



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4207G			<b>Issued</b>	27. September 2017			
<b>MA#</b>	MA000982426							
<b>Package</b>	PG-DSO-14-22			<b>Weight*</b>	142.90 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	2.06	2.06	20620	20620
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		106	
	non noble metal	zinc	7440-66-6	0.060	0.04		422	
	non noble metal	iron	7439-89-6	1.207	0.84		8446	
wire	non noble metal	copper	7440-50-8	49.007	34.29	35.18	342941	351915
	noble metal	gold	7440-57-5	0.220	0.15	0.15	1538	1538
	encapsulation	organic material	carbon black	1333-86-4	0.173	0.12		1209
plastics		epoxy resin	-	7.949	5.56		55623	
	inorganic material	silicondioxide	60676-86-0	78.276	54.80	60.48	547764	604596
leadfinish	non noble metal	tin	7440-31-5	1.226	0.86	0.86	8580	8580
plating	noble metal	silver	7440-22-4	1.030	0.72	0.72	7206	7206
glue	plastics	acrylic resin	-	0.174	0.12		1220	
	noble metal	silver	7440-22-4	0.618	0.43	0.55	4325	5545
*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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