



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4253E		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001172466						
<b>Package</b>		PG-DSO-8-27		<b>Weight*</b>		84.26 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	2.205	2.62	2.62	26164	26164
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		108	
	non noble metal	zinc	7440-66-6	0.036	0.04		432	
	non noble metal	iron	7439-89-6	0.728	0.86		8636	
wire	non noble metal	copper	7440-50-8	29.548	35.07	35.98	350655	359831
	noble metal	gold	7440-57-5	0.090	0.11	0.11	1069	1069
	encapsulation	organic material	carbon black	1333-86-4	0.098	0.12		1162
plastics	plastics	epoxy resin	-	4.503	5.34		53434	
		inorganic material	silicondioxide	60676-86-0	44.340	52.62	58.08	526210
leadfinish	non noble metal	tin	7440-31-5	0.695	0.82	0.82	8249	8249
plating	noble metal	silver	7440-22-4	0.725	0.86	0.86	8598	8598
glue	plastics	epoxy resin	-	0.322	0.38		3821	
		noble metal	silver	7440-22-4	0.966	1.15	1.53	11462
*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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