

Lithium Battery Test Summary
in accordance with Sub-section 38.3 of UN Manual of Tests and Criteria
for Kontron Motherboards

Motherboard Manufacturer:	Kontron Europe GmbH Gutenbergstraße 2, 85737 Ismaning, Germany
Phone / Email:	+49 821 4086-0 pcmb-sales@kontron.com

Battery Brand:	KTS CR2032
Battery Manufacturer:	Wuhan Lixing (Torch) Power Sources Co. Ltd.

On Kontron motherboards there is a lithium metal coin battery (type CR2032) installed. This has been successfully tested and complies with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3.

PERFORMED TESTS			RESULT
38.3.4.1	T1	Altitude Simulation	Pass
38.3.4.2	T2	Thermal Test	Pass
38.3.4.3	T3	Vibration	Pass
38.3.4.4	T4	Shock	Pass
38.3.4.5	T5	External Short Circuit	Pass
38.3.4.6	T6	Impact / Crush	Pass
38.3.4.7	T7	Overcharge	not applicable
38.3.4.8	T8	Forced Discharge	Pass

The UN38.3 tests were performed by the following test house and were tested to UN manual Test and Criteria, Revision 6 / Amendment 1.

Test House:
Shanghai Research Institute of Chemical Industry Testing Co., Ltd.
No.345 East Yunling Road, Putuo, Shanghai, China 200062
Telephone: +8621- 31765555
Email: battery@ghs.cn Website: www.ghs.cn

Battery Test Information:

Battery type	Physical description	Battery weight [g]	Lithium content [g]	Test report number	Test report date
CR2032	Lithium metal	3	0.06	1121010073	2021-02-04

Signature:



Name of the signer in print:

Wilbert Mertes

Title of the signer:

Senior Product Manager
Kontron Product Center Boards