



## Material Content Data Sheet



<b>Sales Product Name</b>	TLE4997A8D			<b>Issued</b>	4. July 2019			
<b>MA#</b>	MA001678484							
<b>Package</b>	PG-TDSO-8-2			<b>Weight*</b>	68.17 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	2.268	3.33	3.33	33272	33272
chip_2	inorganic material	silicon	7440-21-3	2.268	3.33	3.33	33272	33272
leadframe	non noble metal	zinc	7440-66-6	0.064	0.09		944	
	non noble metal	tin	7440-31-5	0.080	0.12		1180	
	non noble metal	chromium	7440-47-3	0.097	0.14		1416	
wire	non noble metal	copper	7440-50-8	31.938	46.85	47.20	468481	472021
	noble metal	gold	7440-57-5	0.091	0.13	0.13	1335	1335
	encapsulation	organic material	carbon black	1333-86-4	0.059	0.09		862
encapsulation	plastics	epoxy resin	-	3.172	4.65		46521	
	inorganic material	silicondioxide	60676-86-0	26.136	38.34	43.08	383364	430747
leadfinish	non noble metal	tin	7440-31-5	0.497	0.73	0.73	7293	7293
plating	noble metal	silver	7440-22-4	0.953	1.40	1.40	13972	13972
glue	plastics	epoxy resin	-	0.138	0.20		2022	
	plastics	acrylic resin	-	0.138	0.20		2022	
	inorganic material	silicondioxide	60676-86-0	0.276	0.40	0.80	4044	8088
*deviation	< 10%			Sum in total:		100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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