



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4961-1L		<b>Issued</b>		9. January 2019		
<b>MA#</b>		MA003587368						
<b>Package</b>		PG-SSO-3-2		<b>Weight*</b>		83.42 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	0.545	0.65	0.65	6532	6532
leadframe	non noble metal	chromium	7440-47-3	0.153	0.18		1835	
	non noble metal	titanium	7440-32-6	0.153	0.18		1835	
	non noble metal	nickel	7440-02-0	0.204	0.24		2446	
	non noble metal	tin	7440-31-5	0.306	0.37		3669	
	non noble metal	copper	7440-50-8	50.200	60.19	61.16	601786	611571
wire	noble metal	gold	7440-57-5	0.030	0.04	0.04	357	357
encapsulation	organic material	carbon black	1333-86-4	0.211	0.25		2527	
	plastics	brominated resin	-	0.263	0.32		3158	
	inorganic material	antimonytrioxide	1309-64-4	0.527	0.63		6317	
	plastics	epoxy resin	-	4.795	5.75		57484	
	inorganic material	silicondioxide	60676-86-0	20.551	24.64	31.59	246358	315844
leadfinish	non noble metal	tin	7440-31-5	4.889	5.86	5.86	58610	58610
plating	noble metal	silver	7440-22-4	0.284	0.34	0.34	3409	3409
glue	plastics	epoxy resin	-	0.061	0.07		735	
	noble metal	silver	7440-22-4	0.245	0.29	0.36	2942	3677
*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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