

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE4964-1M	**Issued**	11. December 2019
MA#	MA005401535		
Package	PG-SOT23-3-15	**Weight***	9.82 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	0.350	3.56	3.56	35596	35596
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		73	
	non noble metal	titanium	7440-32-6	0.004	0.04		367	
	non noble metal	chromium	7440-47-3	0.011	0.11		1101	
	non noble metal	copper	7440-50-8	3.590	36.56	36.72	365603	367144
wire	noble metal	gold	7440-57-5	0.018	0.19	0.19	1854	1854
encapsulation	organic material	carbon black	1333-86-4	0.054	0.55		5463	
	plastics	epoxy resin	-	1.153	11.75		117459	
	inorganic material	silicondioxide	60676-86-0	4.157	42.33	54.63	423398	546320
leadfinish	non noble metal	tin	7440-31-5	0.150	1.52	1.52	15241	15241
plating	noble metal	silver	7440-22-4	0.149	1.51	1.51	15133	15133
glue	plastics	epoxy resin	-	0.032	0.33		3275	
	noble metal	silver	7440-22-4	0.152	1.54	1.87	15437	18712
*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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