



REACH Certificate of Compliance

We hereby certifies that Yoctopuce has assessed the compliance of the product **Mini-Battery-Supervisor (MUSBLDOO)** with the requirements of EU chemicals regulation (EC) 1907/2006 (REACH). As a manufacturer of articles considered as *complex objects* by REACH regulation, Yoctopuce must determine whether a Candidate List of substances very high concern (SVHC) is present in a concentration above 0.1% weight by weight in any component used to build the product **Mini-Battery-Supervisor**. For any such substance, Yoctopuce has the obligation to communicate to its customers regarding the existence of the SVHC, and if applicable to provide information to allow safe use of the product in case there is any risk of exposure or release of the substance.

Yoctopuce has performed this assessment according to the methodology recommended by the IEC 63000:2016 standard. Yoctopuce has obtained from every manufacturers of components used to build the **Mini-Battery-Supervisor**, either directly or through an authorized reseller, a dated document that asserts the latest evaluation by the component manufacturer with respect to the Candidate List of SVHC. This assessment is repeated periodically to check for possible updates as the Candidate List evolves.

Based on the collected evidence, Yoctopuce certifies that the **Mini-Battery-Supervisor** is compliant with the requirements of EU chemicals regulation (EC) 1907/2006 (REACH), and informs its customers of the presence of substances of very high concern as follows:

EC number	CAS number	Substance name	SCIP registration
231-100-4	7439-92-1	Pb (Plomb / Lead)	3ba24d4e-6c31-4de0-a224-bd4b58d119eb

The use of lead is limited to the authorised RoHS exemptions as per European Directive 2011/65/UE. The presence of SVHC within electronic components does not impact the safe use of the product. The product should however be brought to the appropriate electronic waste collection point at end of life.

For all intents and purposes, the complete list of components and materials currently used is attached, with an indication of the date of assessment by the component manufacturer taken into account, and if any, the exact list of SVHC announced for each component. This document is therefore updated on a regular basis.

Yoctopuce keeps abreast of the legislative adaptations, in particular concerning the evolution of the REACH Substance of Very High Concern (SVHC) List. If need be, the products will be adapted according to the new standards.

Cartigny, 13 August 2021

Marc Vuilleumier Stükelberg
Partner



Exhaustive list of components and materials currently used to build the Mini-Battery-Supervisor

Component	Manufacturer	Type	Statement date	SVHC declared by manufacturer
C2012X7R1V225K125AE	TDK	Capacitor	25 June 2020	none
C2012X7R2E472K085AA	TDK	Capacitor	25 June 2020	none
CGA4C2C0G1H103J060AA	TDK	Capacitor	25 June 2020	none
885_012_206_071	Würth Electronic	Capacitor	19 April 2021	none
MUSB-K552-30	Amphenol	Connector	11 August 2021	none
M52-5000445	Harwin	Connector	12 February 2021	EC #231-100-4: Lead, as per declared RoHS exemptions
691_210_910_002	Würth Electronic	Connector	19 April 2021	EC #231-100-4: Lead, as per declared RoHS exemptions SCIP: 3ba24d4e-6c31-4de0-a224-bd4b58d119eb
BAT54CWT1G	ON Semiconductor	Diode	26 June 2020	none
SELECT-10	Kester	Flux	12 October 2020	none
LP38692SD-5.0/NOPB	Texas Instruments	LDO regulator	09 March 2021	none
DMP3098L-7	Diodes Incorporated	P-FET	02 November 2020	none
FR4-ENIG	Multi-cb	PCB	01 July 2020	none
PMBTA64,215	Nexperia	PNP transistor	01 February 2021	none
RK73H1JTTD4R70F	KOA speaker electronics	Resistor	01 September 2020	none
RN731JTTD1583B25	KOA speaker electronics	Resistor	01 September 2020	none
RN731JTTD1782B25	KOA speaker electronics	Resistor	01 September 2020	none
ERJ-PA3F2490V	Panasonic	Resistor	31 August 2020	none
RG1608P-563-B-T5	Susumu	Resistor	30 September 2020	none
RG1608P-9312-B-T5	Susumu	Resistor	30 September 2020	none
RC0603FR-07100KL	Yageo	Resistor	30 June 2020	none
RC0603FR-071KL	Yageo	Resistor	30 June 2020	none
RC0603FR-071ML	Yageo	Resistor	30 June 2020	none
04-7068-0000	Kester	SAC305 bar	12 October 2020	none
24-7068-7603	Kester	SAC305 wire	12 October 2020	none
TPS3711DDCR	Texas Instruments	Sensor	09 March 2021	none
SB6N58-M500SI	KOKI	Solder paste	09 November 2020	none
TPS2115ADRBR	Texas Instruments	Switch	09 March 2021	none
416_131_160_802	Würth Electronic	Switch	19 April 2021	none