



Material Content Data Sheet



Sales Product Name	TLE4959-5U	Issued	17. February 2022
MA#	MA005699227		
Package	PG-SSO-4-1	Weight*	112.82 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	2.726	2.42	2.42	24159	24159
leadframe	non noble metal	chromium	7440-47-3	0.229	0.20		2028	
	non noble metal	titanium	7440-32-6	0.229	0.20		2028	
	non noble metal	nickel	7440-02-0	0.305	0.27		2704	
	non noble metal	tin	7440-31-5	0.458	0.41		4056	
	non noble metal	copper	7440-50-8	75.040	66.51	67.59	665137	675953
wire	noble metal	gold	7440-57-5	0.041	0.04	0.04	365	365
encapsulation	organic material	carbon black	1333-86-4	0.202	0.18		1794	
	plastics	brominated resin	-	0.253	0.22		2242	
	inorganic material	antimonytrioxide	1309-64-4	0.506	0.45		4484	
	plastics	epoxy resin	-	4.603	4.08		40804	
	inorganic material	silicondioxide	60676-86-0	19.729	17.49	22.42	174873	224197
leadfinish	non noble metal	tin	7440-31-5	7.027	6.23	6.23	62287	62287
plating	noble metal	silver	7440-22-4	0.655	0.58	0.58	5805	5805
glue	plastics	epoxy resin	-	0.163	0.14		1447	
	noble metal	silver	7440-22-4	0.653	0.58	0.72	5787	7234
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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