

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE9853QX	**Issued**	08. April 2021
MA#	MA005209754		
Package	PG-VQFN-48-31	**Weight***	129.84 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	3.28	3.28	32792	32792
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		138	
	non noble metal	zinc	7440-66-6	0.072	0.06		552	
	non noble metal	iron	7439-89-6	1.433	1.10		11038	
	non noble metal	copper	7440-50-8	58.193	44.83	46.00	448195	459923
wire	non noble metal	copper	7440-50-8	0.616	0.47	0.47	4748	4748
encapsulation	organic material	carbon black	1333-86-4	0.183	0.14		1408	
	plastics	epoxy resin	-	7.737	5.96		59589	
	inorganic material	silicondioxide	60676-86-0	53.001	40.82	46.92	408207	469204
leadfinish	non noble metal	tin	7440-31-5	2.596	2.00	2.00	19997	19997
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4728	4728
glue	plastics	epoxy resin	-	0.257	0.20		1980	
	noble metal	silver	7440-22-4	0.861	0.66	0.86	6628	8608
*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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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.

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