



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLD5541-2QV	Issued	12. May 2021
MA#	MA001710522		
Package	PG-VQFN-48-31	Weight*	129.47 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	2.470	1.91	1.91	19077	19077
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		11070	
	non noble metal	copper	7440-50-8	58.193	44.94	46.12	449476	461237
wire	non noble metal	copper	7440-50-8	0.651	0.50	0.50	5029	5029
encapsulation	organic material	carbon black	1333-86-4	0.188	0.15		1451	
	plastics	epoxy resin	-	7.955	6.14		61444	
	inorganic material	silicondioxide	60676-86-0	54.496	42.09	48.38	420918	483813
leadfinish	non noble metal	tin	7440-31-5	2.596	2.01	2.01	20054	20054
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4741	4741
glue	plastics	epoxy resin	-	0.180	0.14		1391	
	noble metal	silver	7440-22-4	0.603	0.47	0.61	4658	6049
*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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