

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE5041PLUSC	**Issued**	08. February 2022
MA#	MA003893700		
Package	PG-SSO-2-53	**Weight***	169.64 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	1.257	0.74	0.74	7408	7408
leadframe	non noble metal	chromium	7440-47-3	0.288	0.17		1700	
	non noble metal	titanium	7440-32-6	0.288	0.17		1700	
	non noble metal	nickel	7440-02-0	0.384	0.23		2266	
	non noble metal	tin	7440-31-5	0.577	0.34		3399	
	non noble metal	copper	7440-50-8	94.576	55.74	56.65	557494	566559
wire	noble metal	gold	7440-57-5	0.044	0.03	0.03	260	260
encapsulation	organic material	carbon black	1333-86-4	0.591	0.35		3483	
	plastics	epoxy resin	-	10.637	6.27		62701	
	inorganic material	silicondioxide	60676-86-0	47.866	28.22	34.84	282155	348339
leadfinish	non noble metal	tin	7440-31-5	6.247	3.68	3.68	36823	36823
plating	noble metal	silver	7440-22-4	1.029	0.61	0.61	6066	6066
glue	plastics	epoxy resin	-	0.102	0.06		600	
	noble metal	silver	7440-22-4	0.407	0.24	0.30	2402	3002
smd	noble metal	palladium	7440-05-3	0.040	0.02		236	
	inorganic material	titandioxide	13463-67-7	0.099	0.06		586	
	inorganic material	bismuth trioxide	1304-76-3	0.387	0.23		2283	
	noble metal	silver	7440-22-4	0.439	0.26		2588	
	inorganic material	bariumtitanate	12047-27-7	4.375	2.58	3.15	25792	31485
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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