

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE5309D E1211	**Issued**	19. August 2021
MA#	MA005555917		
Package	PG-TDSO-16-2	**Weight***	68.72 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	0.681	0.99	0.99	9912	9912
chip_2	inorganic material	silicon	7440-21-3	0.681	0.99	0.99	9912	9912
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		1420	
	non noble metal	copper	7440-50-8	32.380	47.13	47.33	471211	473199
wire	noble metal	gold	7440-57-5	0.241	0.35	0.35	3507	3507
encapsulation	organic material	carbon black	1333-86-4	0.063	0.09		916	
	plastics	epoxy resin	-	3.401	4.95		49487	
	inorganic material	silicondioxide	60676-86-0	28.023	40.78	45.82	407806	458209
leadfinish	non noble metal	tin	7440-31-5	1.198	1.74	1.74	17428	17428
plating	noble metal	silver	7440-22-4	1.680	2.45	2.45	24454	24454
glue	plastics	epoxy resin	-	0.058	0.08		845	
	plastics	acrylic resin	-	0.058	0.08		845	
	inorganic material	silicondioxide	60676-86-0	0.116	0.17	0.33	1689	3379
*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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