



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TLE4309G	<b>Issued</b>	25. August 2021
<b>MA#</b>	MA000722704		
<b>Package</b>	PG-TO263-7-1	<b>Weight*</b>	1566.84 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	3.611	0.23	0.23	2305	2305
leadframe	inorganic material	phosphorus	7723-14-0	0.243	0.02		155	
	non noble metal	iron	7439-89-6	0.810	0.05		517	
	non noble metal	copper	7440-50-8	808.613	51.61	51.68	516077	516749
wire	non noble metal	aluminium	7429-90-5	0.224	0.01	0.01	143	143
encapsulation	organic material	carbon black	1333-86-4	1.257	0.08		802	
	plastics	epoxy resin	-	57.831	3.69		36909	
	inorganic material	silicondioxide	60676-86-0	569.510	36.35	40.12	363476	401187
leadfinish	non noble metal	tin	7440-31-5	13.037	0.83	0.83	8320	8320
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.212	0.01	0.01	136	137
solder	non noble metal	tin	7440-31-5	0.103	0.01		66	
	noble metal	silver	7440-22-4	0.129	0.01		82	
	non noble metal	lead	7439-92-1	4.915	0.31	0.33	3137	3285
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.78	6.79	67786	67874
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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