

## 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).

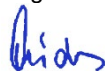
According to **figure 7c-1** of the annex of the directive 2011/65/EU the use of "lead in glass of ... electronic components ... ." is exempted from the requirements of Article 4(1) of the directive.

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



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Head of Quality Management

Table of standard sensor elements

Type	Connection Material	RoHS exemption	Type	Connection Material	RoHS exemption
C 220	AgPd	None	C 416	AuPd	7c-I
C 420	AgPd	7c-I			
H 540S	Pt	None	HL 220	NiCr-Pt	None
HDA 420	Pt	None	HD 421	Pt	None
HDZ 420	Pt	None			
L 220	AgPd	None	L 220 P	AgPd	None
L 416	AgPd	None	L 420	AgPd	None
L 1020	AgPd	None			
LN 222	NiAg	None			
M 213	NiPt	None	M 219	NiPt	7c-I
M 220 / 222	NiPt	7c-I	M 222 Pb free	NiPt	None
M 310	NiPt	7c-I	M 416	NiPt	7c-I
M 419	NiPt	7c-I	M 422	NiPt	7c-I
M 620	NiPt	7c-I	M 1020	NiPt	7c-I
MR 828	NiPt	7c-I			
PCB 1325	Tinned Cu pads	None	PCB 2225	Tinned Cu pads	None
PCB 2240	Tinned Cu pads	None			
SMD-V 0603	Tinned edge metallization	None	SMD-V 0805	Tinned edge metallization	None
SMD-V 1206	Tinned edge metallization	None			
SMD 0805 FC	AgPt metallization	None			
SMD 1206 SC Sinter	AgPt / AgPd metallization	None	SMD 1206 SC Solder	AgPt / AgPd metallization	None
SOT 223	Sn plated Cu alloy	None			
CE series	Extension wire	7c-I	EC series	Extension wire	7c-I
MT series	Extension wire	7c-I	PY series	Extension wire	7c-I
TH series Hexa	Extension wire	6c, 7c-I	WE series	Extension wire Ni	7c-I

We reserve the right to make alterations and technical data printed. All data serve as a guideline and do not guarantee particular properties to any product.

Table of affected products

Type	Part / Order number	RoHS Exemption
C220	32207399	None
C416	32208519	7c-I
C420	32207502	7c-I
H540 S	5084080	None
HL220	32208779	None
HDA420	5052797	None
HDA420	32208771	None
HDA420	32208775	None
HD421	32208228	None
HDZ420	5118189	None
L220	32207400	None
L220	32207584	None
L220	32207588	None
L220	32207733	None
L220	32207738	None
L220 P	32207608	None
L416	32207440	None
L416	32207583	None
L420	32207582	None
L420	32207587	None
L420	32207704	None
L1020	32207581	None
L1020	32207710	None
LN222	32207770	None
LN222	32207771	None
LN222	32207772	None
LN222	32207773	None
M213	32207690	None

Type	Part / Order number	RoHS Exemption
M213	32207691	None
M213	32207692	None
M213	32207695	None
M219	32208728	7c-I
M222	5106064	7c-I
M220 AEC-Q200	5169454	7c-I
M220	32208440	7c-I
M220	32208463	7c-I
M220	32208465	7c-I
M220	32208466	7c-I
M222	32208548	7c-I
M222	32208550	7c-I
M222	32208551	7c-I
M222	32208571	7c-I
M222	32208572	7c-I
M222	32208706	7c-I
M222	32208707	7c-I
M222	32208712	7c-I
M220	32208714	7c-I
M220	32208715	7c-I
M222	32208718	7c-I
M222 Pb-free	5128482	None
M222 Pb-free	5153908	None
M222 Pb-free	5153909	None
M222 Pb-free	5153910	None
M222 Pb-free	5185609	None
M222 Pb-free	5185611	None
M222 Pb-free	5185643	None
M222 Pb-free	5185645	None
M222 Pb-free	5185646	None

Type	Part / Order number	RoHS Exemption
M222 Pb-free	5185648	None
M310	5014252	7c-I
M310	5014253	7c-I
M310	5014254	7c-I
M310	5014255	7c-I
M310	32208721	7c-I
M310	32208723	7c-I
M310	32208725	7c-I
M310	32208727	7c-I
M416	32208213	7c-I
M416	32208216	7c-I
M416	32208217	7c-I
M416	32208278	7c-I
M416	32208279	7c-I
M422	32208392	7c-I
M422	32208414	7c-I
M422	32208498	7c-I
M422	32208499	7c-I
M422	32208500	7c-I
M422	32208501	7c-I
M422	32208502	7c-I
M422	32208503	7c-I
M422	32208520	7c-I
M422	32208521	7c-I
M422	32208522	7c-I
M422	32208523	7c-I
M422	32208524	7c-I
M422	32208526	7c-I
M422	32208527	7c-I
M422	32208537	7c-I

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Type	Part / Order number	RoHS Exemption
M620	32208541	7c-I
M1020	32208180	7c-I
M1020	32208191	7c-I
M1020	32208280	7c-I
M1020	32208286	7c-I
M1020	32208427	7c-I
M1020	32208428	7c-I
M1020	32208429	7c-I
M1020	32208438	7c-I
M1020	32208439	7c-I
M1020	32208482	7c-I
M1020	32208483	7c-I
M1020	32208734	7c-I
MR828	32209340	7c-I
MR828	32209342	7c-I
MR828	32209343	7c-I
PCB1325.4	30201106	None
PCB1325.4	30201107	None
PCB2225	30201063	None
PCB2225	30201075	None
PCB2240	30201067	None
PCB2240	30201069	None
SMD 0603 AEC-Q200	5034887	None
SMD 0603	32207637	None
SMD 0603	32207638	None
SMD 0805 AEC-Q200	5034886	None
SMD 0805	32207604	None
SMD 0805	32207605	None
SMD 0805	32207614	None
SMD 0805	32207615	None

Type	Part / Order number	RoHS Exemption
SMD 1206 AEC-Q200	5034885	None
SMD 1206	32207589	None
SMD 1206	32207590	None
SMD 1206	32207594	None
SMD 1206	32207595	None
SMD 0805 FC	32208569	None
SMD 0805 FC	32208570	None
SMD 0805 FC	32208594	None
SMD 0805 FC	32208595	None
SMD 1206 SC Sinter	5033344	None
SMD 1206 SC Solder	5147921	None
SOT223	32209116	None
CE-Series	5157679	7c-I
CE-Series	5157701	7c-I
CE-Series	5165634	7c-I
EC-Series	5016951	7c-I
EC-Series	5161009	7c-I
EC-Series	5180937	7c-I
EC-Series	5184744	7c-I
EC-Series	5185633	7c-I
EC-Series	5185634	7c-I
MT-Series	30500109	7c-I
MT-Series	31500989	7c-I
PY-Series	30504002	7c-I
PY-Series	31600393	7c-I
TH-Series Hexa	30010000	6c, 7c-I
TH-Series Hexa	30010007	6c, 7c-I
WE-Series	5157675	7c-I
WE-Series	5157676	7c-I
WE-Series	5157677	7c-I

Type	Part / Order number	RoHS Exemption
WE-Series	30200145	7c-I

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