



Material Content Data Sheet



Sales Product Name		TLE4271-2G		Issued		20. July 2018		
MA#		MA000723252						
Package		PG-TO263-7-1		Weight*		1567.68 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	4.930	0.31	0.31	3145	3145
leadframe	non noble metal	iron	7439-89-6	0.810	0.05		516	
	inorganic material	phosphorus	7723-14-0	0.243	0.02		155	
	non noble metal	copper	7440-50-8	808.613	51.57	51.64	515801	516472
wire	non noble metal	aluminium	7429-90-5	0.397	0.03	0.03	253	253
encapsulation	organic material	carbon black	1333-86-4	1.254	0.08		800	
	plastics	epoxy resin	-	57.690	3.68		36800	
	inorganic material	silicondioxide	60676-86-0	568.126	36.24	40.00	362399	399999
leadfinish	non noble metal	tin	7440-31-5	13.037	0.83	0.83	8316	8316
plating	non noble metal	nickel	7440-02-0	0.212	0.01	0.01	136	137
	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
solder	noble metal	silver	7440-22-4	0.151	0.01		96	
	non noble metal	tin	7440-31-5	0.120	0.01		77	
	non noble metal	lead	7439-92-1	5.749	0.37	0.39	3667	3840
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68	
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	copper	7440-50-8	106.210	6.78	6.79	67750	67838
*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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