



SerDes Compliance to RoHS Directives

Sierra Monolithics Inc. (“SMI”) is committed to protecting its employees and the environment from hazards related to our products and activities related by complying with all applicable environmental, government, safety, health laws and regulations of the international community. This shall be accomplished by the participation of all employees and suppliers through the promotion of environment, safety and health awareness, and pollution prevention programs to continuously work towards a pollution-free environment.

Sierra Monolithics Inc. (“SMI”) certifies, to its knowledge, the OC-768 products listed below conform to the requirements of the European Union’s Restriction on Use of Hazardous Substances in Electrical and Electronic Equipment Directive 2002/95/EC with the technology exemption (RoHS-5) described in paragraph 11. The exemption category in Annex IA of the European Union’s Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC for our product is IT and Telecom Equipment. The sub-categories in ANNEX IB are the following: 1) Other Equipment used for Communicating Information by Electronic Means; and 2) Other Equipment for Transmitting Information by Telecommunications

The six (6) substances and maximum allowable limits are described in the European Union’s Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC and listed in Table 1.

Products:
 SMI4024C
 SMI4034C

Definition	Substances	Maximum Allowable Limit
RoHS – 6 Compliant	Lead (Pb)	1000 ppm
	Mercury (Hg)	1000 ppm
	Cadmium (Cd)	100 ppm
	Hexavalent Chromium (Cr+6)	1000 ppm
	Polybrominated Biphenyl (PBB)	1000 ppm
	Polybrominated Diphenyl Ether (PBDE)	1000 ppm

Table 1: WEEE Restricted Substances

From a technical point of view, lead (Pb) is used in the all OC-768 products listed above. All of the other 5 substances, to SMI’s knowledge, are in compliance with the European Union’s directives mentioned above. Table 2 shows the quantities used of all 6 substances present in the referenced products.



Definition	Substances	Product Content
	Lead (Pb)	111072 ppm
RoHS – 5 Compliant	Mercury (Hg)	0 ppm
	Cadmium (Cd)	0 ppm
	Hexavalent Chromium (Cr+6)	0 ppm
	Polybrominated Biphenyl (PBB)	0 ppm
	Polybrominated Diphenyl Ether (PBDE)	0 ppm

Table 2: OC-768 Materials and Quantities

This definition is restricted only to the product and does not include packaging materials such as IC trays, plastic bands, plastic covers, paper-based boxes, blister tapes, etc.

References

RoHS (Directive 2002/95/EC)

http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00190023.pdf

WEEE (Directive 2002/96/EC)

http://europa.eu.int/eur-lex/pri/en/oj/dat/2003/l_037/l_03720030213en00240038.pdf

Notwithstanding any of the above, information provided by SMI on its website or in this or other communications concerning the substance content or its products represents our knowledge and belief as of the date that is provided. We base our knowledge and our belief on our understanding of the above-noted standards and the materials that go into our products as of the date hereof, and on information provided by subcontractors and other third parties, and we make no representation or warranty as to the accuracy of such information. SMI has taken reasonable steps to provide representative and accurate information, but may not have conducted destructive testing or chemical analysis on incoming materials. The Environmental Compliance Certificate does not constitute a warranty or otherwise amend or supplement SMI's Standard Terms and Conditions of Sale, which governs all warranty and any other product sale terms.