



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4961-1M		<b>Issued</b>		22. October 2018			
<b>MA#</b>		MA003975640							
<b>Package</b>		PG-SOT23-3-15		<b>Weight*</b>		9.91 mg			
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	0.350	3.53	3.53	35281	35281	
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		73		
		non noble metal	titanium	7440-32-6	0.004	0.04		364	
		non noble metal	chromium	7440-47-3	0.011	0.11		1092	
wire	noble metal	non noble metal	copper	7440-50-8	3.590	36.24	36.40	362363	363892
		noble metal	gold	7440-57-5	0.018	0.18	0.18	1838	1838
		organic material	carbon black	1333-86-4	0.053	0.53		5318	
encapsulation	plastics	epoxy resin	-	1.133	11.43		114336		
		inorganic material	silicondioxide	60676-86-0	4.083	41.21	53.17	412139	531793
leadfinish	non noble metal	tin	7440-31-5	0.150	1.51	1.51	15105	15105	
plating	noble metal	silver	7440-22-4	0.149	1.50	1.50	14999	14999	
glue	plastics	epoxy resin	-	0.064	0.65		6491		
		noble metal	silver	7440-22-4	0.303	3.06	3.71	30601	37092
*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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