

TT Electronics – BI Technologies

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CUSTOMER EU REACH, UK REACH & JS709C STATEMENT

Original statement **9th June 2008**, last updated on **23rd January 2025** (EU REACH SVHC candidate list covering **247** substances)

To whom it may concern

TT Electronics - BI Technologies Mexicali is committed to meeting the requirements set out in the EU and UK REACH and low halogen regulations and we work with our suppliers to monitor impact on chemicals, preparations and articles supplied to us that are used to make our products.

Our variable resistor products do not fall into the category of articles 'with intent for release', therefore we do not need to provide our customers with any additional documentation and at present we do not anticipate any disruptions of product supplies to our customers.

All standard variable resistor products (including potentiometers, trimmers, encoders, steering sensors and turns counting dials) manufactured by TT Electronics - BI Technologies Mexicali, including associated packaging materials do not contain SVHCs in the Candidate List, or substances listed in Annex XIV or restricted within Annex XVII of the EU REACH regulations EC 1907/2006, nor within the corresponding lists and annexes of the UK REACH regulations SI 2020/1577, with the exception of products listed in Appendix A which contain Pb under RoHS exemptions.

All standard variable resistor products manufactured by TT Electronics - BI Technologies Mexicali meet the below requirements of JS709C for low halogen products:

- Contains <1000ppm Br within BFRs
- Contains <1000ppm Cl within CFRs, PVC, PVC congeners, PVC block polymers, PVC copolymers, or polymer alloys containing PVC
- Contains <900ppm Br and <900ppm Cl and <1500ppm total Br+Cl in printed board laminates

For further details on individual products, see the Compliance Tab of the information page for the relevant product on our website. Enter the relevant product type in the Product Data Search box at <http://www.ttelectronics.com>.

Luis M Ferre

Note that this declaration is made in good faith but the standard Terms and Conditions of TT Electronics take precedence over this declaration and no additional liability is accepted

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Additional information on Articles

An article is the legal term under REACH for any object that has been given a specific shape, surface or design so that it can be used for a specific purpose (e.g. manufactured goods such as cars, textiles, electronic chips). REACH requires all substances that are intended to be released from articles during normal and reasonably foreseeable conditions of use to be registered according to the normal rules, if they are produced or imported in quantities exceeding 1 tonne/year per producer or importer. Such notification is not required, however, when exposure to humans and environment can be excluded during normal conditions of use, including disposal, and this applies to all component and subassembly products manufactured by TT Electronics – BI Technologies.

Appendix A

The following product series may contain >0.1% w/w of Pb in a constituent article. Full material declarations are available online on the respective product information pages. Also, SCIP Declarations containing full details for key products are available at:

Encoders: <https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Compliance/SCIP-Reporting-Declaration-Encoders.xlsx>

Potentiometers: <https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Compliance/SCIP-Reporting-Declaration-Potentiometers.xlsx>

Trimmers: <https://www.ttelectronics.com/TTElectronics/media/ProductFiles/Compliance/SCIP-Reporting-Declaration-Trimmers.xlsx>

Product Series	Pb contained	RoHS Exemption
22x trimmer	Lead in cermet	34
23x trimmer	Lead in cermet	34
25x trimmer	Lead in cermet	34
33xx potentiometer	Lead in copper alloy	6(c)
338x potentiometer	Lead in copper alloy	6(c)
35x trimmer	Lead in cermet	34
36x trimmer	Lead in cermet	34
37x trimmer	Lead in cermet	34
43x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
44x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
45x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
53xx potentiometer	Lead in copper alloy	6(c)
56xx potentiometer	Lead in copper alloy	6(c)
6127 hall-effect sensor	Lead in copper alloy	6(c)
618x potentiometer	Lead in copper alloy	6(c)
61xx potentiometer	Lead in copper alloy	6(c)
62x trimmer	Lead oxide in glass	7(c)-I
63xx potentiometer	Lead in copper alloy	6(c)
64x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
66x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
66xx potentiometer	Lead in copper alloy	6(c)
67x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
68x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
72x trimmer	Lead in cermet	34
72xx potentiometer	Lead in copper alloy	6(c)
73xx potentiometer	Lead in copper alloy	6(c)
74xx potentiometer	Lead in copper alloy	6(c)
76xx potentiometer	Lead in copper alloy	6(c)
78x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
81xx potentiometer	Lead in copper alloy	6(c)
82x trimmer	Lead in cermet	34
83x trimmer	Lead in cermet	34
84x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
89x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
90x trimmer	Lead in copper alloy & Lead in cermet	6(c) & 34
91x trimmer	Lead in cermet	34
93x trimmer	Lead in cermet	34
Ax potentiometer	Lead in copper alloy	6(c)
Cx potentiometer	Lead in copper alloy	6(c)
EN05 encoder	Lead in copper alloy	6(c)
EN09 encoder	Lead in copper alloy	6(c)
EN11 encoder	Lead in aluminium alloy, Lead in copper alloy	6(b), 6(c)
EN12 encoder	Lead in copper alloy	6(c)

LM1001	potentiometer	Lead in copper alloy	6(c)
P090x	potentiometer	Lead in copper alloy	6(c)
P120x	potentiometer	Lead in copper alloy	6(c)
P160x	potentiometer	Lead in aluminium alloy, Lead in copper alloy	6(b), 6(c)
P161x	potentiometer	Lead in copper alloy	6(c)
P162x	potentiometer	Lead in copper alloy	6(c)
P163x	potentiometer	Lead in copper alloy	6(c)
P230x	potentiometer	Lead in copper alloy	6(c)
P260x	potentiometer	Lead in copper alloy	6(c)
P261x	potentiometer	Lead in copper alloy	6(c)
P265x	potentiometer	Lead in copper alloy	6(c)
P271x	potentiometer	Lead in copper alloy	6(c)
P272x	potentiometer	Lead in copper alloy	6(c)
P278x	potentiometer	Lead in copper alloy	6(c)
PSL2	potentiometer	Lead in copper alloy	6(c)
SX-4289A	steering sensor	Lead in copper alloy	6(c)
SX-4300A	steering sensor	Lead in copper alloy	6(c)
SX-4388A	steering sensor	Lead in copper alloy	6(c)
SX-4404A	steering sensor	Lead in copper alloy	6(c)
SX-4413A	steering sensor	Lead in copper alloy	6(c)
SX-4414A	steering sensor	Lead in copper alloy	6(c)
SX-4429A	steering sensor	Lead in copper alloy	6(c)
SX-4431A	steering sensor	Lead in copper alloy	6(c)
SX-4432A	steering sensor	Lead in copper alloy	6(c)
SX-4433A	steering sensor	Lead in copper alloy	6(c)
SX-4468	steering sensor	Lead in copper alloy	6(c)
SX-4475A	steering sensor	Lead in copper alloy	6(c)
SX-4476A	steering sensor	Lead in copper alloy	6(c)
SX-4479A	steering sensor	Lead in copper alloy	6(c)
SX-4485	steering sensor	Lead in copper alloy	6(c)
SX-4487A	steering sensor	Lead in copper alloy	6(c)
SX-4491A	steering sensor	Lead in copper alloy	6(c)
SX-4492	steering sensor	Lead in copper alloy	6(c)
SX-4505	steering sensor	Lead in copper alloy	6(c)