

RoHS Compliance Statement

November 22, 2019

The basis for this statement is "Directive 2011/65/EU of the European Parliament and Directive 2015/863 which addresses the restriction on the use of certain hazardous substances in electrical and electronic equipment. This is known as RoHS-3 and the deadline for compliance was July 22, 2019. RoHS- 3 restricts the use of 10 hazardous substances in the EU. These substances and thresholds include:

- Cadmium (Cd): < 100 ppm
- Lead (Pb): < 1000 ppm
- Mercury (Hg): < 1000 ppm
- Hexavalent Chromium: (Cr VI) < 1000 ppm
- Polybrominated Biphenyls (PBB): < 1000 ppm
- Polybrominated Diphenyl Ethers (PBDE): < 1000 ppm
- Bis(2-Ethylhexyl) phthalate (DEHP): < 1000 ppm
- Benzyl butyl phthalate (BBP): < 1000 ppm
- Dibutyl phthalate (DBP): < 1000 ppm
- Diisobutyl phthalate (DIBP): < 1000 ppm

Introduction

Positronic shares in the world community's concern regarding environmental protection. Positronic strives to stay abreast of environmental regulations that relate to our connector products and their use in customer applications. This document is intended to inform our customers about the ability of Positronic to support the need for connectors which are RoHS compliant.

Conventional Product Offering

Many customers will not require Positronic connector products to be compliant to the RoHS directive. Customers who wish to continue to receive products that are not certified to RoHS and may not be compliant can continue to order and receive products as they have in the past. Part numbers will remain the same as they have always been. Only RoHS certified part numbers will have a /AA in the last position of the part number. In order to receive RoHS compliant parts, a /AA must follow the part number.

RoHS Compliant Product Offering

Positronic is prepared to support our customer's RoHS connector needs in almost all product types that Positronic manufactures. Most of our products are readily available as RoHS compliant. However, certain exceptions apply and are listed below.

1. Any connector with 'C' in Position 8 of the part number is not RoHS compliant as it will contain cadmium on the connector shells in an amount greater than the exemption allows.
2. Any Power/Hybrid Series connectors with 'A2', 'C2' or 'D2' in position 7 of the part number are not RoHS compliant. This corresponds to product that is supplied with solder coat on the termination end. See below in section on 'Products for use in high temperature manufacturing processes/soldering' for more information.
3. Currently, we do not offer a lead-free solder option.

RoHS 5/6 Offerings

RoHS 5/6 indicates that a product contains one of the RoHS substances but meets the exemption limits and remains RoHS compliant. Most of our contacts are made of brass alloys containing less than 4% lead. They claim a 6c exemption. Some of our fasteners/accessories are made from aluminum or steel and can contain less than 0.4% lead. These would be RoHS compliant claiming a 6b1 or 6b2 exemption.

RoHS 6/6 Offerings

RoHS 6/6 indicates that a product does not contain any of the RoHS substances. Positronic is currently researching and testing lead-free brass that will meet the stringent requirements that our customers require for the future. Our current 6/6 offerings would include the use of tellurium copper as a substitute contact material. 6/6 product series offerings include the Eclipse, Panther, Scorpion, Low Profile Scorpion, Dragon Fly and our Power Connection Systems series.

Please contact our technical sales department for further information if you require a 6/6 product other than those mentioned.

Other General RoHS Compliance Information

1. Cadmium: Our connectors and products are cadmium free unless cadmium is specifically ordered by the customer. These would not be RoHS compliant.
2. Sodium dichromate: Our connectors and products are sodium dichromate free when ordered to be RoHS compliant.
3. Phthalates, PBDE and PBB: Our connectors and products are free of these substances.
4. Mercury: Our connectors and products are mercury free.
5. Lead: See above section

Products for use in high temperature manufacturing processes/soldering

Because the RoHS directive limits the use of lead, many types of solder will not be suitable for use. In many cases solders that are compliant with RoHS must undergo high temperature processing. This high temperature processing is used in connectors with solder terminations with wire solder cups and printed circuit boards. Currently Positronic uses Sn63 Pb37 solder which can be RoHS compliant in specific circumstances and could claim a 7b exemption when it is used in applications for servers, storage and storage array systems, network infrastructure equipment for switching, signaling, transmission, and network management for telecommunications.

Customers who believe they need Positronic connector products to survive high temperature manufacturing processes should contact Technical Sales for more information.



For More information on RoHS visit:

<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32015L0863&from=EN>

or contact customerservice@connectpositronic.com for Product Compliance information

TECHNICAL SALES – CONTACT INFORMATION

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