



Environmental Statement for IC Products

Renesas Design is committed to environmentally responsible practices within its own business and promoting such practices across its supply chain. Renesas Design controls the design and outsources manufacturing of its integrated circuit products. Renesas Design also performs assessments, including of its outsourced manufacturers, regarding RoHS and REACH requirements. Additional assessments are made to verify customer-specific requirements for managing hazardous substances.

Restriction of Hazardous Substances (RoHS)

Use of certain hazardous substances in electrical and electronic equipment is restricted by Annex II of Directive 2011/65/EU, as amended by Directive (EU) 2015/863 – Annex II (“RoHS”).

To the best of Renesas Design’s knowledge, its products are in compliance with RoHS.

RoHS restricted substances and their maximum concentration values tolerated by weight in homogeneous materials are as follows:

RoHS Restricted Substances	Chemical Symbol	Limit
Lead	Pb	1000ppm
Mercury	Hg	1000ppm
Cadmium	Cd	100ppm
Chromium +6	Cr +6	1000ppm
Polybrominated Biphenyls	PBB	1000ppm
Polybrominated Diphenyl Ethers	PBDE	1000ppm
Bis(2-ethylhexyl) phthalate	DEHP	1000ppm
Butyl benzyl phthalate	BBP	1000ppm
Dibutyl phthalate	DBP	1000ppm
Diisobutyl phthalate	DIBP	1000ppm

References:

- Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment
- Commission Delegated Directive (EU) 2015 / 863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances

Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

The microelectronic components manufactured on behalf of Renesas Design are considered to be “articles” under Regulation (EC) No. 1907/2006 (the “REACH Regulation”). As Renesas Design’s products do not release any substances during normal and reasonably foreseeable conditions of use, they are not subject to registration under the REACH Regulation, nor is Renesas Design required to notify the European Chemicals Agency (“ECHA”) under Article 7 of the REACH Regulation.

To the best of Renesas Design’s knowledge, Renesas Design’s products [and packing materials used for shipping these products] do not contain: (1) any substances included in the Substances of Very High Concern (SVHC) candidate list (SVHC) published by the ECHA in a concentration greater than the regulatory threshold of 0.1% percent; or (2) any substances listed in Annex XVII of the REACH Regulation above the regulatory thresholds.

References:

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- <https://echa.europa.eu/candidate-list-table>
- Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Conflict Minerals

Renesas Design supports international efforts to ensure that the mining and trading of tin, tungsten, tantalum and gold (“3TG”) from high-risk locations does not contribute to conflict and/or serious human rights abuses in the Democratic Republic of the Congo (“DRC”) and the Great Lakes region of Africa (or elsewhere). Although Renesas Design is not subject to the conflict minerals reporting requirements set out in Section 1502 of the US Dodd-Frank Wall Street Reform and Consumer Protection Act, many of its customers are. In this context,

Renesas Design assists its customers by providing them with the results of its conflict mineral assessments at its suppliers.

Renesas Design's Supplier Code of Conduct requires suppliers to complete and return information requests regarding the origin of any 3TG contained in products supplied to Renesas Design. In this regard, Renesas Design uses the Conflict Minerals Reporting Template ("CMRT"), which was created by the Responsible Minerals Initiative ("RMI") to facilitate the delivery of accurate information to customers about the country of origin and the location of smelters and refiners used by its outsourced manufacturers in their 3TG supply chain.

References:

- Dodd-Frank Wall Street Reform and Consumer Protection Act (Section 1502)
- Responsible Minerals Initiative's Conflict Minerals Reporting Template, always in its latest revision

Toxic Substances

Renesas Design products manufactured by our suppliers contain and use material, which does not contain any of the below listed 5 PBT substances as restricted under US Code of Federal Regulations title 40, part 751

- 2, 4, 6-tris(tert-butyl)phenol (2,4,6,-TTBP); CAS # 732-26-3
- Decabromodiphenyl ether (DecaBDE); CAS # 1163-19-5.
- Phenol, isopropylated phosphate (3:1) (PIP(3:1)); CAS # 68937-41-7
- Pentachloro-thio-phenol (PCTP); CAS # 133-49-3
- Hexachlorobutadiene (HCBd); CAS # 87-68-3

Reference:

- "Regulation of Certain Chemical Substances and mixtures under section 6 of The Toxic Substances Control Act" (TSCA).

Volatile Organic Compounds

To the best of our knowledge and based upon information of our suppliers and their raw material suppliers, Renesas Design is in compliance with the Volatile Organic Compound (VOC) regulation.

Reference:

- Directive 2004/42/CE on the limitation of emissions of volatile organic compounds.

Extended Minerals

Renesas Design has been working closely with our suppliers in understanding our supply chain for several metals not only CMRTs from our suppliers but also the Responsible Minerals Initiative Extended Minerals Reporting Template. The company also uses the Extended Minerals Reporting Template (“EMRT”) to facilitate the exchange of information through the supply chain regarding mineral country of origin and processors being utilized, and to exercise due diligence in accordance with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas.

Reference:

- Developed by the Responsible Minerals Initiative (RMI), combining CRT (Cobalt Reporting Template) with ethically sourcing Mica reporting, currently EMRT 1.11

Contact

If you need further information regarding the subject matter of this Environmental Statement, please submit your enquiry to DLG-EnvironmentalQuality@lm.renesas.com, or contact the individual listed below:

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