

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPB120N04S4-01	**Issued**	02. June 2021
MA#	MA001055178		
Package	PG-TO263-3-2	**Weight***	1563.55 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	0.41	0.41	4145	4145
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	19.44	19.47	194445	194698
wire	non noble metal	aluminium	7429-90-5	12.320	0.79	0.79	7880	7880
encapsulation	inorganic material	zincoxide	1314-13-2	6.774	0.43		4332	
	miscellaneous	miscellaneous	-	27.096	1.73		17330	
	plastics	epoxy resin	-	101.610	6.50		64987	
	inorganic material	silicondioxide	60676-86-0	541.920	34.66	43.32	346595	433244
leadfinish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6176	6176
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	0.093	0.01		60	
	noble metal	silver	7440-22-4	0.117	0.01		75	
	non noble metal	lead	7439-92-1	4.455	0.28	0.30	2850	2985
heatspreader	inorganic material	phosphorus	7723-14-0	0.165	0.01		105	
	non noble metal	iron	7439-89-6	0.548	0.04		351	
	non noble metal	copper	7440-50-8	547.666	35.03	35.08	350269	350725
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com