

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE94112ES	**Issued**	18. August 2021
MA#	MA005429425		
Package	PG-TSDSO-24-51	**Weight***	112.11 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	3.240	2.89	2.89	28899	28899
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		128	
	non noble metal	zinc	7440-66-6	0.057	0.05		513	
	non noble metal	iron	7439-89-6	1.150	1.03		10257	
	non noble metal	copper	7440-50-8	46.694	41.66	42.75	416487	427385
wire	non noble metal	copper	7440-50-8	0.887	0.79	0.79	7912	7912
encapsulation	organic material	carbon black	1333-86-4	0.153	0.14		1369	
	plastics	epoxy resin	-	5.985	5.34		53379	
	inorganic material	silicondioxide	60676-86-0	45.012	40.15	45.63	401482	456230
leadfinish	non noble metal	tin	7440-31-5	2.672	2.38	2.38	23832	23832
plating	noble metal	silver	7440-22-4	1.381	1.23	1.23	12315	12315
glue	plastics	epoxy resin	-	0.171	0.15		1524	
	noble metal	silver	7440-22-4	0.805	0.72	0.87	7184	8708
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			10	
	non noble metal	zinc	7440-66-6	0.005			42	
	non noble metal	iron	7439-89-6	0.093	0.08		833	
	non noble metal	copper	7440-50-8	3.793	3.38	3.46	33834	34719
*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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