



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLD5501-2QV	Issued	12. May 2021
MA#	MA001710524		
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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com