



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE9879QXW40	<b>Issued</b>	08. April 2022
<b>MA#</b>	MA004807184		
<b>Package</b>	PG-VQFN-48-70	<b>Weight*</b>	126.18 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	5.040	3.99	3.99	39943	39943
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		146	
	non noble metal	zinc	7440-66-6	0.073	0.06		582	
	non noble metal	iron	7439-89-6	1.469	1.16		11643	
	non noble metal	copper	7440-50-8	59.652	47.29	48.52	472770	485141
wires	noble metal	palladium	7440-05-3	0.006			48	
	non noble metal	copper	7440-50-8	0.595	0.47	0.47	4716	4764
encapsulation	inorganic material	titandioxide	13463-67-7	2.198	1.74		17420	
	plastics	epoxy resin	-	8.792	6.97		69678	
	inorganic material	silicondioxide	60676-86-0	43.959	34.84	43.55	348392	435490
leadfinish	non noble metal	tin	7440-31-5	2.373	1.88	1.88	18805	18805
plating	noble metal	silver	7440-22-4	0.356	0.28	0.28	2819	2819
glue	plastics	epoxy resin	-	0.263	0.21		2086	
	noble metal	silver	7440-22-4	1.382	1.10	1.31	10952	13038
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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