



October, 2007
updated January 2009

RoHS Compliance Statement

WHAT IS ROHS?

The RoHS directive is often referred to as “Lead-Free” legislation. This is not an accurate nickname, because it extends to other pollutants as well. RoHS is an acronym for Reduction of Hazardous Substances. The proper name for ROHS is, Directive 2002/95/EC “The restriction of the use of certain hazardous substances in electrical and electronic equipment”.

It applies to the following substances:

- Lead
- Mercury
- Cadmium
- Hexavalent Chromium
- PBB (polybrominated biphenyl)
- PDBE (polybrominated diphenyl ether flame retardants)

In order to comply with the EU RoHS legislation all of these substances must either be removed, or must be reduced to within maximum permitted concentrations, in any products containing electrical or electronic components that are placed on the market within the European Union as of July 1, 2006.

The EU Directive on RoHS is just part of an ever-increasing push for more environmentally sound manufacturing policies across the whole of industry. Launching around the same time in the European Union is the WEEE Directive (Waste from Electrical and Electronic Equipment), which covers the recyclability of equipment. In Japan, the Consumer Appliance Law was introduced in 2001 and demanded the recycling of a number of domestic electrical items. It is likely that this will encompass computer equipment in 2006. Although there is little or no federal legislation similar to RoHS or WEEE in the United States currently, the state of California has announced legislation effectively mirroring the EU Directives.

WHICH PRODUCTS ARE AFFECTED?

- Household appliances.
- IT and telecommunications equipment.
- Consumer equipment.
- Lighting.
- Electrical and electronic tools (except large scale stationary industrial tools).
- Toys, leisure and sports equipment.
- Automatic dispensers

There are some exemptions to the rules. Certain materials covered by the RoHS Directive are exempt in a number of cases, although this list is currently under review. This is likely to take some time to be ironed out and further exemptions / amendments will need to be supported with appropriate evidence and agreed at a Europe-wide level.

Pathway Connectivity is committed to protecting people and the environment and we are working on identifying any materials used in our processes that could pose a potential hazard to our employees, customers or the environment.

Pathway Connectivity has been following the advent of the European Union RoHS directives for a number of years and early in 2004 started working on a compliance strategy.

RoHS Compliance Roadmap at Pathway Connectivity

Our RoHS compliance review included the following steps and resolutions:

Determine if the Directive applies to our products

It is evident that our products are covered by the Directive and that we do not qualify for any exemptions, at this time.

Determine if any of our products comply with RoHS

It was determined that our products, at time of our initial review, did not comply

Identify which products we will offer as RoHS compliant

See the attached list for the current status/plan for each of Pathway's products

Source and procure compliant components where available and re-design products when compliant components are not available.

- Beginning in January 2005, all new Pathway products have been designed with RoHS compliance in mind.
- By January 1, 2006, Pathway had converted approx 95% of its inventory of components identified as requiring RoHS compliance. The balance is waiting for component manufacturers to make RoHS parts available.
- We have segregated our compliant inventory from the non-compliant to avoid mix-ups.

Update manufacturing procedures, where required

- Early in 2005 Pathway installed a state of the art surface mount assembly line, including a new reflow oven capable of performing lead-free soldering.
- Pathway has implemented new and improved procedures for thru-hole soldering.
- We have segregated our lead-free manufacturing from our leaded manufacturing to avoid contamination.

Training (assembly, soldering, inspection, etc.)

- All our production personnel have undergone RoHS training, and are familiar with the issues.
- Key personnel have completed the Kester University Lead-Free RoHS Compliancy Implementation Course
- Lead-free soldering training is in progress for assembly personnel
- Identification of good lead-free solder joint training for inspection personnel is in progress

Identify compliant products so that customers know what they are getting

- We have determined to do this through 2 methods:
 - *Date Codes.* As products become compliant we will publish the Date of Compliance on our website. Products built after that date will be compliant.
 - *Labels.* Where space permits, Pathway will mark compliant products with a RoHS label:



RoHS Compliance – Current Status

As of January 2006, we are pleased to report that our RoHS program is progressing through the qualification phase, with initial shipments of fully qualified RoHS-compliant products scheduled for mid first quarter, 2006.

Our RoHS Compliance by Product listing follows.

For further information, or assistance, please contact our RoHS implementation specialist, Shawn Vike (svike@pathwayconnect.com).

Further information about RoHS:

<http://www.rohsdirective.com/directive.htm>

<http://www.newark.com/services/rohs/index.html#step1>

January 2009 RoHS Status Update:

Pathway has reviewed our RoHS status as of January 2009 and we are pleased to report that 99% or our current “in-production” products are now RoHS compliant. The only current production parts that are not currently compliant are a select number of 6 pin modular receptacles. When the non-complaint part are used up, replacement inventory will be built that will comply with the RoHS directive.

We have not been able to confirm the status of relay cabinets, which are manufactured by a third party. The following tables indicate the current status of our products:

Product Family	Catalog #s	Compliance	Notes
Pathport C	6201, 6202, 6203	COMPLIANT	
Pathport R	6235, 6241, 6242, 6243	COMPLIANT	
Pathport D	6225	COMPLIANT	
Pathport Uno	6101,6102	COMPLIANT	
Pathport Touring Edition (TE)	6182	COMPLIANT	
eDIN Opto-Splitter	1002	COMPLIANT	
eDIN Contact Closure	1003	COMPLIANT	
eDIN Demultiplexer	1004	COMPLIANT	
eDIN Analog-to-DMX Interface	1006	COMPLIANT	
eDIN Merger	1007	COMPLIANT	
eDIN LED Dimmer/DC Driver	1008	COMPLIANT	
eDIN RDM/DMX Splitter	1009	COMPLIANT	
Pathport eDIN	1011	COMPLIANT	
eDIN Installation Repeaters	4807, 4808, 4809, 4810	COMPLIANT	
eDIN Installation Repeater	4802	COMPLIANT	discontinued
Ultimate Converter	8680, 8681	COMPLIANT	
DMX Manager +	6301, 6302	COMPLIANT	
DMX Repeaters	8893, 8895, 8897 8873, 8874, 8875	COMPLIANT	
DMX Repeater Pro	9104, 9105, 9106	COMPLIANT	
Network Fade Processor	6229, 6239	COMPLIANT	
DMX Relay Cabinets	Various	Unknown	See notes
Relay Cabinets	CC12, CC24, CC48	Unknown	Discontinued
DMX Interfaces for Relay Cabinets	LCRC48GE LCRC48GEP LCRD12GES	Not Planned	Discontinued
DMX Decoder	8721AC, 8741	Not Planned	Discontinued
DMX Contactor	8512 LCCC12	Not Planned	Discontinued. Use eDIN Contact Closure Interface
Relay Drivers	LCRD16	Not Planned	
Device Drivers	LCDD32	Not Planned	Discontinued Use eDIN LED Dimmer/DC Driver
Demultiplexers	LCDM24, LCDM48 8121, 8741	Not Planned	Discontinued Use eDIN Demultiplexer

Note: Relay cabinets are manufactured by third parties and contain interfaces by Pathway Connectivity. The interface cards are RoHS-compliant, but we have not been able to confirm the RoHS status of the remaining components.

Modular Receptacles

Product Family	Catalog #s	Estimated Compliance	Notes
Faceplates	ALL	COMPLIANT	Stainless Steel is inherently compliant
Inserts	5 pin XLR - ALL	COMPLIANT	
	6 pin XLR - ALL	Future	Compliant when existing stock is exhausted
	Ethernet - ALL	COMPLIANT	
Inserts – Misc.	3 pin XLR - ALL	COMPLIANT	
	4 pin XLR - ALL	COMPLIANT	
	BNC Bulkhead - ALL	COMPLIANT	
	Blank Insert	COMPLIANT	Stainless Steel is inherently compliant
Receptacles with terminals	40-0051 40-0052	COMPLIANT	
	40-0062 40-0063 40-0064 40-0065	COMPLIANT	
	40-0024 40-0025	COMPLIANT	
	40-0026 40-0027	COMPLIANT	
	40-0028 40-0029	Future	Compliant when existing stock is exhausted

Products not listed are not RoHS compliant.

For further information, or assistance, please contact our RoHS implementation specialist, Shawn Vike (svike@pathwayconnect.com).