



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE8242-2L	<b>Issued</b>	13. April 2021
<b>MA#</b>	MA002843740		
<b>Package</b>	PG-LQFP-64-20	<b>Weight*</b>	384.44 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	23.915	6.22	6.22	62207	62207
leadframe	inorganic material	phosphorus	7723-14-0	0.039	0.01		102	
	non noble metal	zinc	7440-66-6	0.156	0.04		407	
	non noble metal	iron	7439-89-6	3.128	0.81		8138	
	non noble metal	copper	7440-50-8	127.029	33.04	33.90	330427	339074
wire	non noble metal	copper	7440-50-8	0.861	0.22	0.22	2239	2239
encapsulation	organic material	carbon black	1333-86-4	1.114	0.29		2899	
	plastics	epoxy resin	-	30.090	7.83		78270	
	inorganic material	silicondioxide	60676-86-0	191.684	49.88	58.00	498608	579777
leadfinish	noble metal	silver	7440-22-4	0.001			2	
	noble metal	palladium	7440-05-3	0.001			3	
	noble metal	gold	7440-57-5	0.002			5	
	non noble metal	nickel	7440-02-0	1.779	0.46	0.46	4627	4637
plating	noble metal	silver	7440-22-4	0.000			1	
	noble metal	gold	7440-57-5	0.000			1	
	noble metal	palladium	7440-05-3	0.000			1	
	non noble metal	nickel	7440-02-0	0.267	0.07	0.07	695	698
glue	plastics	epoxy resin	-	1.093	0.28		2842	
	noble metal	silver	7440-22-4	3.278	0.85	1.13	8526	11368
*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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