



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4241GM			<b>Issued</b>	25. September 2017			
<b>MA#</b>	MA000982346							
<b>Package</b>	PG-DSO-8-16			<b>Weight*</b>	83.23 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	2.036	2.45	2.45	24457	24457
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		108	
	non noble metal	zinc	7440-66-6	0.036	0.04		431	
	non noble metal	iron	7439-89-6	0.717	0.86		8617	
wire	non noble metal	copper	7440-50-8	29.121	34.99	35.90	349884	359040
	noble metal	gold	7440-57-5	0.161	0.19	0.19	1939	1939
	encapsulation	organic material	carbon black	1333-86-4	0.097	0.12		1165
plastics	plastics	epoxy resin	-	4.460	5.36		53587	
	inorganic material	silicondioxide	60676-86-0	43.923	52.77	58.25	527720	582472
leadfinish	non noble metal	tin	7440-31-5	0.814	0.98	0.98	9778	9778
plating	noble metal	silver	7440-22-4	0.650	0.78	0.78	7813	7813
glue	plastics	acrylic resin	-	0.266	0.32		3190	
	noble metal	silver	7440-22-4	0.941	1.13	1.45	11311	14501
*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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