



Material Content Data Sheet



Sales Product Name		TLE4290D		Issued		25. September 2017		
MA#		MA000714216						
Package		PG-TO252-5-11		Weight*		366.39 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	3.794	1.04	1.04	10355	10355
leadframe	non noble metal	iron	7439-89-6	0.205	0.06		558	
	inorganic material	phosphorus	7723-14-0	0.061	0.02		167	
	non noble metal	copper	7440-50-8	204.243	55.73	55.81	557444	558169
wire	non noble metal	aluminium	7429-90-5	0.110	0.03	0.03	299	299
encapsulation	organic material	carbon black	1333-86-4	0.295	0.08		806	
	plastics	epoxy resin	-	13.579	3.71		37062	
	inorganic material	silicondioxide	60676-86-0	133.727	36.50	40.29	364982	402850
leadfinish	non noble metal	tin	7440-31-5	5.072	1.38	1.38	13844	13844
plating	non noble metal	nickel	7440-02-0	0.076	0.02		208	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	209
solder	noble metal	silver	7440-22-4	0.131	0.04		357	
	non noble metal	tin	7440-31-5	0.105	0.03		285	
	non noble metal	lead	7439-92-1	4.995	1.36	1.43	13632	14274
*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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