

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPB80N04S2-H4	**Issued**	13. August 2021
MA#	MA000990956		
Package	PG-TO263-3-2	**Weight***	1564.84 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	10.198	0.65	0.65	6517	6517
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.43	19.46	194287	194540
wire	non noble metal	aluminium	7429-90-5	8.759	0.56	0.56	5597	5597
encapsulation	inorganic material	zincoxide	1314-13-2	6.765	0.43		4323	
	miscellaneous	miscellaneous	-	27.061	1.73		17293	
	plastics	epoxy resin	-	101.478	6.48		64849	
	inorganic material	silicondioxide	60676-86-0	541.216	34.59	43.23	345862	432327
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6171	6171
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147
solder	non noble metal	tin	7440-31-5	0.133	0.01		85	
	noble metal	silver	7440-22-4	0.167	0.01		107	
	non noble metal	lead	7439-92-1	6.373	0.41	0.43	4073	4265
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		350	
	non noble metal	copper	7440-50-8	547.666	34.99	35.04	349981	350436
*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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