



RoHS CERTIFICATE OF COMPLIANCE FOR SAW TOUCHPANEL

TITLE: RoHS Certificate of Compliance for SAW(Surface Acoustic Wave) Touchpanel

FILE NMUBER: QW-BD-06-002

REVISION: B

Change History

Revision	Changed By	Change Date	Change Description
A	Kimson Tan	01/10/06	Released per FCN 0601002
B	Kimson Tan	02/28/06	Released per FCN 0602004, add the part number difference explanation.

CONTENTS

1.0 PURPOSE

2.0 CERTIFICATE OF MATERIAL ANALYSIS INFORMATION

3.0 RoHS IDENTIFICATION AND LABELING

4.0 DISCLAIM

1.0 PURPOSE

This document certifies that all SAW touchpanels with the extra letter "R" appended to the main part number before any suffixes, 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 (PBBs/PBDEs).

These products may contain amounts of lead and cadmium other materials that are exempted as noted in the Annex of the RoHS Directive, including the exemption for lead and cadmium in glass .

Examples of RoHS-compliant part touchpanel numbers are: TL4B17R, TL6B12d1SDR and TL4B19DR-N19. The corresponding examples of non-compliant touchpanel part numbers are: TL4B17, TL6B12d1SD and TL4B19D-N19.

2.0 CERTIFICATE OF MATERIAL ANALYSIS INFORMATION

Test Method

Test Item	Method	MDL	RoHS Limit (ppm)
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 biphenyl ethers	US EPA 3540 or US EPA 3550 Analysis done by HPLC/DAD, LC/MS or GC/MS	0.0005	1000
Polybrominated biphenyls	US EPA 3540 or US EPA 3550 Analysis done by HPLC/DAD, LC/MS or GC/MS	0.0005	1000

Material: Glass

Test Item	Units	Result	Remarks
Cadmium	ppm	ND	
Chromium(VI)	ppm	ND	
Lead	ppm	<1000	Lead in glass is exempted
Mercury	ppm	ND	
Polybrominated biphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

Material: Glass Stripe

Test Item	Units	Result	Remarks
Cadmium	ppm	ND	
Chromium(VI)	ppm	ND	
Lead	ppm	>1000	Lead in glass is exempted

Mercury	ppm	ND
Polybrominated biphenyl ethers	ppm	ND
Polybrominated biphenyls	ppm	ND

Material: Transducers

Test Item	Units	Result	Remarks
Cadmium	ppm	ND	
Chromium(VI)	ppm	ND	
Lead	ppm	>1000	Lead in ceramic piezoelectronic device is exempted
Mercury	ppm	ND	
Polybrominated biphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

Material: UV Gel

Test Item	Units	Result	Remarks
Cadmium	ppm	ND	
Chromium(VI)	ppm	ND	
Lead	ppm	ND	
Mercury	ppm	ND	
Polybrominated biphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

Material: Solder

Test Item	Units	Result	Remarks
Cadmium	ppm	ND	
Chromium(VI)	ppm	ND	
Lead	ppm	<100	
Mercury	ppm	ND	
Polybrominated biphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

Material: Cable Wire

Test Item	Units	Result	Remarks
Cadmium	ppm	<5	
Chromium(VI)	ppm	<20	
Lead	ppm	<100	
Mercury	ppm	ND	
Polybrominated biphenyl ethers	ppm	ND	
Polybrominated biphenyls	ppm	ND	

ND=Not Detected
Ppm=Parts per Million

3.0 RoHS IDENTIFICATION AND LABELING

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



4.0 DISCLAIM

This certification applies only to the products listed as above of the type in the Statement of Compliance, and is made based on General Touch's understanding of the European Union Directive 2002/95/EC and on official source documentation received directly from our suppliers.

Customers 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.

Customers must specifically order RoHS compliant products to assure receipt of only RoHS compliant products. Indicate this requirement on the purchase order.

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.

 (Signature)
Kimson Tan, RoHS Coordinator

Date: Apr. 20, 2006

 (Signature)
Richard Li, GM of General Touch Technology Co., Ltd.

Date: Apr 20, 2006