



RoHS Certificate of Compliance for Surface Capacitive Screens

TITLE: RoHS Certificate of Compliance for Surface Capacitive Screens

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REVISION: A



Change History

Rev.	Description of Change	Release Date	Changed By
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1.0 PURPOSE

This document certifies that all Surface Capacitive screens are in compliance with:

- 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 (RoHS Directives), as well as in regards to Directive 91/338/EEC (Cadmium) and Directive 2003/11/EC (PBB's/PBDE's). These products may contain an exempted material as noted in the Annex of the RoHS Directive.
- China RoHS Compliance

2.0 CERTIFICATE OF ANALYSIS INFORMATION

Material: Nylon Tape			
<u>Test Item</u>	<u>Units</u>	<u>Result</u>	<u>Comments</u>
Cadmium	ppm	ND	
Chromium (VI)	ppm	ND	
Lead	ppm	ND	
Mercury	ppm	ND	
Polybrominated diphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

ND = Not Detected

PPM= Parts Per Million

Test Methods:			
<u>Test Item</u>	<u>Method</u>	<u>MDL</u>	<u>RoHS Limit (PPM)</u>
Cadmium	ICP-AES per EN1122, method B:2001 or other acid digestion	2	100
Chromium (VI)	As per US EPA 7196A and US EPA 3060A	2	1000
Lead	ICP-AES per US EPA 3050B or other acid digestion	2	1000
Mercury	ICP-AES per US EPA 3052 or other acid digestion	2	1000
Polybrominated diphenyl ethers	USEPA 3540 or USEPA 3550 Analysis done by HPLC/DAD, LC/MS or GC/MS	0.0005	1000
Polybrominated biphenyls	USEPA 3540 or USEPA 3550 Analysis done by HPLC/DAD, LC/MS or GC/MS	0.0005	1000

MDL = Method Detection Limit

Material: Cabled Surface Capacitive Sensor				<u>RoHS Limit (PPM)</u>
<u>Test Item</u>	<u>Units</u>	<u>Result</u>	<u>Comments</u>	
Cadmium	ppm	ND		100
Chromium (VI)	ppm	ND	<15.50, less than reporting limit	1000
Lead	ppm	15.30		1000
Mercury	ppm	ND	<67.1, less than reporting limit	1000
Polybrominated diphenyl ethers	ppm	ND	<62.74, less than reporting limit	1000
Polybrominated biphenyls	ppm	ND	<74.36, less than reporting limit	1000

ND = Not Detected

PPM= Parts Per Million

Test Methods:

Method References:

SW=USEPA, Test Methods for Evaluating Solid Waste, SW-846.
E=USEPA Methods for the Determination of Inorganic Substances in Environmental Samples; Methods for Chemical Analysis of Water and Wastes; Methods for the Determination of Metals in Environmental Samples
D=ASTM, Annual Book of Standards
IEC=International Electrotechnical Commission Procedures for the Determination of Levels of Six Regulated Substances (Lead, Mercury, Cadmium, Polybrominated Biphenyls, Polybrominated Diphenyl Ethers) in Electrotechnical Products [IEC 62321, Ed1/CDV].

Milligrams per kilogram (mg/kg), and parts per million (ppm), are equivalent.

Unless otherwise noted, all method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives.

Analytical Comments for METHOD IEC_PBDE_GCMS, LCS-39875: LCS recovery for Decabromodiphenyl ether was above the laboratory control limit.

Analytical Comments for METHOD IEC_PBDE_GCMS, 07090033-01A: Surrogate recovery was slightly above the laboratory acceptance limit.

Analytical Comments for METHOD IEC_PBB_GCMS, 07090033-01A,02A: The recovery for Decabromobiphenyl and Nonabromobiphenyl in the check standard was slightly above the 130% limit.

Analytical Comments for METHOD IEC_PBB_GCMS, 07090033-02A: The recovery for Decabromobiphenyl and Nonabromobiphenyl in the check standard was slightly above the 130% limit.



SC RoHS Report

3.0 RoHS IDENTIFICATION AND LABELING

All products mentioned above are RoHS compliant and are shipped with the label shown below attached to the shipping carton.

**Directive 2002/95/EC
(RoHS) Compliant**

4.0 CHINA ROHS INFORMATION

TIC-TAC-TOE (HAZMAT) CHART

表面電容 Surface Capacitive 材料 Material	檢測項目 TEST ITEM					
	鎘 Cadmium	鉻 Chromium (IV)	鉛 Lead	汞 Mercury	多溴聯苯醚 Polybrominated diphenyl ethers	多溴化聯苯 Polybrominated biphenyls
電纜表面電容式感測器 CABLED SURFACE CAPACITIVE SENSOR	X	X	0	X	X	X
NYLON TAPE	X	X	X	X	X	X
<p>網格中的「X」表示材料類別中不存在此成分 'X' in grid indicates this substance does not exist in the material category</p> <p>網格中的「0」表示材料類別中存在此成分（含有某種數量） '0' in grid indicates this substance exist (any quantity) in the material category</p>						

APPLICABLE EPUP SYMBOL





5.0 DISCLAIMER

Users are advised to ensure that this information is brought to the attention of the employees, agents, or contractors handling this product. Distributors of this product are advised to forward this document, or the information contained herein, to their purchaser. Tyco Electronics' obligations shall be only as set forth in Tyco Electronics' standard terms and conditions of sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Tyco Electronics products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures.

I hereby certify that this Certificate of Compliance is accurate.

Masood Abrishamcar
December 5, 2007
Elo TouchSystems
Global RoHS/WEEE Coordinator
Elo TouchSystems (a division of Tyco Electronics Corporation)