



Material Content Data Sheet



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:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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