



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4209G		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001290868						
<b>Package</b>		PG-DSO-14-22		<b>Weight*</b>		142.95 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	3.173	2.22	2.22	22199	22199
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		8443	
wire	non noble metal	copper	7440-50-8	49.007	34.28	35.17	342837	351808
	noble metal	gold	7440-57-5	0.217	0.15	0.15	1520	1520
	encapsulation	organic material	carbon black	1333-86-4	0.172	0.12		1206
plastics		epoxy resin	-	7.928	5.55		55462	
	inorganic material	silicondioxide	60676-86-0	78.074	54.62	60.29	546179	602847
leadfinish	non noble metal	tin	7440-31-5	1.226	0.86	0.86	8578	8578
plating	noble metal	silver	7440-22-4	1.030	0.72	0.72	7204	7204
glue	plastics	acrylic resin	-	0.184	0.13		1286	
	noble metal	silver	7440-22-4	0.652	0.46	0.59	4558	5844
*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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