



Material Content Data Sheet



Sales Product Name				IPD40N03S4L-08		Issued		25. September 2017	
MA#				MA000476416					
Package				PG-TO252-3-11		Weight*		369.15 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	0.783	0.21	0.21	2121	2121	
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		583		
	inorganic material	phosphorus	7723-14-0	0.065	0.02		175		
	non noble metal	copper	7440-50-8	215.017	58.24	58.32	582469	583227	
wire	non noble metal	aluminium	7429-90-5	1.193	0.32	0.32	3233	3233	
encapsulation	organic material	carbon black	1333-86-4	1.278	0.35		3462		
	plastics	epoxy resin	-	22.362	6.06		60578		
	inorganic material	silicondioxide	60676-86-0	104.145	28.21	34.62	282122	346162	
leadfinish	non noble metal	tin	7440-31-5	3.740	1.01	1.01	10132	10132	
plating	non noble metal	nickel	7440-02-0	0.091	0.02	0.02	246	247	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
solder	noble metal	silver	7440-22-4	0.026	0.01		71		
	non noble metal	tin	7440-31-5	0.021	0.01		57		
	non noble metal	lead	7439-92-1	1.008	0.27	0.29	2731	2859	
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	5.20	5.21	51951	52019	
*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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