



RoHS CERTIFICATE OF COMPLIANCE FOR AT4 TOUCH SCREENS

TITLE: RoHS Certificate of Compliance for AT4 Touch Screens

NUMBER: ES500304

REVISION: E



Change History

Rev.	Description of Change	Release Date	Changed By
A	Released per ECO 4861	04/26/05	Kevin Seitz
B	Revised per ECO 4881. Change section 4.0 to a generalized statement.	04/28/05	Kevin Seitz
C	Revised per ECO 5354. Remove list of individual P/N's affected so document does not need to be revised every time a new P/N is released. Change document format by removing the change history and table of contents from the cover page and placing them on the next page.	10/11/05	Kevin Seitz
D	Revised per ECO 5443. Section 1.0: delete the words "IntelliTouch Super Flat Profile" and replace them with "Accutouch 4-wire resistive".	11/04/05	Kevin Seitz
E	Revised per ECO 07-16506. Add China RoHS requirements (Tic-Tac-Toe HazMat chart and EPUP)	06/25/07	Leo Alejandro

TABLE OF CONTENTS

1.0 PURPOSE.....3

2.0 CERTIFICATE OF ANALYSIS INFORMATION3

3.0 RoHS IDENTIFICATION AND LABELING4

4.0 DISCLAIMER5

1.0 PURPOSE

This document certifies that all IntelliTouch screens with the exception of the IntelliTouch Super Flat Profile 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: Cable			
<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	

Material: Film			
<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	

Material: Glass			
<u>Test Item</u>	<u>Units</u>	<u>Result</u>	<u>Comments</u>
Cadmium	ppm	ND	
Chromium (VI)	ppm	ND	
Lead	ppm	9.54	Exempt per RoHS Annex
Mercury	ppm	ND	
Polybrominated diphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

ND = Not Detected

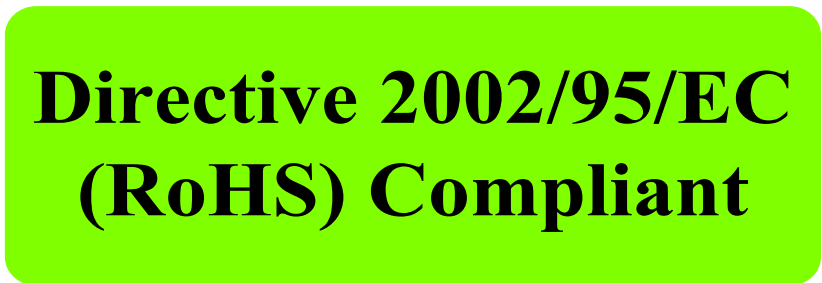
PPM= Parts Per Million

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

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.



4.0 CHINA ROHS INFORMATION

TIC-TAC-TOE (HAZMAT) CHART

	檢測項目 Test Item					
材料 Material	鎘 (Cd) Cadmium (Cd)	鉻 (Cr) Chromium (Cr)	鉛 (Pb) Lead (Pb)	汞 (Hg) Mercury (Hg)	多溴聯苯醚 (PBDE) Polybrominated diphenyl ethers (PBDE)	多溴化聯苯 (PBB) Polybrominated biphenyls (PBB)
電纜 Cable	○	○	○	○	○	○
薄膜 Film	○	○	○	○	○	○
玻璃 Glass	○	○	X	○	○	○
網格中的「○」表示材料類別中不存在此成分 "O" in grid indicates this substance does not exist in the material category						
網格中的「X」表示材料類別中存在此成分 (含有某種數量) "X" in grid indicates this substance exists (in any quantity) in the material category						

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.

Dan Zahnow
Global RoHS/WEEE Coordinator
Elo TouchSystems (a division of Tyco Electronics Corporation)