



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4253GS		<b>Issued</b>		28. August 2013		
<b>MA#</b>		MA000970040						
<b>Package</b>		PG-DSO-8-10		<b>Weight*</b>		82.07 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	2.234	2.72	2.72	27215	27215
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		113	
	non noble metal	zinc	7440-66-6	0.037	0.05		452	
	non noble metal	iron	7439-89-6	0.742	0.90		9036	
wire	non noble metal	copper	7440-50-8	30.114	36.69	37.65	366915	376516
	noble metal	gold	7440-57-5	0.137	0.17	0.17	1670	1670
	encapsulation	organic material	carbon black	1333-86-4	0.095	0.12		1156
plastics	plastics	epoxy resin	-	5.125	6.24		62449	
	inorganic material	silicondioxide	60676-86-0	42.237	51.48	57.84	514628	578233
	leadfinish	noble metal	silver	7440-22-4	0.001	0.00		18
plating	noble metal	gold	7440-57-5	0.003	0.00		33	
	non noble metal	nickel	7440-02-0	0.050	0.06		606	
	noble metal	palladium	7440-05-3	0.002	0.00	0.06	21	678
	noble metal	gold	7440-57-5	0.002	0.00		25	
glue	noble metal	silver	7440-22-4	0.001	0.00		14	
	noble metal	palladium	7440-05-3	0.001	0.00		16	
	non noble metal	nickel	7440-02-0	0.038	0.05	0.05	461	516
*deviation	plastics	acrylic resin	-	0.274	0.33		3338	
	noble metal	silver	7440-22-4	0.971	1.18	1.51	11834	15172
Sum in total:						100,00		1000000

### Important Remarks:

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