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# Semtech Product Packaging Declaration of Compliance

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Dear Valued Customers

March 26, 2018

Semtech Corporation hereby declares the product material information provided below is representative and accurate as of the date of disclosure as it appears to our packing materials ((boxes, trays, and tubes) used in shipping Semtech's "Pb-Free," "Green Compatible," or "RoHS Compliant" product. Semtech complies with the requirement that the total concentration of the 'heavy metal' substances listed below do not exceed 100 ppm.

Semtech Corporation complies with the packaging and packaging waste directive is regulated under Directive 94/62/EC, the so-called "Packaging and Packaging Waste Directive" (PPWD).

Semtech Corporation extends these requirements as they are related to the management of packaging and packaging waste, and mandates that all packaging placed on the global market and ensures compliance with the "essential requirements" of Article 9 of the Directive, as well as specified heavy metals limits. The PPWD requires that total levels of these heavy metals in packaging or packaging components must not exceed 100 parts per million (ppm). Note that the allowable limit of 'Non-Heavy Metal' substances are defined by 2011/65/EU, referred to as RoHS 2.

As Semtech Corporation continuously improves it's product packaging and shipping practices, we have taken proactive measures to: 1) prevent packaging waste by reducing waste both in terms of quantity and hazard; 2) recover and recycle high percentages of packaging waste by imposing quantitative objectives; and 3) collect information on packaging and packaging waste from our suppliers and customers to allow an adequate monitoring of the effect of the packaging and packaging waste disposal.

## **Article 9 "Essential Requirements"**

As with Article 9 of the PPWD, Semtech Corporation requires all packaging to comply with three "essential requirements" set forth in Annex II of the Directive. The three essential requirements are explained below:

- 1) Source Reduction: the packaging weight and volume should be limited to the minimum adequate to maintain the necessary level of safety, hygiene, and acceptance for the product and our customers;
- 2) Minimum Presence of Hazardous Substances: the packaging should be manufactured in such a way as to minimize the presence of hazardous substances in emissions, ash, or leachate when packaging or packaging waste is incinerated or landfilled; and
- 3) Recovery, Reuse, and Recycling: the packaging should be designed, produced, and commercialized in such a way as to permit its reuse or recovery, including recycling, and to minimize its impact on the environment when packaging waste is disposed.

## **Heavy Metals Limits**

The heavy metals limits, which appear in Article 11 of the PPWD, apply to;

- cadmium,
- mercury,
- lead, and
- hexavalent chromium



To help reduce impact to the environment, Semtech Corporation has also included the following substances in the list of restrictions pertaining to product packaging material;

- Polybrominated biphenyls (PBB)
- Polybrominated diphenyl ethers (PBDE)
- Diisobutyl phthalate (DIBP)
- Bis (2-ethylhexyl) phthalate (DEHP)
- Butyl benzyl phthalate (BBP)
- Dibutyl phthalate (DBP)

<b>RoHS Restricted Substance</b>	<b>Allowable Limit</b>
Cadmium and its compounds*	100 ppm
Mercury and its compounds	100 ppm
Hexavalent chromium and its compounds	100 ppm
Lead and its compounds	100 ppm
Polybrominated biphenyls (PBB)	900 ppm
Polybrominated diphenyl ethers (PBDE)	900 ppm

We further declare that product packaging and packaging waste do not intentionally contain the “RoHS2” chemical substances listed below pursuant to EU directive 2015/863 amendment to Annex II of EU RoHS 2 (2011/65/EU):

<b>RoHS2 Restricted Substance</b>	<b>Allowable Limit</b>
Diisobutyl phthalate (DIBP)	<900 ppm
Bis (2-ethylhexyl) phthalate (DEHP)	<900 ppm
Butyl benzyl phthalate (BBP)	<900 ppm
Dibutyl phthalate (DBP)	<900 ppm

As part of Semtech Corporation’s environmental compliance program, the following substance which is used as a flame retardant is not intentionally added to our product packaging or packaging waste.

<b>Restricted Substance</b>	<b>Allowable Limit</b>
Hexabromocyclododecane (HBCDD)	<900 ppm

Semtech has relied on information provided by our suppliers in making this declaration and has taken and continues to take commercially reasonable steps to provide representative and accurate information. Semtech’s standard Sales Terms and Conditions, including warranty and limitations of liability, apply to the declarations made herein unless otherwise provided by a written contract or other agreement signed by the parties.



Semtech Corporation invites the customer to visit our website, [www.semtech.com](http://www.semtech.com) and review our RoHS compliance information with signed Hazardous Substance Declaration of Non-Use.

Semtech Corporation looks forward to a continued and successful business relationship.

If you have any questions, do not hesitate to give me a call.

Sincerely,

A handwritten signature in black ink that reads "Pat Sanchez". The signature is fluid and cursive, with the first name "Pat" and last name "Sanchez" clearly legible.

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