

Silicom Material Declaration

(RoHS2, RoHS3, China RoHS & Taiwan RoHS)

Silicom, Ltd
14 Atir Yeda str., Kfar Sava, 44000, Israel
Tel: (972)-9-7644555

4 November 2021

All Products

This is to certify that based on information obtained from our component suppliers the parts/products listed above and all Silicom products in general comply with the EU RoHS and RoHS2 Directive (2011/65/EU), RoHS3 Directive (EU) 2015/863 and Amendments, including Directive Of The European Parliament And Of The Council on the restriction of the use of certain hazardous substances in electrical and electronic equipment (Recast) from 27th of May 2011 and of the Council of 8 June 2011, comply with REACH regulation with regard to the Substances of Very High Concern (SVHC), doesn't include any OLD materials, greenhouse gases and substances, as following:

1. Silicom products are Pb, Hg, CrVI, PFOS, PFOA, Deca-BDE, DEHP, BBP, DBP & DIBP free, and the levels conform to the requirements of the EU RoHS2 Directive 2011/65/EU & RoHS3 Directive (EU) 2015/863, may have exemptions 7(c) I, 6(a)1, 6(c) & 7(a)
The following table lists the restricted materials and their respective allowable limits:

RoHS3 Restricted Substance	Allowable Limit (at homogenous material level)
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 %)
Polybrominated biphenyls (PBB)	1000 ppm (0.1 weight %)
Polybrominated diphenyl ethers (PBDE)	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 %)

2. All Silicom products comply with:
 - a. China RoHS Directive EIS SJ/T11364-2006
 - a. Taiwan RoHS

(Part Name)	(Toxic or Hazardous Substances and Elements) 					
	(Pb)	(Hg)	(Cd)	(Cr6+)	(PBB)	(PBDE)
Metal Parts (including fasteners)	0	0	0	0	0	0
Printed circuit assemblies and components	X	0	0	0	0	0
Plastic and Polymeric parts	0	0	0	0	0	0
Other electronic assembly besides PCB	X	0	0	0	0	0

0: indicates that this toxic or hazardous substances contained in all the homogeneous material for this part is below the limit requirement (0.1%)

x: indicates that this toxic or hazardous substances contained in at least one of the homogeneous materials used for this part is above the limit requirements under relevant exemptions.

* Note that some of the components type listed above may or may not be part of the enclosed product.

* This declaration is based on declarations from our components and material manufactures.

1. Silicom and its subcontractors intentionally do not use PFOS, PFOA and Deca-BDE in the assembly and test manufacturing processes legislated under the provisions of the European Parliament and Council Directive 2006/122/EC (30th amendment to EU Directive 76/769/EEC).
2. Silicom and its subcontractors do not use materials (original or replacement) that contain asbestos, AZO colorants, any ozone layer depleting substances (The current list of Ozone Depleting Chemicals can be found in the attached **Table 1**), polychlorinated biphenyls (PCBs), polychlorinated terphenyls (PCTs), and radionuclides.

Table 1

<u>Common Name</u>	<u>Chemical Nomenclature</u>
CFC-11	Trichlorofluoromethane
CFC-12	Dichlorodifluoromethane
CFC-113	Trichlorotrifluoroethane
CFC-114	1,2-dichloro-1,1,2,2-tetrafluoroethane
CFC-115	Chloropentafluoroethane
Halon 1211	Bromochlorodifluoromethane
Halon 1301	Bromotrifluoromethane
Halon 2402	Dibromotetrafluoroethane
Carbon Tetrachloride	Tetrachloromethane
Methyl Chloroform	1,1,1-trichloroethane
CFC-13	Chlorotrifluoromethane (CF ₃ Cl)
CFC-111	Pentachlorofluoroethane (C ₂ FCl ₅)
CFC-112	Tetrachlorodifluoroethane (C ₂ F ₂ Cl ₄)
CFC-211	Heptachlorofluoropropane (C ₃ FCl ₇)
CFC-212	Hexachlorodifluoropropane (C ₃ F ₂ Cl ₆)
CFC-213	Pentachlorotrifluoropropane (C ₃ F ₃ Cl ₅)
CFC-214	Tetrachlorotetrafluoropropane (C ₃ F ₄ Cl ₄)
CFC-215	Trichloropentafluoropropane (C ₃ F ₅ Cl ₃)
CFC-216	CFC-216 – Dichlorohexafluoropropane (C ₃ F ₆ Cl ₂)
CFC-217	Chloroheptafluoropropane (C ₃ F ₇ Cl)

Silicom has a comprehensive Environmental Management System (EMS) to ensure that Silicom’s operations and services meet or exceed relevant environmental laws and regulations

CALIFORNIA PROPOSITION 65 PRODUCT COMPLIANCE

Under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (known as Proposition 65 or “Prop 65”), the State of California creates and updates annually a list of chemicals known by the State of California to cause cancer or reproductive toxicity (“Prop 65 List”).

Prop 65 requires “clear and reasonable” warnings to be given if, in the course of doing business, a person knowingly and intentionally exposes an individual in California to a chemical on the Prop 65 List. Prop 65 also prohibits knowingly discharging or releasing a chemical on the Prop 65 List such that it is likely to, or will, enter any California drinking water source.

Based upon Silicom’s current level of knowledge of our internal business operations and chemicals used and according to our supplier’s declarations, Silicom’s products do not require a Proposition 65 warning label.

Silicom does not control or have knowledge of the end uses or specific applications of our products by our customers.

The decision to include or not include a Proposition 65 notice (label) must ultimately rest with the customer utilizing Silicom’s products

***** We recommend our customers to use the following warning to California customers**

 **WARNING:** Cancer and Reproductive Harm – www.P65Warnings.ca.gov

Additional information concerning Proposition 65 can be found at the following web site: <https://oehha.ca.gov/proposition-65/proposition-65-list>
<https://oehha.ca.gov/proposition-65>



David Kashper
Director, QA & EMS