



RoHS and REACH Compliance Declaration

Date: July 10, 2017

MCD Electronics is dedicated to serving you by providing high quality LED solutions that meet environmental regulations, including EU Directive 2002/95/EC and subsequent amendments of the European Parliament and of the Council of the use of certain hazardous substances in electrical and electronic equipment (EEE) and REACH (Registration, Authorization and Restriction of Chemicals, European Union Regulation (EC) 1907/2006). We are providing with following information to assist you in meeting your environmental policies and procedures.

RoHS Compliance

- MCD Electronics has been producing parts that are RoHS compliant since 2004. All MCD Electronics products are compliant with the RoHS Directive (EU Directive 2002/95/EC and subsequent amendments) are marked "RoHS COMPLIANT." RoHS COMPLIANT means that the substances restricted by the EU Directive 2002/95/EC and subsequent amendments of the European Parliament are not contained in a finished product above threshold limits stated below unless the restrictive substance is subject of an exemption contained in the RoHS Directive. MCD Electronics considers the amendment to Annex II, dated March 31, 2015. The Amendment to Annex II, dated March 31, 2015 additionally restricts the use of DEHP, BBP, DBP and DIBP in Electrical and electronic equipment that becomes effective **July 22, 2019**.

Restricted Substance	Maximum Threshold Limit
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 %)
Benzyl butyl phthalate (BBP)	1000 ppm (0.1 weight %)
Dibutyl phthalate (DBP)	1000 ppm (0.1 weight %)
Diisobutyl phthalate (DIBP)	1000 ppm (0.1 weight %)

**Except when allowed by the Directive. For example, 3500 ppm in steel, 4000 ppm in aluminum alloys and 40000 ppm in copper alloys.

- Certain customers require parts that are not RoHS compliant. MCD Electronics produces these parts but their manufacturing, storage and handling is completely segregated from the RoHS compliant parts to minimize contamination of the RoHS compliant products.
- The compliance of MCD Electronics products with RoHS is affected through:
 - Strictly controlling the materials and finishes that are used in our products
 - Periodic audits of our suppliers to insure compliance
 - Periodic analysis, on an as-needed basis, of our products.



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REV	REV DATE	DESCRIPTION OF CHANGE
A	April 26, 2013	Reviewed, included RoHS-Recast and CE markings and assigned a Form number
B	April 24, 2014	Revised Candidate SVHC 151-list addition date under REACH statement.
C	June 17, 2014	Revised Candidate SVHC 155-list addition date under REACH statement.
D	January 15, 2015	Revised Candidate SVHC 161-list addition date under REACH statement.
E	June 26, 2015	Revised Candidate SVHC 163-list addition date under REACH statement.
F	December 21, 2015	Revised Candidate SVHC 168-list addition date under REACH statement.
G	June 21, 2016	Revised Candidate SVHC 169-list addition date under REACH statement.
H	September 16, 2016	Revised RoHS restricted substances with addition of four phthalates as per the amendment to Annex II, dated March 31, 2015.
I	January 14, 2017	Revised Candidate SVHC 173-list addition date under REACH statement.
J	July 10, 2017	Revised Candidate SVHC 174-list addition date under REACH statement.

Sincerely,

Howard E. Eckstein
President