

**DECLARATION WITH REGARD TO DIRECTIVE 2002/95/EC and 2011/65/EU
Restriction of Hazardous Substances in Electrical and Electronic Equipment
(RoHS)**

**Including
deca BDE (deca Bromo Dyphenyl Ether)
and
PFOS (Perfluorooctane Sulfonates)
(EU Directive 2006/122/EC)
and
(EU Directive 2015/863)**

The new RoHS Directive 2011/65/EU (RoHS 2) became effective on 3. January 2013.

RoHS 2 deals with the same hazardous substances and the same maximum concentration limits as Directive 2002/95/EC (RoHS 1). Therefore, all products meeting the substance restrictions of RoHS 1 remain compliant to the substance restrictions of RoHS 2.

E-tec is fully aware of RoHS 2, which entered into force on 21. July 2011 and requires Member States to transpose the provisions into their respective national laws by 2. January 2013. E-tec has continued to monitor the developing implementation guidelines and national transpositions.

We hereby confirm that all products supplied by E-tec are in conformity with the RoHS directive 2002/95/EC and 2011/65/EU and 2015/863 and that the banned materials and substances, including deca BDE and PFOS chemicals, have not been intentionally added nor believe to be contained in any of the materials used for the production of these part numbers or may only be present as adventitious impurities in the products.

It should be noted that the material used for the production of the metal pins is RoHS compliant brass (copper alloy) and which falls within the RoHS exemption limit of max. 4% lead content.

Substance	Maximum Concentration Value
Lead (Pb)*	0.1% (or 1000 ppm)
Mercury (Hg)	
Hexavalent Chromium (Cr+6)	
Polybrominated Biphenyls (PBB)	
Polybrominated Diphenyls Ethers (PBDE)	
Bis(2-ethylhexyl) phthalate (DEHP)	
Butyl benzyl phthalate (BBP)	
Dibutyl phthalate (DBP)	
Diisobutyl phthalate (DIBP)	
Cadmium (Cd)	0.01% (or 100 ppm)

***RoHS Compliant by Exemption**

Product, subject to EU RoHS Directive, contains one or more of the restricted substances above the official maximum concentration value, but is still compliant because it falls under one of the exemptions (e.g. typical exemptions that apply to E-tec products: lead in compliant pin connector systems).

Lead, as an alloying element, is allowed up to 4.0% (40,000 ppm) in copper alloys, up to 0.35% (3,500 ppm) in steel, and up to 0.40% (4,000 ppm) in aluminum alloys. Please review list of exemptions below.

Exemption	Description
6(a)	Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0.35% lead by weight.
6(b)	Lead as an alloying element in aluminum containing up to 0.4 % lead by weight.
6(c)	Copper alloy containing up to 4 % lead by weight.
7(a)	Lead in high melting temperature type solders (lead-based alloys containing 85 % by weight or more lead)
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

Exemptions at risk for Expiration in 2018

Due to the maximum validity rules for exemptions introduced in RoHS 2, there are 2 exemptions at risk for expiration in 2018, if there are no renewals granted.

Exemptions 6(a), 6(b), 6(c), 7(a), 7(c)-I are the most routinely used exemptions by E-tec products. E-tec is following the industry workgroup activities to apply for renewal for these exemptions. The industry workgroups for these exemptions are confident that their applications for renewal will be granted.

Expansion of Scope

RoHS 2 expands the scope of products covered by phasing in EEE categories 8 (medical devices) and 9 (monitoring and control instruments) which were previously excluded under RoHS 1. All E-tec component products that are used in equipment falling into these categories are already compliant.

The expanded RoHS 2 scope also includes certain cable assemblies used to connect EEE or to provide power to EEE. Per the RoHS 2 FAQ version of 12 December 2012, the following cable assembly types are considered to be "out of scope": optical cables, cables internal to EEE (this includes cables permanently attached to EEE), and cables with a rated voltage greater than or equal to 250 volts. For most cable assemblies, the timeline for being in scope is related to the timeline of the EEE with which they are used. Bulk cable only becomes in scope as of 2019. Note that the majority of E-tec's cable products already comply with the substance restrictions as a result of our efforts under RoHS 1. E-tec bulk cable sold to assembly houses will be compliant with the substance restrictions of RoHS 2, confirmed in our Statements of Compliance, but will not contain any RoHS compliance marking as E-tec does not know the compliance status of our customers' finished product.

The RoHS 2 Directive does not apply to non-electric tools, large-scale fixed installations, or to electrical and electronics equipment designed for use with a voltage rating exceeding 1000 volts AC or 1500 volts DC.

CE Marking

In contrast to RoHS 1, RoHS 2 is a CE marking Directive, and requires, for finished EEE, the use of the CE mark on the product to show compliance. The responsibility for affixing the CE mark resides with the manufacturer. Please be advised that CE marking for RoHS 2 only applies to finished EEE in scope of RoHS 2. The use of the CE mark is not allowed on products not in scope of an EU Directive, and can therefore not be applied to E-tec component products (such as connectors, terminals, switches, relays, etc.)