



Material Content Data Sheet



Sales Product Name		IPB180N04S4L-01		Issued		1. August 2018		
MA#		MA000980910						
Package		PG-TO263-7-3		Weight*		1525.32 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	4249	4249
leadframe	inorganic material	phosphorus	7723-14-0	0.241	0.02		158	
	non noble metal	iron	7439-89-6	0.803	0.05		526	
	non noble metal	copper	7440-50-8	801.714	52.56	52.63	525603	526287
	non noble metal	aluminium	7429-90-5	13.031	0.85	0.85	8543	8543
wire	non noble metal	aluminium	7429-90-5	13.031	0.85	0.85	8543	8543
encapsulation	organic material	carbon black	1333-86-4	8.692	0.57		5699	
	plastics	epoxy resin	-	95.617	6.27		62686	
	inorganic material	silicondioxide	60676-86-0	475.186	31.15	37.99	311532	379917
leadfinish	non noble metal	tin	7440-31-5	12.317	0.81	0.81	8075	8075
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.269	0.02	0.02	177	178
solder	non noble metal	tin	7440-31-5	0.092	0.01		61	
	noble metal	silver	7440-22-4	0.115	0.01		76	
	non noble metal	lead	7439-92-1	4.411	0.29	0.31	2892	3029
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		21	
	non noble metal	iron	7439-89-6	0.106	0.01		70	
	non noble metal	copper	7440-50-8	106.210	6.96	6.97	69631	69722
*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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