

CERTIFICATE OF COMPLIANCE – RoHS Declaration –

Nexperia B.V. declares that its semiconductor products, including all homogeneous materials used in their composition, are designed to be RoHS-compliant by meeting the requirements defined under Directive 2011/65/EU of 2011-07-21, amended by Directive (EU) 2015/863 of 2015-03-31, on the restriction of the use of certain hazardous substances in electrical and electronic equipment (EEE):

| RoHS-Restricted Substance | Permissible Limit on the Homogeneous Material Level |
|---|---|
| Cadmium (Cd) | 100 ppm (0.01 weight %) |
| Mercury (Hg) | 1000 ppm (0.1 weight %) |
| Hexavalent chromium (Cr ⁶⁺) | 1000 ppm (0.1 weight %) |
| Lead (Pb) | 1000 ppm (0.1 weight %) |
| Polybrominated biphenyls (PBBs) | 1000 ppm (0.1 weight %) |
| Polybrominated diphenyl ethers (PBDEs) <i>including decabromodiphenylether (decaBDE)</i> | 1000 ppm (0.1 weight %) |
| Bis(2-ethylhexyl) phthalate (DEHP) | 1000 ppm (0.1 weight %) |
| Butyl benzyl phthalate (BBP) | 1000 ppm (0.1 weight %) |
| Dibutyl phthalate (DBP) | 1000 ppm (0.1 weight %) |
| Diisobutyl phthalate (DIBP) | 1000 ppm (0.1 weight %) |

All Nexperia products are EU RoHS-compliant and bear the “RoHS-compliant” logo on the box label. Nexperia devices that contain no more than 0.1 % lead by weight per homogeneous material are assigned the RHF indicators G or D. These products can be recognized by the “Lead-free” logo on the box label. Nexperia products that contain RoHS-exempted lead are assigned the RHF indicators E or H and may make use of the following RoHS exemptions:

| RoHS Exemption | RoHS Exemption Description |
|----------------|--|
| 7(a) | Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead) |
| 7(c)-I | Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound |

The RHF indicator can be found on the respective product page, such as on the [product page of BAS16-Q](#) under “Environmental information”. Table 1 in the Appendix to this document lists all released packages using RHF indicators E or H and the information on whether the respective package makes use of RoHS exemption 7(a) and/or 7(c)-I, respectively.



To facilitate compliance checks and inform the public, we make product composition declarations available on our public website. The signature below verifies that the above statements, including any product composition data, are valid and accurate to the best of our knowledge and belief. Nexperia has implemented robust systems to ensure that our products comply with global environmental regulations and laws. In the event of any issues arising from information in this document, Nexperia's standard terms and conditions of sale shall apply, unless alternate contracts have been agreed upon in writing by both parties. For further details, please reach out to your Nexperia contact, get in touch with the nearest Sales office, or fill in the technical support form (after registration).

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APPENDIX

Table 1: Packages of Nexperia products that contain lead in concentrations exceeding 0.1 % w/w of any homogeneous material along with the applicability of RoHS exemption 7(a) and/or 7(c)-I, respectively.

| Package | RoHS exemption 7(a) | RoHS exemption 7(c)-I |
|------------|---------------------|-----------------------|
| SOD1001-1 | TRUE | TRUE |
| SOD1002-1 | TRUE | TRUE |
| SOD1003-1 | TRUE | TRUE |
| SOD123FL | TRUE | FALSE |
| SOD123HP | TRUE | FALSE |
| SOD123W | TRUE | FALSE |
| SOD123W-2 | TRUE | FALSE |
| SOD128 | TRUE | FALSE |
| SOD128FL-1 | TRUE | FALSE |
| SOD323HP | TRUE | FALSE |
| SOT1023 | TRUE | FALSE |
| SOT1023A | TRUE | FALSE |
| SOT1205 | TRUE | FALSE |
| SOT1210 | TRUE | FALSE |
| SOT1235 | TRUE | FALSE |
| SOT1289 | TRUE | FALSE |
| SOT1289B | TRUE | FALSE |
| SOT226C | TRUE | FALSE |
| SOT404 | TRUE | FALSE |
| SOT404A | TRUE | FALSE |
| SOT428 | TRUE | FALSE |
| SOT428C | TRUE | FALSE |
| SOT429 | TRUE | FALSE |
| SOT429-2 | TRUE | FALSE |
| SOT669 | TRUE | FALSE |
| SOT78 | TRUE | FALSE |
| SOT78A | TRUE | FALSE |
| SOT8000 | TRUE | FALSE |
| SOT8000A | TRUE | FALSE |
| SOT8005 | TRUE | FALSE |
| SOT8005A | TRUE | FALSE |
| SOT8017 | TRUE | FALSE |
| SOT8018 | TRUE | FALSE |
| SOT8021 | TRUE | FALSE |
| SOT8022 | TRUE | FALSE |
| SOT8038-1 | TRUE | FALSE |
| SOT8070-1 | TRUE | FALSE |
| SOT8071-1 | TRUE | FALSE |

Past Use of Exemptions

Glass diodes belonging to packages SOD27, SOD66, SOD68, and SOD80C made use of RoHS exemption 7(c)-I in the past. On 2024-03-26, Nexperia issued change notice CN-202310015F, titled "Change to Pb-free Glass Diodes". After the implementation of this CN on 2024-09-23, Nexperia's glass diodes no longer require RoHS exemption 7(c)-I.