



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE4678EL	Issued	14. July 2021
MA#	MA003366080		
Package	PG-SSOP-14-2	Weight*	83.60 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	3.312	3.96	3.96	39621	39621
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		103	
	non noble metal	zinc	7440-66-6	0.034	0.04		412	
	non noble metal	iron	7439-89-6	0.689	0.82		8242	
	non noble metal	copper	7440-50-8	27.978	33.47	34.34	334667	343424
wire	noble metal	gold	7440-57-5	0.196	0.23	0.23	2341	2341
encapsulation	organic material	carbon black	1333-86-4	0.096	0.11		1149	
	plastics	epoxy resin	-	4.420	5.29		52874	
	inorganic material	silicondioxide	60676-86-0	43.529	52.07	57.47	520697	574720
leadfinish	non noble metal	tin	7440-31-5	0.976	1.17	1.17	11676	11676
plating	noble metal	silver	7440-22-4	0.768	0.92	0.92	9182	9182
glue	plastics	epoxy resin	-	0.398	0.48		4759	
	noble metal	silver	7440-22-4	1.194	1.43	1.91	14277	19036
*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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