



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE4207G	<b>Issued</b>	15. April 2021
<b>MA#</b>	MA005345915		
<b>Package</b>	PG-DSO-14-60	<b>Weight*</b>	143.45 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	2.947	2.05	2.05	20541	20541
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		109	
	non noble metal	zinc	7440-66-6	0.063	0.04		437	
	non noble metal	iron	7439-89-6	1.254	0.87		8744	
	non noble metal	copper	7440-50-8	50.931	35.50	36.42	355039	364329
wires	noble metal	palladium	7440-05-3	0.001			7	
	non noble metal	copper	7440-50-8	0.102	0.07	0.07	713	720
encapsulation	organic material	carbon black	1333-86-4	0.252	0.18		1754	
	plastics	epoxy resin	-	9.813	6.84		68409	
	inorganic material	silicondioxide	60676-86-0	73.810	51.48	58.50	514529	584692
leadfinish	noble metal	palladium	7440-05-3	0.020	0.01		142	
	noble metal	gold	7440-57-5	0.033	0.02		229	
	non noble metal	nickel	7440-02-0	0.719	0.50	0.53	5014	5385
plating	noble metal	palladium	7440-05-3	0.069	0.05		480	
	noble metal	gold	7440-57-5	0.111	0.08		772	
	non noble metal	nickel	7440-02-0	2.425	1.69	1.82	16908	18160
glue	plastics	epoxy resin	-	0.221	0.15		1543	
	noble metal	silver	7440-22-4	0.664	0.46	0.61	4630	6173
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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