



## **Tyco Electronics RoHS Overview**

**At Tyco Electronics, we're ready for RoHS.**

### **Product Compliance**

We have assessed more than 1.5 million end items/components for RoHS compliance, and issued new part numbers where any change was required to eliminate the restricted materials. We have provided on-line Statements of Compliance including information supporting China RoHS where appropriate. Currently well over 80% of Tyco Electronics sales are RoHS or ELV compliant products, the rest being sold into exempt industries such as MIL-Aero.

### **Lead-free plating**

Over the past ten years, we've invested talent and time to thoroughly understand the lead-free issue and its challenges. We've successfully converted thousands of our products to lead-free plating, many in 2003 to meet the European Union End-of-Life Vehicle Directive requiring lead-free products for the Automotive industry. Usually this means substituting pure tin for a tin-lead alloy although other lead-free options are available. We have performed extensive testing to verify that our leadfree products are "backwards compatible", meaning that they can be used in existing tin-lead solder processes as well as in lead-free solder processing.

### **What other materials are impacted**

In addition to lead (Pb) in solder or plating; cadmium (Cd), mercury (Hg), hexavalent chromium (CrVI), polybrominated biphenyls (PBB) and polybrominated diphenyl ethers (PBDE) are also restricted. We've removed these materials in restricted products/applications including Pb and Cd as plastic additives, as well as PBB and PBDE as flame retardants. And no mercury is used in Tyco Electronics products.

### **Easing the transition**

The most important thing in any transition is flexibility. As mentioned above, the majority of our compliant products are "backwards compatible", allowing a phased transition to full RoHS compliance. We're also continuing to produce our standard products, since customers in certain industries, such as Military and Aerospace, remain unaffected by RoHS regulations. Our objective is to ensure every one of our customers a smooth transition with no interruption of product delivery and minimal inventory risk.