74AHC1GU04GW-Q100H	74LVC1G06GW-Q100H	74AUP1T97GW-Q100H	74LVC2G04GW-Q100H
74AHCT1G00GW-Q100H	74LVC1G07GW-Q100H	74AUP1T98GW-Q100H	74LVC2G06GW-Q100H
74AHCT1G02GW-Q100H	74LVC1G08GW-Q100,1	74AUP1Z04GW-Q100H	74LVC2G07GW-Q100H
74AHCT1G04GW-Q100H	74LVC1G10GW-Q100H	74AUP2G04GW-Q100H	74LVC2G14GW-Q100H
74AHCT1G08GW-Q100,	74LVC1G11GW-Q100H	74AUP2GU04GW-Q100H	74LVC2G17GW-Q100H
74AHCT1G125GW-Q10H	74LVC1G125GW-Q100,	74AVC1T45GW-Q100H	74LVC2G34GW-Q100,1
74AHCT1G126GW-Q10H	74LVC1G126GW-Q100H	74AVCH1T45GW-Q100H	74LVC2GU04GW-Q100,
74AHCT1G14GW-Q100,	74LVC1G14GW-Q100,1	74HC1G00GW-Q100H	74LVCH1T45GW-Q100H
74AHCT1G17GW-Q100H	74LVC1G157GW-Q100H	74HC1G02GW-Q100,12	LSF0101GW-Q100H
74AHCT1G32GW-Q100,	74LVC1G16GW-Q100H	74HC1G08GW-Q100,12	NPS6000GW-Q100H
74AHCT1G66GW-Q100H	74LVC1G175GW-Q100H	74HC1G32GW-Q100H	NXB0101GW-Q100H
74AHCT1G79GW-Q100H	74LVC1G17GW-Q100,1	74HC1G86GW-Q100H	NXS0101GW-Q100H

