



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE5011	Issued	12. August 2021
MA#	MA005614148		
Package	PG-DSO-8-16	Weight*	83.41 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	2.837	3.40	3.40	34007	34007
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		107	
	non noble metal	zinc	7440-66-6	0.036	0.04		430	
	non noble metal	iron	7439-89-6	0.717	0.86		8598	
	non noble metal	copper	7440-50-8	29.121	34.91	35.82	349128	358263
wire	noble metal	gold	7440-57-5	0.173	0.21	0.21	2080	2080
encapsulation	organic material	carbon black	1333-86-4	0.095	0.11		1143	
	plastics	epoxy resin	-	4.386	5.26		52581	
	inorganic material	silicondioxide	60676-86-0	43.191	51.79	57.16	517813	571537
leadfinish	non noble metal	tin	7440-31-5	0.814	0.98	0.98	9757	9757
plating	noble metal	silver	7440-22-4	0.650	0.78	0.78	7796	7796
glue	plastics	acrylic resin	-	0.304	0.36		3643	
	noble metal	silver	7440-22-4	1.077	1.29	1.65	12917	16560
*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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