



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4254GA		<b>Issued</b>		19. July 2018			
<b>MA#</b>		MA001270454							
<b>Package</b>		PG-DSO-8-28		<b>Weight*</b>		83.15 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	1.779	2.14	2.14	21390	21390	
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		8625	
wire	noble metal	non noble metal	copper	7440-50-8	29.121	35.02	35.93	350219	359383
		noble metal	gold	7440-57-5	0.156	0.19	0.19	1881	1881
		organic material	carbon black	1333-86-4	0.098	0.12		1173	
encapsulation	plastics	epoxy resin	-	4.487	5.40		53960		
		inorganic material	silicondioxide	60676-86-0	44.185	53.14	58.66	531387	586520
leadfinish	non noble metal	tin	7440-31-5	0.814	0.98	0.98	9787	9787	
plating	noble metal	silver	7440-22-4	0.650	0.78	0.78	7820	7820	
glue	plastics	acrylic resin	-	0.242	0.29		2908		
		noble metal	silver	7440-22-4	0.857	1.03	1.32	10311	13219
*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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