



## Material Content Data Sheet



<b>Sales Product Name</b>				TLE4998P3C		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA001678628					
<b>Package</b>				PG-SSO-3-92		<b>Weight*</b>		156.60 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	2.696	1.72	1.72	17216	17216	
leadframe	non noble metal	chromium	7440-47-3	0.240	0.15		1531		
	non noble metal	titanium	7440-32-6	0.240	0.15		1531		
	non noble metal	nickel	7440-02-0	0.320	0.20		2041		
	non noble metal	tin	7440-31-5	0.479	0.31		3062		
	non noble metal	copper	7440-50-8	78.632	50.21	51.02	502134	510299	
wire	noble metal	gold	7440-57-5	0.047	0.03	0.03	299	299	
encapsulation	organic material	carbon black	1333-86-4	0.423	0.27		2700		
	plastics	brominated resin	-	0.529	0.34		3375		
	inorganic material	antimonytrioxide	1309-64-4	1.057	0.68		6750		
	plastics	epoxy resin	-	9.619	6.14		61427		
	inorganic material	silicondioxide	60676-86-0	41.226	26.33	33.76	263260	337512	
leadfinish	non noble metal	tin	7440-31-5	5.565	3.55	3.55	35538	35538	
plating	noble metal	silver	7440-22-4	0.442	0.28	0.28	2823	2823	
glue	plastics	epoxy resin	-	0.170	0.11		1088		
	noble metal	silver	7440-22-4	0.682	0.44	0.55	4352	5440	
smd_1	non noble metal	copper	7440-50-8	0.036	0.02		229		
	noble metal	palladium	7440-05-3	0.040	0.03		254		
	non noble metal	nickel	7440-02-0	0.072	0.05		458		
	inorganic material	ytterbiumoxide	1314-37-0	0.096	0.06		611		
	inorganic material	yttriumoxide	1314-36-9	0.111	0.07		712		
	noble metal	silver	7440-22-4	0.691	0.44		4415		
	inorganic material	titandioxide	13463-67-7	2.597	1.66		16585		
	inorganic material	bariumoxide	1304-28-5	3.472	2.22	4.55	22173	45437	
smd_2	non noble metal	copper	7440-50-8	0.037	0.02		234		
	noble metal	palladium	7440-05-3	0.041	0.03		261		
	inorganic material	ytterbiumoxide	1314-37-0	0.089	0.06		570		
	inorganic material	yttriumoxide	1314-36-9	0.114	0.07		731		
	non noble metal	nickel	7440-02-0	0.312	0.20		1995		
	noble metal	silver	7440-22-4	0.710	0.45		4531		
	inorganic material	titandioxide	13463-67-7	2.477	1.58		15818		
	inorganic material	bariumoxide	1304-28-5	3.335	2.13	4.54	21296	45436	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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