

DECLARATION OF COMPLIANCE - ELV Declaration -

Nexperia declares that its semiconductor products (including homogeneous components – pins, casings and internal parts) are designed to be:

- ELV compliant and meet the requirements of the EU-Directive 2000/53/EC (End of Life Vehicles, ELV) and its amendments.

Nexperia devices do not contain cadmium, mercury or hexavalent chromium above the allowable limits as defined in the End of Life Vehicles (ELV) Directive 2000/53/EC of the European Parliament dated 2000-09-18.

ELV Restricted Substance	Allowable Limit
Cadmium and its compounds	100 ppm (0.01 weight %)
Mercury and its compounds	1000 ppm (0.1 weight %)
Hexavalent chromium and its compounds	1000 ppm (0.1 weight %)
Lead and its compounds	1000 ppm (0.1 weight %)

Nexperia ELV compliant semiconductor devices contain no more than 0.1% lead (Pb) by weight per homogeneous material, or else the device may contain lead (Pb) for uses allowed by the ELV Directive. Any lead currently contained in these products meets the criteria for exemptions as found in Annex II of Commission Directive 2016/774/EU dated 2016-05-18. Nexperia might use any of the following ELV exemptions for ELV compliant semiconductor devices:

ELV Exemption	RoHS Exemption Reference	ELV Exemption Description
3	6(c)	Copper alloy containing up to 4% lead by weight
8(a)		Lead in solders to attach electrical and electronic components to electronic circuit boards and lead in finishes on terminations of components other than electrolyte aluminum capacitors, on component pins and on electronic circuit boards ¹ .
8(e)	7(a)	Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)
10(a)	7(c)-I	Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: - glass in bulbs and glaze of spark plugs, - dielectric ceramic materials of components listed under 10(c) and 10(d).

¹ Applies only to vehicles type approved prior 2016-01-01, and spare parts for these vehicles. Nexperia can offer lead-free termination packages for most of the devices that have terminations containing lead.

To facilitate customer requirements and to verify Nexperia product compliance, Nexperia product composition information is available here: <https://www.nexperia.com/quality/download-multiple-product-compositions.html>; for your convenience and immediate assistance a spreadsheet may be downloaded from this link, this document may be utilized for further processing in chemical management systems (e.g. IMDS).
For specific product details please contact eco-products@nexperia.com.



Roland König
Head of Customer Care
Nexperia B.V.