

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE92104-232QX	**Issued**	22. April 2022
MA#	MA005429033		
Package	PG-VQFN-48-31	**Weight***	129.31 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	2.246	1.74	1.74	17370	17370
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		139	
	non noble metal	zinc	7440-66-6	0.072	0.06		554	
	non noble metal	iron	7439-89-6	1.433	1.11		11083	
	non noble metal	copper	7440-50-8	58.193	44.99	46.17	450031	461807
wire	non noble metal	copper	7440-50-8	0.514	0.40	0.40	3976	3976
encapsulation	organic material	carbon black	1333-86-4	0.189	0.15		1459	
	plastics	epoxy resin	-	7.987	6.18		61768	
	inorganic material	silicondioxide	60676-86-0	54.715	42.31	48.64	423132	486359
leadfinish	non noble metal	tin	7440-31-5	2.596	2.01	2.01	20079	20079
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4747	4747
glue	plastics	epoxy resin	-	0.168	0.13		1302	
	noble metal	silver	7440-22-4	0.564	0.44	0.57	4360	5662
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com