



Material Content Data Sheet



Sales Product Name		TLE4964-4M		Issued		1. August 2018			
MA#		MA001069900							
Package		PG-SOT23-3-15		Weight*		9.82 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	0.350	3.56	3.56	35595	35595	
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		73		
		non noble metal	titanium	7440-32-6	0.004	0.04		367	
		non noble metal	chromium	7440-47-3	0.011	0.11		1101	
wire	noble metal	non noble metal	copper	7440-50-8	3.590	36.56	36.72	365591	367132
		noble metal	gold	7440-57-5	0.019	0.19	0.19	1891	1891
		organic material	carbon black	1333-86-4	0.054	0.55		5463	
encapsulation	plastics	epoxy resin	-	1.153	11.75		117454		
		inorganic material	silicondioxide	60676-86-0	4.157	42.33	54.63	423382	546299
leadfinish	non noble metal	tin	7440-31-5	0.150	1.52	1.52	15240	15240	
plating	noble metal	silver	7440-22-4	0.149	1.51	1.51	15132	15132	
glue	plastics	epoxy resin	-	0.032	0.33		3274		
		noble metal	silver	7440-22-4	0.152	1.54	1.87	15437	18711
*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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