



Material Content Data Sheet



Sales Product Name		IPB120N04S4-01		Issued		19. January 2018			
MA#		MA001055178							
Package		PG-TO263-3-2		Weight*		1561.04 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	6.481	0.42	0.42	4152	4152	
leadframe	non noble metal	iron	7439-89-6	0.304	0.02		195		
	inorganic material	phosphorus	7723-14-0	0.091	0.01		59		
	non noble metal	copper	7440-50-8	304.026	19.48	19.51	194759	195013	
wire	non noble metal	aluminium	7429-90-5	9.462	0.61	0.61	6062	6062	
encapsulation	organic material	carbon black	1333-86-4	10.167	0.65		6513		
	plastics	epoxy resin	-	111.835	7.16		71642		
	inorganic material	silicondioxide	60676-86-0	555.788	35.59	43.40	356036	434192	
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6186	6186	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		146		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	146	
solder	noble metal	silver	7440-22-4	0.115	0.01		74		
	non noble metal	tin	7440-31-5	0.092	0.01		59		
	non noble metal	lead	7439-92-1	4.411	0.28	0.30	2826	2959	
heatspreader	non noble metal	iron	7439-89-6	0.548	0.04		351		
	inorganic material	phosphorus	7723-14-0	0.165	0.01		105		
	non noble metal	copper	7440-50-8	547.666	35.08	35.13	350834	351290	
*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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