

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLD5501-2QV	**Issued**	18. August 2021
MA#	MA005578234		
Package	PG-VQFN-48-31	**Weight***	129.45 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	19080	19080
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		138	
	non noble metal	zinc	7440-66-6	0.072	0.06		554	
	non noble metal	iron	7439-89-6	1.433	1.11		11072	
	non noble metal	copper	7440-50-8	58.193	44.94	46.12	449550	461314
wire	non noble metal	copper	7440-50-8	0.623	0.48	0.48	4815	4815
encapsulation	organic material	carbon black	1333-86-4	0.188	0.15		1452	
	plastics	epoxy resin	-	7.956	6.15		61460	
	inorganic material	silicondioxide	60676-86-0	54.501	42.10	48.40	421028	483940
leadfinish	non noble metal	tin	7440-31-5	2.596	2.01	2.01	20058	20058
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4742	4742
glue	plastics	epoxy resin	-	0.180	0.14		1392	
	noble metal	silver	7440-22-4	0.603	0.47	0.61	4659	6051
*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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