



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4964-2K		<b>Issued</b>		19. January 2018			
<b>MA#</b>		MA001613758							
<b>Package</b>		PG-SC59-3-5		<b>Weight*</b>		13.84 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	2.52	2.52	25250	25250	
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		76		
		non noble metal	titanium	7440-32-6	0.005	0.04		380	
		non noble metal	chromium	7440-47-3	0.016	0.11		1140	
wire	noble metal	non noble metal	copper	7440-50-8	5.236	37.83	37.99	378253	379849
		noble metal	gold	7440-57-5	0.027	0.19	0.19	1931	1931
		organic material	carbon black	1333-86-4	0.077	0.55		5537	
encapsulation	plastics	epoxy resin	-	1.648	11.91		119052		
		inorganic material	silicondioxide	60676-86-0	5.940	42.92	55.38	429138	553727
leadfinish	non noble metal	tin	7440-31-5	0.255	1.84	1.84	18440	18440	
plating	noble metal	silver	7440-22-4	0.158	1.14	1.14	11380	11380	
glue	plastics	epoxy resin	-	0.023	0.16		1649		
		noble metal	silver	7440-22-4	0.108	0.78	0.94	7774	9423
*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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