

**tyco**

Electronics



**Elo TouchSystems**

301 Constitution Dr.  
Menlo Park, CA. 94025-1164  
Phone: (650) 361-4700  
Toll Free: 1-800-557-1458  
Fax: (650) 361-4747  
E-mail Address:  
info@elotouch.com  
Website: www.elotouch.com

March 27, 2006

Dear Elo TouchSystems Customer,

As you are aware, RoHS and other legislation restricting the use of lead and certain hazardous materials is significantly impacting Elo TouchSystems and many of our customers. In order to keep you informed of our actions in this regard and related matters of which you should be aware, this letter addresses the following:

1. Update on Elo TouchSystems' actions to meet RoHS requirements.
2. Transition plan to RoHS compliant products.
3. Concerns about lead used in our touch screen glass.
4. Customers request for extensive RoHS testing information
5. Disclaimer for Tyco Electronics Reports to Customers
6. Additional Information

**Update on Actions to Meet RoHS requirements.**

As of December 2003, we began to work toward RoHS Compliance across our entire product portfolio.

Following are the major actions Elo TouchSystems has taken to date:

- Assessed our full product portfolio for compliance to RoHS (reduction and or elimination of Lead, Mercury, Cadmium, Hexavalent chromium, PBB's, and PBDE's).
- Assessed compatibility of products with lead free process requirements (higher solder process temperatures).
- Issued new part numbers for products where any change was appropriate for compliance (limited exceptions where unique requirements dictated alternate approach).
- Provided compliance, and cross reference information on the Elo TouchSystems' website ([www.elotouch.com](http://www.elotouch.com)) on a part number basis.
- Qualified replacement products.

# Declaration of Compliance for conversion of specific Elo Products From non-RoHS to RoHS Compliant

## Transition Plan

Looking forward, Elo TouchSystems' objective is to support our customers' transition to RoHS compliance while continuing to satisfy product performance and availability requirements and to lessen non-RoHS compliant inventory throughout the supply chain. The following strategy is being implemented for most of our business:

1. Availability of compliant products and a brief description of changes:
  1. **AT-4 screens:** RoHS compliant since 2004. New part numbers issued to distinguish old parts from new parts, green RoHS stickers attached to shipping cartons, and solder was changed.
  2. **AT screens:** RoHS compliant since November 2005. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers attached to shipping cartons, cable assemblies, and solder were changed.
  3. **IT screens:** Most RoHS compliant since February 2005, 100% RoHS compliant Nov 2005. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers attached to shipping cartons, cable assemblies and solder were changed.
  4. **Super Flat Profile Screens:** RoHS compliant since November 2005. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers attached to shipping cartons, cable assemblies, and solder were changed.
  5. **Projected Capacitive screens:** Conversion to RoHS compliance in progress; Integrated Circuit packaging and soldering are the obstacles. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers will be attached to shipping cartons. Availability of RoHS versions scheduled for May 2006.
  6. **Surface Capacitive screens:** RoHS compliant since November 2005. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers attached to shipping cartons, cable receptacles and solder were changed.
  7. **IR screens:** Most RoHS compliant since October 2005, with the exception of custom product. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers attached to shipping cartons, circuit board assembly, solder, and all associated components were changed.
  8. **Monitors:** Conversion to RoHS compliance in progress; availability scheduled for April 2006. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers will be attached to shipping cartons, circuit board assemblies, solder and all associated components are being changed.
  9. **Controllers (Accutouch/Surface Capacitive/IR/Intellitouch):**
    - A. **Accutouch:** RoHS compliant since January 2006. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers will be attached to shipping cartons, circuit board assembly, solder, and all associated components changed.

## Declaration of Compliance for conversion of specific Elo Products From non-RoHS to RoHS Compliant

- B. **Surface Capacitive:** RoHS compliant since January 2006. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers will be attached to shipping cartons, circuit board assembly, solder, and all associated components changed.
  - C. **IR:** RoHS compliant since January 2006. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers will be attached to shipping cartons, circuit board assembly, solder, and all associated components changed.
  - D. **Intellitouch:** RoHS compliant since February 2006. New part numbers issued to distinguish non-RoHS parts from RoHS parts, green RoHS stickers will be attached to shipping cartons, circuit board assembly, solder, and all associated components changed.
2. Labeling - Compliant products are being labeled as RoHS compliant and are identified by a green sticker attached to the shipping carton.
3. Phase-out of Non-compliant Products - A transition period is planned where both the current "non-compliant" part and the "compliant" part will be available. However, our intent is to convert our product portfolio to RoHS compliant versions with minimal exceptions. Key steps are:
- A. Communicate this transition strategy to customers and develop specific migration plans. The key focus of this activity will be the development of product transition timing to satisfy customers' product needs and minimize non-compliant inventory.
  - B. Compatibility - It is important to note that the majority of Elo TouchSystems' products are "backward compatible", meaning that the RoHS compliant version of the product will perform per specification in an existing non-RoHS application.
  - C. As Elo TouchSystems transitions to RoHS compliant manufacturing, non-compliant products may be changed to Non-Cancelable, Non-Returnable status. This change will be phased in on a part by part basis, but is expected to be largely complete by end of May 2006. While this status change may result in longer lead-times and larger order quantities for non-compliant products, it will allow continued support for customers who require (or desire) ongoing shipments of non-compliant products. It is our intent that a compliant product's status and lead-time be similar to the non-compliant version being phased out.

## **Declaration of Compliance for conversion of specific Elo Products From non-RoHS to RoHS Compliant**

- D. Elo TouchSystems plans to issue Product Management Bulletins (PMB's) informing customers formally that we are changing status of our non-compliant products (as applicable) and that the RoHS compliant equivalents will become the "preferred product".

Exceptions to the above policy may include products targeted for applications that are exempt from RoHS (e.g. medical). Specific product exceptions for technical needs or future RoHS exemptions will be addressed as well. In these cases, it is anticipated that dual versions (compliant and non-compliant) of products may be required.

Additional tools to manage this transition (such as easy access to part compliance status, cross reference information, and obsolescence status), are developed and are available on the Elo website as referenced in this document.

### **Concerns about lead in our touch screen glass**

The raw glass used to make our touch screens (optical glass) does contain lead; however, lead in glass of CRT's and other electronic components are specifically exempted from the requirements of Article 4(1), of the EU directive 2002/95/EC (RoHS) in annex 1 Paragraph 5.

Below are some links which provide additional reference material concerning the exemption of lead in glass:

[http://europa.eu.int/comm/environment/waste/stakeholders/industry\\_assoc/photo/reply.pdf](http://europa.eu.int/comm/environment/waste/stakeholders/industry_assoc/photo/reply.pdf)

This is a link to one of the stakeholder consultation responses to the European Commission, concerning this particular exemption. It lists examples of applications.

[http://www.jbce.org/files/JBCE\\_response\\_RoHS\\_exemption\\_consultation.pdf](http://www.jbce.org/files/JBCE_response_RoHS_exemption_consultation.pdf)

This is the Japan Business Council in Europe (JBCE) consultation response to the European Commission concerning the lead in glass exemption.

[http://europa.eu.int/comm/environment/waste/pdf/era\\_technology\\_study\\_12\\_2004.pdf](http://europa.eu.int/comm/environment/waste/pdf/era_technology_study_12_2004.pdf)

This is the report by ERA Technology for the EU Commission, putting forward the results of their investigation into the exemption applications.

### **Customers request for extensive RoHS testing information**

Some customers are requesting additional information in order to have a greater degree of assurance that Elo TouchSystems' products comply with the RoHS Directive. Since Elo TouchSystems has received a wide range of inconsistent demands from our customers in terms of scope, content, type, and format of product transition information and material disclosures, Elo cannot respond to the many unique requests and formats for compliance reporting and information, across our customer base and product range. Furthermore, Elo

**Declaration of Compliance for conversion of specific Elo Products From non-RoHS to RoHS Compliant**

TouchSystems will not provide comprehensive material disclosures, declarations, or testing results. Elo TouchSystems will provide simple material declarations, statements, or certifications of RoHS compliance for product families in general, and for specific products upon request.

**Disclaimer for Tyco Electronics Reports to Customers**

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information provided by our suppliers. This information is subject to change. This information does not in any way modify existing purchase specifications or existing contractual or other agreement terms between Tyco Electronics Corporation (or its affiliated companies) and its customers.

**Additional Information**

Elo TouchSystems as a recognized industry leader will continue to proactively address the technical and logistics challenges throughout this transition period. Please visit the website ([www.elotouch.com](http://www.elotouch.com)) that has been established for access to RoHS information as well as additional details of the implementation strategy. If you have further questions, please contact your Elo TouchSystems' Sales Representative.

Regards,



27 MAR 06

Kevin Seitz  
Global RoHS/WEEE Project Manager  
Elo TouchSystems, Division of Tyco Electronics