



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4998C4		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA000863088						
<b>Package</b>		PG-SSO-4-1		<b>Weight*</b>		112.82 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	2.696	2.39	2.39	23897	23897
leadframe	non noble metal	chromium	7440-47-3	0.229	0.20		2028	
	non noble metal	titanium	7440-32-6	0.229	0.20		2028	
	non noble metal	nickel	7440-02-0	0.305	0.27		2704	
	non noble metal	tin	7440-31-5	0.458	0.41		4056	
	non noble metal	copper	7440-50-8	75.040	66.52	67.60	665127	675943
wire	noble metal	gold	7440-57-5	0.051	0.05	0.05	455	455
encapsulation	organic material	carbon black	1333-86-4	0.203	0.18		1795	
	plastics	brominated resin	-	0.253	0.22		2244	
	inorganic material	antimonytrioxide	1309-64-4	0.506	0.45		4488	
	plastics	epoxy resin	-	4.608	4.08		40843	
	inorganic material	silicondioxide	60676-86-0	19.748	17.50	22.43	175041	224411
leadfinish	non noble metal	tin	7440-31-5	7.027	6.23	6.23	62286	62286
plating	noble metal	silver	7440-22-4	0.655	0.58	0.58	5805	5805
glue	plastics	epoxy resin	-	0.163	0.14		1441	
	noble metal	silver	7440-22-4	0.650	0.58	0.72	5762	7203
*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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