

CERTIFICATE OF COMPLIANCE – China RoHS Declaration –

Nexperia B.V. confirms that all of its semiconductor products comply with China RoHS 2. Every homogeneous material either stays below the maximum-concentration values set out in national standard GB/T 26572 (and its amendments) or is covered by a valid exemption, and the products are placed on the market in accordance with the conformity-assessment and labelling rules defined in MIIT Order No. 32 ("Administrative Measures for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products", issued 6 Jan 2016, effective 1 Jul 2016).

CN 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 %)

All Nexperia products comply with China RoHS and carry the "RoHS-compliant" symbol on the outer packaging label. Devices whose homogeneous materials contain no more than 0.1 wt-% lead are identified by the RHF indicators **G** or **D** and display the "Lead-free" logo. Devices that contain lead under a recognized RoHS exemption are marked with the RHF indicators **E** or **H**; the applicable exemptions are shown in the table below.

RoHS Exemption CN	RoHS Exemption EU	Exemption Description
8.1	7(a)	High melting point solders (e.g., lead-based alloy solders with a lead content of more than 85% by weight)
8.3.1	7(c)-I	Ceramics and glass: used for electrical and electronic components other than dielectric ceramic capacitors (e.g., piezoelectronic devices, composite materials of glass and ceramics)

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 our letter on EU RoHS, available from the [Environmental Certifications](#) page, lists all released packages using RHF indicators E or H and the information on whether the respective package makes use of RoHS exemption 8.1 [EU RoHS: 7(a)] and/or 8.3.1 [7(c)-I], respectively.

China RoHS labelling rules (SJ/T 11364-2014) require every electrical or electronic part to display either the green “e” symbol or the orange “recycle-arrows” symbol together with an Environment-Friendly Use Period (EFUP) in years. Nexperia determines the symbol as follows:

- For products whose homogeneous materials contain no restricted substance above the limits in GB/T 26572 we apply the green “e” logo; because no regulated substance is present, the EFUP is indefinite.
- For products that contain lead above the 0.1 % threshold, the orange symbol is required. The EFUP is set at **50 years**, calculated in accordance with SJ/Z 11388 and based on accelerated moisture-ingress and thermal-aging data (JEDEC JESD47 / JEITA JEP001) which show that the encapsulation of our semiconductor packages remains intact for well beyond 50 years at normal operating temperatures. Fifty years is also the value adopted by most semiconductor manufacturers and is readily accepted by Chinese customs and market-surveillance authorities; using a harmonized figure avoids confusion in multi-vendor assemblies.

A first amendment to the limit-value standard (GB/T 26572-2011 Amendment No. 1, issued 29 June 2024) adds the four phthalates that were already restricted in EU RoHS:

CN RoHS-Restricted Substance	Permissible Limit on the Homogeneous Material Level
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 %)

The implementation notice issued on 2025-01-13 sets 2026-01-01 as the compulsory date for both the amended limit standard and the new labelling standard SJ/T 11364-2024. Already today, Nexperia’s semiconductor products comply with these requirements.

To facilitate compliance checks, detailed product-composition declarations are publicly available on our website. The undersigned certifies that the statements above, together with any accompanying composition data, are accurate to the best of our knowledge and belief. Nexperia operates robust management systems to ensure ongoing conformity with applicable environmental regulations worldwide. In the event of any issues arising from the information contained herein, Nexperia’s standard terms and conditions of sale apply unless superseded by a written agreement executed by both parties. For further information, please contact your usual Nexperia representative, reach out to the nearest [Sales Office](#), or submit a request via our [technical support form](#).

Sincerely,

Dr. Timo Stein
Manager ECO-Products
Nexperia B.V.