

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE9854QXW	**Issued**	08. February 2022
MA#	MA005209750		
Package	PG-VQFN-48-29	**Weight***	130.13 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	4.258	3.27	3.27	32720	32720
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		138	
	non noble metal	zinc	7440-66-6	0.072	0.06		551	
	non noble metal	iron	7439-89-6	1.433	1.10		11014	
	non noble metal	copper	7440-50-8	58.193	44.72	45.89	447203	458906
wire	noble metal	gold	7440-57-5	0.855	0.66	0.66	6567	6567
encapsulation	organic material	carbon black	1333-86-4	0.183	0.14		1406	
	plastics	epoxy resin	-	7.743	5.95		59506	
	inorganic material	silicondioxide	60676-86-0	53.044	40.76	46.85	407637	468549
leadfinish	non noble metal	tin	7440-31-5	2.596	2.00	2.00	19953	19953
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4717	4717
glue	plastics	epoxy resin	-	0.257	0.20		1975	
	noble metal	silver	7440-22-4	0.861	0.66	0.86	6613	8588
*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.

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