



IC & Module RoHS Certificate of Compliance

May 7, 2024

IC Semiconductors and Module Packaged Products

All Microchip IC product packages are designed to be in conformance with EU RoHS, Directive 2011/65/EU, and RoHS 2 Amendment, Directive 2015/863/EU. Microchip certifies, to the best of its knowledge, the majority of its IC semiconductor and module products are RoHS compliant and do not contain greater than: Lead (0,1%), Mercury (0,1%), Cadmium (0,01%), Hexavalent chromium (0,1%), Polybrominated biphenyls (PBB) (0,1%), Polybrominated diphenyl ethers (PBDE) including Deca-BDE or pentaBDE or octaBDE (0,1%), Bis(2-ethylhexyl) phthalate (DEHP) (0,1%), Butyl benzyl phthalate (BBP)(0,1%), Dibutyl phthalate (DBP) (0,1%), Diisobutyl phthalate (DIBP) (0,1%) and Hexabromocyclododecane (HBCDD) (0,1%), aside from those covered by valid exemptions.

EU RoHS Exempted Packages

For information regarding the EU RoHS compliance status of specific Microchip IC and module package types, including the use of RoHS exemptions, please search by Microchip part number at our [Product Material Compliance webpage](#).

Microchip began working with an electronic industry consortium in June 2013 to extend relevant RoHS exemptions beyond the current expiration date. This working group submitted a renewal application to the European RoHS Technical Commission and continues to monitor the status of crucial RoHS exemptions. Additional information concerning the status of exemption requests can be found at the European Commission's [Implementation of the RoHS Directive webpage](#).

Substances of Concern:

Effective 1 July 2009, all of Microchip Semiconductor products became qualified as Halogen-Free as defined per IEC 61249-2-21:2003: Bromine (Br) \leq 900 and Chlorine (Cl) \leq 900 ppm by homogeneous material weight, with total Bromine (Br) plus Chlorine (Cl) content \leq 1,500 ppm by homogeneous material weight. Additionally, Antimony Trioxide (Sb₂O₃) is also restricted to less than 1,000 ppm.

The mold compounds used by Microchip and its sub-contract assembly houses to assemble Microchip's semiconductor devices do not contain inorganic particulate red phosphorus.

Microchip Development Systems kits/boards, and RF, Bluetooth, and Touch Screen modules may not meet the requirements of IEC 61249-2-21:2003 listed above.

Please consult the specific product's Material Content Declaration (MCD) for the estimated substance content.

Packing Materials

To the best of current knowledge and belief, all product shipment materials are compliant with Directive 2013/2/EU (Amending to EU 94/62/EC: Packaging and Packaging Waste and EU Directive). Dimethyl Fumarate (CAS # 624-49-7 and EINECS No 210-849-0) is not used in Microchip products and is not used in the moisture absorbent pillows accompanying Microchip products. This information is provided based on a reasonable inquiry of Microchip suppliers and represents current knowledge based on the information provided by those suppliers.



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EU Waste of Electrical and Electronic Equipment (WEEE) and Basel Convention

Microchip IC and Module products are classified as piece parts which are not classified as EEE under EU WEEE or the Basel Convention.

Disposal

Products at the end of their life, as well as any scrap, must be disposed of following all local and national legal regulating provisions.

Microchip Technology Incorporated's General Statement of Warranty

Microchip Technology Incorporated has taken commercially reasonable steps to provide representative and accurate material content information. Microchip relies on information provided by third parties and may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. Supplier information is often protected from disclosure as trade secrets and some information may not have been provided by subcontractor assemblers and raw material suppliers. Microchip may periodically update this Certificate of Compliance by posting the updated version on its website. Microchip does not provide any warranty, express or implied, with respect to the information provided in this Certificate of Compliance. This Certificate of Compliance does not modify Microchip's terms and conditions of sale of its products or the terms of any agreement under which customers purchased Microchip's products. Microchip's terms and conditions of sale or the relevant agreement, as applicable, shall continue to apply.

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