

Material Content Data Sheet

RoHS

Sales Product Name	TLE4959-5U-FX	**Issued**	1. August 2018
MA#	MA002921136		
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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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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