



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4986C-XAS-M47		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001182968						
<b>Package</b>		PG-SSO-3-52		<b>Weight*</b>		160.22 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	2.239	1.40	1.40	13973	13973
leadframe	non noble metal	nickel	7440-02-0	0.322	0.20		2011	
	non noble metal	tin	7440-31-5	0.483	0.30		3016	
	non noble metal	copper	7440-50-8	79.252	49.46		494645	
	non noble metal	chromium	7440-47-3	0.242	0.15		1508	
	non noble metal	titanium	7440-32-6	0.242	0.15	50.26	1508	502688
wire	noble metal	gold	7440-57-5	0.043	0.03	0.03	269	269
encapsulation	inorganic material	antimonytrioxide	1309-64-4	1.063	0.66		6635	
	plastics	brominated resin	-	0.532	0.33		3318	
	organic material	carbon black	1333-86-4	0.425	0.27		2654	
	plastics	epoxy resin	-	9.674	6.04		60380	
	inorganic material	silicondioxide	60676-86-0	41.460	25.88	33.18	258770	331757
leadfinish	non noble metal	tin	7440-31-5	5.565	3.47	3.47	34734	34734
plating	noble metal	silver	7440-22-4	0.442	0.28	0.28	2759	2759
glue	plastics	epoxy resin	-	0.143	0.09		891	
	noble metal	silver	7440-22-4	0.571	0.36	0.45	3563	4454
smd	plastics	epoxy resin	-	0.004	0.00		25	
	non noble metal	copper	7440-50-8	1.210	0.76		7552	
	non noble metal	nickel	7440-02-0	1.513	0.94		9441	
	noble metal	palladium	7440-05-3	0.466	0.29		2910	
	noble metal	silver	7440-22-4	0.550	0.34		3430	
	inorganic material	bariumtitanate	12047-27-7	13.780	8.60	10.93	86008	109366
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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