



Material Content Data Sheet



Halogen-Free

Sales Product Name	IPB80N03S4L-03	Issued	01. May 2021
MA#	MA000859348		
Package	PG-TO263-3-2	Weight*	1559.27 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	2.247	0.14	0.14	1441	1441
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		59	
	non noble metal	iron	7439-89-6	0.304	0.02		195	
	non noble metal	copper	7440-50-8	304.026	19.50	19.53	194979	195233
wire	non noble metal	aluminium	7429-90-5	7.152	0.46	0.46	4587	4587
encapsulation	inorganic material	zinc oxide	1314-13-2	6.850	0.44		4393	
	miscellaneous	miscellaneous	-	27.401	1.76		17573	
	plastics	epoxy resin	-	102.755	6.59		65899	
	inorganic material	silicon dioxide	60676-86-0	548.029	35.15	43.94	351463	439328
lead finish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6193	6193
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	147	148
solder	non noble metal	tin	7440-31-5	0.043			28	
	noble metal	silver	7440-22-4	0.054			35	
	non noble metal	lead	7439-92-1	2.056	0.13	0.13	1318	1381
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		106	
	non noble metal	iron	7439-89-6	0.548	0.04		352	
	non noble metal	copper	7440-50-8	547.666	35.12	35.17	351231	351689
*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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