



Material Content Data Sheet



Sales Product Name				IPD50N04S3-08		Issued		27. September 2017	
MA#				MA000956316					
Package				PG-TO252-3-11		Weight*		370.50 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	2.269	0.61	0.61	6124	6124	
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		581		
	inorganic material	phosphorus	7723-14-0	0.065	0.02		174		
	non noble metal	copper	7440-50-8	215.017	58.02	58.10	580342	581097	
wire	non noble metal	aluminium	7429-90-5	2.244	0.61	0.61	6056	6056	
encapsulation	organic material	carbon black	1333-86-4	1.254	0.34		3385		
	plastics	epoxy resin	-	21.947	5.92		59237		
	inorganic material	silicondioxide	60676-86-0	102.212	27.59	33.85	275875	338497	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10095	10095	
plating	non noble metal	nickel	7440-02-0	0.091	0.02		245		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	246	
solder	noble metal	silver	7440-22-4	0.056	0.02		151		
	non noble metal	tin	7440-31-5	0.045	0.01		121		
	non noble metal	lead	7439-92-1	2.143	0.58	0.61	5784	6056	
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		52		
	inorganic material	phosphorus	7723-14-0	0.006	0.00		16		
	non noble metal	copper	7440-50-8	19.177	5.18	5.19	51761	51829	
*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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