



Material Content Data Sheet



Sales Product Name				IPB020N10N5LF		Issued		4. July 2019	
MA#				MA001719104					
Package				PG-TO263-3-2		Weight*		1562.49 mg	
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip_1	inorganic material	silicon	7440-21-3	7.046	0.45	0.45	4509	4509	
chip_2	inorganic material	silicon	7440-21-3	0.390	0.02	0.02	250	250	
leadframe	inorganic material	phosphorus	7723-14-0	0.091	0.01		58		
	non noble metal	iron	7439-89-6	0.304	0.02		195		
wire	non noble metal	copper	7440-50-8	304.026	19.46	19.49	194578	194831	
	noble metal	gold	7440-57-5	0.078	0.00		50		
encapsulation	non noble metal	aluminium	7429-90-5	9.962	0.64	0.64	6376	6426	
	organic material	carbon black	1333-86-4	10.141	0.65		6491		
	plastics	epoxy resin	-	111.556	7.14		71396		
leadfinish	inorganic material	silicondioxide	60676-86-0	554.401	35.48	43.27	354817	432704	
	non noble metal	tin	7440-31-5	9.657	0.62	0.62	6180	6180	
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		1		
	non noble metal	nickel	7440-02-0	0.228	0.01	0.01	146	147	
solder	non noble metal	tin	7440-31-5	0.122	0.01		78		
	noble metal	silver	7440-22-4	0.153	0.01		98		
	non noble metal	lead	7439-92-1	5.834	0.37	0.39	3734	3910	
glue	plastics	Polyimide	26023-21-2	0.124	0.01	0.01	79	79	
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	35.05	35.10	350508	350964	
*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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