



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IPB19DP10NM	<b>Issued</b>	24. February 2022
<b>MA#</b>	MA005709275		
<b>Package</b>	PG-TO263-3-2	<b>Weight*</b>	1557.94 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	2.545	0.16	0.16	1633	1633
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	19.51	19.54	195146	195400
wire	non noble metal	aluminium	7429-90-5	1.925	0.12	0.12	1236	1236
encapsulation	inorganic material	zinc oxide	1314-13-2	6.885	0.44		4419	
	miscellaneous	miscellaneous	-	27.540	1.77		17677	
	plastics	epoxy resin	-	103.275	6.63		66290	
	inorganic material	silicon dioxide	60676-86-0	550.801	35.37	44.21	353542	441928
lead finish	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6198	6198
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	0.046			29	
	noble metal	silver	7440-22-4	0.057			37	
	non noble metal	lead	7439-92-1	2.184	0.14	0.14	1402	1468
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	35.15	35.20	351531	351989
*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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