



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLD5541-1QV	Issued	24. June 2021
MA#	MA001680142		
Package	PG-VQFN-48-31	Weight*	129.27 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	1.790	1.38	1.38	13850	13850
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		139	
	non noble metal	zinc	7440-66-6	0.072	0.06		554	
	non noble metal	iron	7439-89-6	1.433	1.11		11087	
	non noble metal	copper	7440-50-8	58.193	45.02	46.20	450182	461962
wire	non noble metal	copper	7440-50-8	0.595	0.46	0.46	4602	4602
encapsulation	organic material	carbon black	1333-86-4	0.190	0.15		1470	
	plastics	epoxy resin	-	8.042	6.22		62210	
	inorganic material	silicondioxide	60676-86-0	55.088	42.62	48.99	426163	489843
leadfinish	non noble metal	tin	7440-31-5	2.596	2.01	2.01	20086	20086
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4749	4749
glue	plastics	epoxy resin	-	0.146	0.11		1129	
	noble metal	silver	7440-22-4	0.489	0.38	0.49	3779	4908
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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