

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE5014S16D	**Issued**	19. August 2021
MA#	MA001868630		
Package	PG-TDSO-16-2	**Weight***	68.81 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.061	1.54	1.54	15422	15422
chip_2	inorganic material	silicon	7440-21-3	1.061	1.54	1.54	15422	15422
leadframe	inorganic material	silicon	7440-21-3	0.007	0.01		95	
	non noble metal	titanium	7440-32-6	0.033	0.05		473	
	non noble metal	chromium	7440-47-3	0.098	0.14		1418	
	non noble metal	copper	7440-50-8	32.380	47.07	47.27	470591	472577
wire	noble metal	gold	7440-57-5	0.262	0.38	0.38	3802	3802
encapsulation	organic material	carbon black	1333-86-4	0.061	0.09		893	
	plastics	epoxy resin	-	3.317	4.82		48207	
	inorganic material	silicondioxide	60676-86-0	27.335	39.73	44.64	397265	446365
leadfinish	non noble metal	tin	7440-31-5	1.198	1.74	1.74	17405	17405
plating	noble metal	silver	7440-22-4	1.680	2.44	2.44	24422	24422
glue	plastics	epoxy resin	-	0.079	0.11		1146	
	plastics	acrylic resin	-	0.079	0.11		1146	
	inorganic material	silicondioxide	60676-86-0	0.158	0.23	0.45	2293	4585
*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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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