

RoHS Compliance of Products

This is to certify that the product types listed in the enclosed table of standard sensor elements conform with the

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS directive) (last Amendment with Directive 2015/863/EU)

The listed product types do not contain mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), bis(2-ethylhexyl) phthalate (DEHP), butyl benzyl phthalate (BBP), dibutyl phthalate (DBP) and diisobutyl phthalate (DIBP).

But the listed products can contain lead / a lead component which is explained as follows:

Lead (Pb) / lead components:

The sensor types can contain lead in form of lead oxide (PbO), which is combined with / fixed in the glass layers of the sensor element, and / or lead as alloying element of brass (copper alloy).

According to **figure 7c-I** of the annex of the directive 2011/65/EU the use of "lead in glass of ... electronic components" is exempted from the requirements of Article 4(1) of the directive.

According to **figure 6c** of the annex of the directive 2011/65/EU the use of "copper alloy containing up to 4% lead" is exempted from the requirements of Article 4(1) of the directive. For those articles with exemption 6c a SCIP notification is done.

Under consideration of the explained exemption and under consideration of quantity limits for restricted materials the listed product types are in compliance with the EU directive 2011/65/EU.

The declaration is only valid for standard sensor elements (affected part numbers see enclosed list). Any change of the listed product types like for example extension with other lead material and/or housing and/or insulation and/or other changes made by Yageo Nexensos GmbH and/or made by the customer itself requires a new evaluation of the final sensor type / article for compliance with the RoHS directive.

Yageo Nexensos GmbH





i.A. P. Krämer
Global Head of Lean & Quality

i.A. J. Goldammer
Quality Management & EHS









RoHS Compliance of Products

China RoHS Compliance of Products




(valid for standard sensor elements)

Product type	Connection material	Part /Oder-Number	RoHS	China RoHS							Environmental friendly use period 环境友善使用期限 (EFUP)
			RoHS exemption	Hazardous Substances / 有害物质							
				Component Name 部件名称	Lead 铅 (Pb)	Mercury 汞 (Hg)	Cadmium 镉 (Cd)	Chromium VI 六价铬 (Cr VI)	Poly-brominated biphenyls 多溴联苯 (PBB)	Poly-brominated diphenyl ethers 多溴二苯醚 (PBDE)	
C 220	AgPd	32207399	None	n/a	○	○	○	○	○	○	
C 416	AuPd	32208519	7c-I	Glass	X	○	○	○	○	○	
C 420	AgPd	32207502	None	Glass	○	○	○	○	○	○	
H 540S	Pt	5084080	None	n/a	○	○	○	○	○	○	
HL 220	NiCr-Pt	32208779	None	n/a	○	○	○	○	○	○	
HDA 420	Pt	5052797 32208771 32208775	None	n/a	○	○	○	○	○	○	
HDZ 420	Pt	5118189	None	n/a	○	○	○	○	○	○	
HD 421	Pt	32208228	None	n/a	○	○	○	○	○	○	




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L 220	AgPd	32207333 32207400 32207519 32207584 32207588 32207733 32207738	None	n/a	○	○	○	○	○	○	○	
L 200 P	AgPd	32207608	None	n/a	○	○	○	○	○	○	○	
L 416	AgPd	32207440 32207583	None	n/a	○	○	○	○	○	○	○	
L 420	AgPd	32207582 32207587 32207704	None	n/a	○	○	○	○	○	○	○	
L 1020	AgPd	32207581 32207710	None	n/a	○	○	○	○	○	○	○	
LN 222	NiAg	32207770 32207771 32207772 32207773	None	n/a	○	○	○	○	○	○	○	
M 213	NiPt	32207690 32207691 32207692 32207695	None	n/a	○	○	○	○	○	○	○	
M 219	NiPt	32208728	7c-I	Glass	X	○	○	○	○	○	○	

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M 220	NiPt	5169454 32208440 32208463 32208465 32208466 32208714 32208715	7c-I	Glass	X	O	O	O	O	O	O	
M 222	NiPt	5106064 32208548 32208550 32208551 32208557 32208571 32208572 32208573 32208706 32208707 32208712 32208718 32208719	7c-I	Glass	X	O	O	O	O	O	O	
M 222 Pb free	NiPt	5128482 5153908 5153909 5153910 5185609 5185611 5185643 5185645 5185646 5185648	None	n/a	O	O	O	O	O	O	O	

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M 310	NiPt	5014252 5014253 5014254 5014255 32208721 32208723 32208725 32208727 32208730 32208731	7c-I	Glass	X	O	O	O	O	O		
M 416	NiPt	32208213 32208216 32208217 32208278 32208279	7c-I	Glass	X	O	O	O	O	O		
M 422	NiPt	32208392 32208414 32208498 32208499 32208500 32208501 32208502 32208503 32208520 32208521 32208522 32208523 32208524 32208526 32208527 32208537	7c-I	Glass	X	O	O	O	O	O		








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M 620	NiPt	32208541	7c-I	Glass	X	O	O	O	O	O		
M 1020	NiPt	32208180 32208191 32208280 32208286 32208427 32208428 32208429 32208438 32208439 32208482 32208483 32208734	7c-I	Glass	X	O	O	O	O	O		
MH 220	NiPt	32207420	None	n/a	O	O	O	O	O	O		
MR 828	NiPt	32209340 32209342 32209343 32209352	7c-I	Glass	X	O	O	O	O	O		
PCB 1325	Tinned Cu pads	30201106 30201107	None	n/a	O	O	O	O	O	O		
PCB 2225	Tinned Cu pads	30201063 30201075	None	n/a	O	O	O	O	O	O		
PCB 2240	Tinned Cu pads	30201067 30201069	None	n/a	O	O	O	O	O	O		

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SMD-V 0603	Tinned edge metallization	5034887 32207637 32207638	None	n/a	○	○	○	○	○	○		
SMD-V 0805	Tinned edge metallization	5034886 32207604 32207605 32207614 32207615	None	n/a	○	○	○	○	○	○		
SMD-V 1206	Tinned edge metallization	5034885 32207589 32207590 32207594 32207595	None	n/a	○	○	○	○	○	○		
SMD 0805 FC	AgPt metallization	32208569 32208570 32208594 32208595	None	n/a	○	○	○	○	○	○		
SMD 1206 SC Sinter	AgPt / AgPd metallization	5033344	None	n/a	○	○	○	○	○	○		
SMD 1206 SC Solder	AgPt / AgPd metallization	5147921	None	n/a	○	○	○	○	○	○		
SOT 223	Sn plated Cu alloy	32209116	None	n/a	○	○	○	○	○	○		
CE series	Extension wire	5157679 5157701 5165634	7c-I	Glass	X	○	○	○	○	○		

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EC series	Extension wire	5016951 5161009 5180937 5184744 5185070 5185071 5185633 5185634 5196848 5192571	7c-I	Glass	X	O	O	O	O	O		
MT series	Extension wire	30500109 31500989 5191924 5191925	7c-I	Glass	X	O	O	O	O	O		
PY series	Extension wire	30504002 31600393 5145162	7c-I	Glass	X	O	O	O	O	O		
RT series	Extension wire	5203018 5203017	7c-I	Glass	X	O	O	O	O	O		
TH series	Extension wire	5202006 5202008	7c-I	Glass	X	O	O	O	O	O		
TH series Hexa	Extension wire	30010000 30010007	7c-I, 6c	Glass, Screw Bush	X	O	O	O	O	O		
WE series	Extension wire Ni	5157675 5157676 5157677 30200145	7c-I	Glass	X	O	O	O	O	O		

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