



Material Content Data Sheet



Sales Product Name		TLE4953		Issued		26. September 2017		
MA#		MA000886920						
Package		PG-SSO-2-1		Weight*		139.69 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	2.522	1.81	1.81	18054	18054
leadframe	non noble metal	chromium	7440-47-3	0.309	0.22		2209	
	non noble metal	titanium	7440-32-6	0.309	0.22		2209	
	non noble metal	nickel	7440-02-0	0.411	0.29		2945	
	non noble metal	tin	7440-31-5	0.617	0.44		4417	
	non noble metal	copper	7440-50-8	101.193	72.44	73.61	724392	736172
wire	noble metal	gold	7440-57-5	0.039	0.03	0.03	281	281
encapsulation	organic material	carbon black	1333-86-4	0.201	0.14		1441	
	plastics	brominated resin	-	0.252	0.18		1801	
	inorganic material	antimonytrioxide	1309-64-4	0.503	0.36		3603	
	plastics	epoxy resin	-	4.580	3.28		32783	
	inorganic material	silicondioxide	60676-86-0	19.627	14.05	18.01	140499	180127
leadfinish	non noble metal	tin	7440-31-5	7.803	5.59	5.59	55856	55856
plating	noble metal	silver	7440-22-4	0.550	0.39	0.39	3937	3937
glue	plastics	epoxy resin	-	0.156	0.11		1115	
	noble metal	silver	7440-22-4	0.623	0.45	0.56	4458	5573
*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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