



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLF30681QVS01	Issued	17. May 2021
MA#	MA005407878		
Package	PG-VQFN-48-31	Weight*	130.16 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	5.448	4.19	4.19	41853	41853
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		11011	
	non noble metal	copper	7440-50-8	58.193	44.72	45.89	447078	458778
wire	non noble metal	copper	7440-50-8	0.703	0.54	0.54	5402	5402
encapsulation	organic material	carbon black	1333-86-4	0.179	0.14		1377	
	plastics	epoxy resin	-	7.590	5.83		58309	
	inorganic material	silicondioxide	60676-86-0	51.993	39.94	45.91	399443	459129
leadfinish	non noble metal	tin	7440-31-5	2.596	1.99	1.99	19947	19947
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4716	4716
glue	plastics	epoxy resin	-	0.305	0.23		2340	
	noble metal	silver	7440-22-4	1.020	0.78	1.01	7835	10175
*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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