



Material Content Data Sheet



Halogen-Free

Sales Product Name TLE9867QXW20

Issued

08. February 2022

MA# MA005413091

Package PG-VQFN-48-29

Weight*

130.22 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	4.821	3.70	3.70	37020	37020
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		138	
	non noble metal	zinc	7440-66-6	0.072	0.06		550	
	non noble metal	iron	7439-89-6	1.433	1.10		11006	
	non noble metal	copper	7440-50-8	58.193	44.70	45.87	446880	458574
wire	noble metal	gold	7440-57-5	0.823	0.63	0.63	6324	6324
encapsulation	organic material	carbon black	1333-86-4	0.181	0.14		1392	
	plastics	epoxy resin	-	7.675	5.89		58939	
	inorganic material	silicondioxide	60676-86-0	52.577	40.38	46.41	403755	464086
leadfinish	non noble metal	tin	7440-31-5	2.596	1.99	1.99	19938	19938
plating	noble metal	silver	7440-22-4	0.614	0.47	0.47	4714	4714
glue	plastics	epoxy resin	-	0.280	0.21		2149	
	noble metal	silver	7440-22-4	0.937	0.72	0.93	7195	9344
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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