

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPB180N03S4L-H0	**Issued**	27. April 2022
MA#	MA005741008		
Package	PG-TO263-7-3	**Weight***	1530.04 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	8.901	0.58	0.58	5818	5818
leadframe	inorganic material	phosphorus	7723-14-0	0.241	0.02		157	
	non noble metal	iron	7439-89-6	0.803	0.05		525	
	non noble metal	copper	7440-50-8	801.714	52.40	52.47	523983	524665
wire	non noble metal	aluminium	7429-90-5	16.110	1.05	1.05	10529	10529
encapsulation	inorganic material	zincoxide	1314-13-2	5.773	0.38		3773	
	miscellaneous	miscellaneous	-	23.093	1.51		15093	
	plastics	epoxy resin	-	86.600	5.66		56600	
	inorganic material	silicondioxide	60676-86-0	461.868	30.19	37.74	301868	377334
leadfinish	non noble metal	tin	7440-31-5	12.317	0.80	0.80	8050	8050
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.269	0.02	0.02	176	177
solder	non noble metal	tin	7440-31-5	0.120	0.01		78	
	noble metal	silver	7440-22-4	0.150	0.01		98	
	non noble metal	lead	7439-92-1	5.727	0.37	0.39	3743	3919
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			21	
	non noble metal	iron	7439-89-6	0.106	0.01		70	
	non noble metal	copper	7440-50-8	106.210	6.94	6.95	69417	69508
*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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