



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE4943C	<b>Issued</b>	08. February 2022
<b>MA#</b>	MA001983802		
<b>Package</b>	PG-SSO-2-53	<b>Weight*</b>	169.83 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	1.900	1.12	1.12	11186	11186
leadframe	non noble metal	chromium	7440-47-3	0.288	0.17		1698	
	non noble metal	titanium	7440-32-6	0.288	0.17		1698	
	non noble metal	nickel	7440-02-0	0.384	0.23		2264	
	non noble metal	tin	7440-31-5	0.577	0.34		3396	
	non noble metal	copper	7440-50-8	94.576	55.69	56.60	556901	565957
wire	noble metal	gold	7440-57-5	0.038	0.02	0.02	223	223
encapsulation	organic material	carbon black	1333-86-4	0.585	0.34		3444	
	plastics	epoxy resin	-	10.527	6.20		61987	
	inorganic material	silicondioxide	60676-86-0	47.371	27.89	34.43	278939	344370
leadfinish	non noble metal	tin	7440-31-5	6.247	3.68	3.68	36784	36784
plating	noble metal	silver	7440-22-4	1.029	0.61	0.61	6059	6059
glue	plastics	epoxy resin	-	0.133	0.08		782	
	noble metal	silver	7440-22-4	0.532	0.31	0.39	3130	3912
smd	noble metal	palladium	7440-05-3	0.040	0.02		236	
	inorganic material	titandioxide	13463-67-7	0.099	0.06		585	
	inorganic material	bismuth trioxide	1304-76-3	0.387	0.23		2280	
	noble metal	silver	7440-22-4	0.439	0.26		2585	
	inorganic material	bariumtitanate	12047-27-7	4.375	2.58	3.15	25765	31451
smd adhesive	plastics	epoxy resin	-	0.002			12	
	noble metal	silver	7440-22-4	0.008			46	58
*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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