



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE4997A8D	<b>Issued</b>	21. August 2021
<b>MA#</b>	MA002296634		
<b>Package</b>	PG-TDSO-8-2	<b>Weight*</b>	68.17 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	2.268	3.33	3.33	33272	33272
chip_2	inorganic material	silicon	7440-21-3	2.268	3.33	3.33	33272	33272
leadframe	non noble metal	zinc	7440-66-6	0.064	0.09		944	
	non noble metal	tin	7440-31-5	0.080	0.12		1180	
	non noble metal	chromium	7440-47-3	0.097	0.14		1416	
	non noble metal	copper	7440-50-8	31.938	46.85	47.20	468481	472021
wire	noble metal	gold	7440-57-5	0.091	0.13	0.13	1335	1335
encapsulation	organic material	carbon black	1333-86-4	0.059	0.09		862	
	plastics	epoxy resin	-	3.172	4.65		46521	
	inorganic material	silicondioxide	60676-86-0	26.136	38.34	43.08	383364	430747
leadfinish	non noble metal	tin	7440-31-5	0.497	0.73	0.73	7293	7293
plating	noble metal	silver	7440-22-4	0.953	1.40	1.40	13972	13972
glue	plastics	epoxy resin	-	0.138	0.20		2022	
	plastics	acrylic resin	-	0.138	0.20		2022	
	inorganic material	silicondioxide	60676-86-0	0.276	0.40	0.80	4044	8088
*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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