



RoHS Certificate of Compliance

Yoctopuce hereby certifies that it has assessed the compliance of the product **Yocto-Watt** (YWATTMK1) with the requirements of European Directive 2011/65/UE with amendment 2015/863 according to the methodology recommended by the IEC 63000:2016 Standard "*Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances*", in conformity with Module A of Decision 768/2008/EC.

For each and every component used to build the **Yocto-Watt**, Yoctopuce has obtained from the manufacturer a document that demonstrates the compliance with the directive. The quality and trustworthiness of the documents has been evaluated, and additional information has been requested in case of doubt on the thoroughness of the documents or on the manufacturer's knowledge of the directive. Wherever evidence was lacking, components have been replaced by similar components from other manufacturers compliant with the directive.

Based on the collected evidence, Yoctopuce certifies that the **Yocto-Watt** is compliant with the restricted substance requirements of European Directive RoHS 2015/863, using the following exemptions:

- 6(c): Copper alloy containing up to 4% lead by weight
- 7(c)-I: Electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors

For all intents and purposes, the complete list of components and materials currently used is attached, with an indication of the directive version taken into account by the manufacturer, the type of the supporting document, and the list of exemptions required for each component. Whenever alternative components have been used in the past, variants are also listed separately. This document is therefore updated on a regular basis.

Yoctopuce keeps abreast of the legislative adaptations, in particular concerning the evolution of and the renewal of expiring exemptions. If need be, the products will be adapted according to the new standards.

Cartigny, 24 April 2023

Marc Vuilleumier Stükelberg
Partner

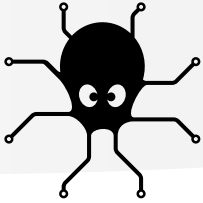


Exhaustive list of components and materials currently used to build the Yocto-Watt

Component	Manufacturer	Type	Compliance	Exemptions	Evidence
ADS1114IDGST	Texas Instruments	A/D converter	RoHS 2015/863	-	Analytical test results
AA2214QBS/D	Kingbright	Blue LED	RoHS 2015/863	-	Manufacturer Certificate of Compliance
06031C103JAT2A	AVX (Kyocera)	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
502R29W102KV3E-****-SC	Johanson dielectrics	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
C0603C102K5RACTU	Kemet	Capacitor	RoHS 2015/863	-	Manufacturer Material Declaration
C1608X6S1A106M080AC	TDK	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
C2012X7R2E472K085AA	TDK	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
CGA3E1X7S1C225K080AC	TDK	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
JMK107BB7475KA-T	Taiyo Yuden	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
885012206026	Wuerth Electronic	Capacitor	RoHS 2015/863	-	Manufacturer Material Declaration
885012206071	Wuerth Electronic	Capacitor	RoHS 2015/863	-	Manufacturer Material Declaration
ZX62-B-5PA(33)	Hirose	Connector	RoHS 2015/863	-	Manufacturer Certificate of Compliance
691313410002	Wuerth Electronic	Connector	RoHS 2015/863	-	Manufacturer Material Declaration
691351400002	Wuerth Electronic	Connector	RoHS 2015/863	6(c)	Manufacturer Certificate of Compliance
FAN4010L6X-F113	Fairchild (On Semiconductor)	Current sensor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
REM1-0505S	Recom	DC/DC converter	RoHS 2015/863	-	Analytical test results
IS25LP064A-JKLE-TR	ISSI	Flash memory	RoHS 2015/863	-	Manufacturer Certificate of Compliance
SELECT-10	Kester	Flux	RoHS 2015/863	-	Analytical test results
PFNF.020.2	Schurter	Fuse	RoHS 2015/863	-	Manufacturer Material Declaration
PFL4514-223MEC	Coilcraft	Inductor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
ISO1640BDR	Texas Instruments	Isolator	RoHS 2015/863	-	Analytical test results
MCP1703T-3302E/CB	Microchip	LDO regulator	RoHS 2015/863	-	Manufacturer Material Declaration
AMPMDFB-24.0000T	Abracon	MEMS Oscillator	RoHS 2015/863	-	Manufacturer Certificate of Compliance
FR4-ENIG	TOM-iC	PCB	RoHS 2015/863	-	Manufacturer Certificate of Compliance
PIC24FJ64GB002-I/ML	Microchip	Processor	RoHS 2015/863	-	Manufacturer Material Declaration
TLR3APDTE5L00F50	KOA speer electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
RG1608P-122-B-T5	Susumu	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-100KFT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-100RFT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-10KFT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-150RFT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-180RFT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-1M0FT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-1R0FT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-47KFT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
GWCR0603-4K7FT5	TT electronics	Resistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
TNPW1206165KBEEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
04-7068-0000	Kester	SAC305 bar	RoHS 2015/863	-	Manufacturer Certificate of Compliance
24-7068-7603	Kester	SAC305 wire	RoHS 2015/863	-	Manufacturer Certificate of Compliance
SB6N58-M500SI	KOKI	Solder paste	RoHS 2015/863	-	Manufacturer Certificate of Compliance
KMR211NG LFS	C&K Components	Switch	RoHS 2015/863	-	Manufacturer Certificate of Compliance
VC080505C150DP	AVX (Kyocera)	Varistor	RoHS 2015/863	-	Manufacturer Certificate of Compliance

Alternate components that may have been used in the past to build the Yocto-Watt

Component	Manufacturer	Type	Compliance	Exemptions	Evidence
GRM188R60J105KA01D	Murata	Capacitor	RoHS 2011/65/UE	-	Manufacturer Certificate of Compliance
GRM188R61C225KE15D	Murata	Capacitor	RoHS 2011/65/UE	-	Manufacturer Certificate of Compliance
EMK107BB7225KA-T	Taiyo Yuden	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
LMK107B7105KA-T	Taiyo Yuden	Capacitor	RoHS 2015/863	-	Manufacturer Certificate of Compliance
ISO1641BDR	Texas Instruments	Isolator	RoHS 2015/863	-	Analytical test results
ASDMB-24.000MHZ-LC-T	Abracon	MEMS Oscillator	RoHS 2015/863	-	Manufacturer Certificate of Compliance
RK73H1JTTD1800F	KOA speer electronics	Resistor	RoHS 2011/65/UE	7(c)-I	Manufacturer Certificate of Compliance
RK73H1JTTD4702F	KOA speer electronics	Resistor	RoHS 2011/65/UE	7(c)-I	Manufacturer Certificate of Compliance
CRCW0603100KFKEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW0603100KJNEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW0603100RFKEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW0603100RJNEB	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW060310K0FKEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW060310K0JNEB	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW0603150RFKEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW06031M00FKEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW06031M00JNEB	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance



CRCW06031R00FKEAC	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
CRCW06031R00FNEA	Vishay	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
301-4.7K-RC	Xicon Passive Components	Resistor	Yes, no details	7(c)-I	Compliance statement
AC0603FR-074K7L	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
AC0603FR-07100KL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
AC0603FR-07100RL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
AC0603FR-0710KL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
AC0603FR-07150RL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
RC0603FR-07180RL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
RC0603FR-071ML	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
RC0603FR-071RL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
AC0603FR-0747KL	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance
RC0603FR-074K7L	Yageo	Resistor	RoHS 2015/863	7(c)-I	Manufacturer Certificate of Compliance