

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE9845QX	**Issued**	25. August 2021
MA#	MA005431685		
Package	PG-VQFN-48-31	**Weight***	129.64 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	3.417	2.64	2.64	26360	26360
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		138	
	non noble metal	zinc	7440-66-6	0.072	0.06		553	
	non noble metal	iron	7439-89-6	1.433	1.11		11055	
	non noble metal	copper	7440-50-8	58.193	44.89	46.07	448880	460626
wire	non noble metal	copper	7440-50-8	0.599	0.46	0.46	4622	4622
encapsulation	organic material	carbon black	1333-86-4	0.185	0.14		1429	
	plastics	epoxy resin	-	7.840	6.05		60477	
	inorganic material	silicondioxide	60676-86-0	53.708	41.43	47.62	414288	476194
leadfinish	non noble metal	tin	7440-31-5	2.596	2.00	2.00	20028	20028
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4735	4735
glue	plastics	epoxy resin	-	0.222	0.17		1710	
	noble metal	silver	7440-22-4	0.742	0.57	0.74	5725	7435
*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.
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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.

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