



POSITRONIC[®]
GLOBAL *Connector* SOLUTIONS



RoHS Compliance Statement

May 31, 2011

The basis for this statement is “Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment” (better known as Restriction on Hazardous Substances – RoHS).

Extract from Article 4:

Paragraph 1

1. Member States shall ensure that, from 1 July 2006, new electrical and electronic equipment put on the market does not contain lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE). National measures restricting or prohibiting the use of these substances in electrical and electronic equipment which were adopted in line with Community legislation before the adoption of this Directive may be maintained until 1 July 2006.

Paragraph 2

Paragraph 1 shall not apply to the applications listed in the Annex.

(The RoHS Annex lists a variety of exemptions to Paragraph 1 of the directive. For example, copper alloys containing up to 4% lead are acceptable when the lead is used as an alloying element. This exemption applies to many copper based materials used in connector contacts.)

[For more information on RoHS visit:](http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2003:037:0019:0023:en:PDF)

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Introduction

Positronic Industries 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 Positronic’s ability 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 as they have in the past need not do anything differently. Part numbers for Positronic’s conventional product offering will remain the same as they have always been.

RoHS Compliant Product Offering

Positronic is prepared to support our customer's RoHS connector needs in almost all product types that Positronic manufactures. Currently, only a very few products are not readily available as RoHS compliant. These exceptions are listed below with expected compliancy dates.

Exceptions		
<u>Product Series</u>	<u>Availability Date</u>	<u>Series Prefix</u>
Any D-subminiature connector with 'C' in Position 8 of the part number. <i>This corresponds to product that is currently supplied with hexavalent chromium film on the cadmium plated parts. Cadmium may be acceptable per exemption 8 of the RoHS directive.</i>	No compliance date planned at this time.	DD, ORD, RD, HDC
Any M24308 connector	Availability contingent upon MIL-DTL-24308 qualification.	M24308
Any Power series connector with 'A2' or 'C2' in position 7 of the part number. <i>This corresponds to product that is supplied with solder coat on the termination end.</i>	If the customer's product/application qualifies for the exemption listed in the RoHS directive that allows for leaded solder: Currently available.	PCIH, PCIA, PCIM, PCIB, PCIC, IP, MIP, MMIP, PL, SUM, VP
	If application does not qualify for exemption: Anticipated availability Summer 2012.	
<i>Note: For ease of traceability, D-subminiature connectors with 'X, Z, or S' in position 8 of the part number will be supplied with tin or stainless steel jackscrews, spacers, brackets and rivets to correspond to the shell finish.</i>		

Ordering information for RoHS Compliant Products

In cases where customers require Positronic connector products meet the RoHS directive, a simple part number modifier will be used to specify the requirement. Using a part number modifier will ensure customers receive RoHS compliant product. This practice will also make it easy to identify compliant and non-compliant products throughout the supply chain. Should additional environmental requirements evolve, the part number modifier can be adjusted to meet a wide variety of customer needs.

Customers who require RoHS compliant connectors may contact Technical Sales (contact information is on the last page) to determine the correct part number modifier. In the future, part number modifiers will be available as part of standard catalog information.

Please note, Positronic connector products that are RoHS compliant are not necessarily suitable for high temperature manufacturing environments. This is not a direct requirement of RoHS and is a separate issue as addressed below.

Products for use in high temperature manufacturing processes

Because the RoHS directive limits the use of lead, many types of solder will not be suitable for use in equipment that must be compliant to RoHS. In many cases solders that are suitable for RoHS use will require high temperature processing. This fact will not be relevant for connectors with crimp contacts or press-fit terminations. However, connectors with solder terminations for use with wire or printed circuit boards may be required to survive high temperature manufacturing processes.

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

Environmental information other than RoHS

The RoHS directive has presented a challenge for the industry. Whether in preparation for the future, or in an effort to have a greater degree of assurance of compliance to RoHS, some customers have requested information in addition to a statement of compliance to the RoHS legislation. In addition, there are indications that similar directives will follow for additional substances, perhaps from different countries.

Due to the complexity of our product line and the variety of requests from customers in terms of scope, content, type, and format, Positronic will address each request on a case by case basis as follows:

- Requests for exact content of the six RoHS restricted substances. Positronic can supply a certificate of compliance confirming each part number meets the requirements of the Directive.
- Requests for disclosure beyond RoHS banned substances. Information will be provided as available.
- Requests for 100% material disclosure. This level of information is typically not available and may be considered proprietary by Positronic. Positronic is prepared to certify as applicable regarding specific banned substances as outlined by the customer or specification.

Positronic will make every effort to satisfy customer needs.

As future restrictions become apparent, Positronic will provide material information to industry standards. This will most likely be the Joint Industry Guide (JIG) guidelines for Material Composition Declaration.

TECHNICAL SALES – CONTACT INFORMATION

WESTERN HEMISPHERE	ASIA	EUROPE
<p><u>Positronic Industries, Inc.</u> 423 N Campbell Avenue Springfield, MO 65801 Tel 417-866-2322 Fax 417-866-4115 Toll Free 800-641-4054 info@connectpositronic.com</p>	<p><u>Positronic Asia PTE LTD</u> 3014-A Ubi Road 1 #07-01 Singapore 408703 Tel 65 6842 1419 Fax 65 6842 1421 singapore@connectpositronic.com</p>	<p><u>Positronic Industries, S.A.S.</u> Zone Industrielle d'Engachies 46 Route d'Engachies France 32020 Auch Cedex 9 Tel 33 5 62 63 44 91 Fax 33 5 62 63 51 17 contact@connectpositronic.com</p>

Visit us on the web at: www.connectpositronic.com

