



Material Content Data Sheet



Halogen-Free

Sales Product Name	BSC155N06ND	Issued	24. February 2022
MA#	MA005709315		
Package	PG-TDSON-8-4	Weight*	97.39 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	1.345	1.38	1.38	13811	13811
chip_2	inorganic material	silicon	7440-21-3	1.345	1.38	1.38	13811	13811
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		137	
	non noble metal	iron	7439-89-6	0.044	0.05		457	
	non noble metal	copper	7440-50-8	44.409	45.59	45.65	455977	456571
wire	non noble metal	aluminium	7429-90-5	0.787	0.81	0.81	8083	8083
encapsulation	organic material	carbon black	1333-86-4	0.089	0.09		914	
	plastics	epoxy resin	-	6.323	6.49		64922	
	inorganic material	silicondioxide	60676-86-0	38.116	39.14	45.72	391362	457198
leadfinish	non noble metal	tin	7440-31-5	1.308	1.34	1.34	13426	13426
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.048	0.05	0.05	493	494
solder	non noble metal	tin	7440-31-5	0.066	0.07		682	
	noble metal	silver	7440-22-4	0.083	0.09		852	
	non noble metal	lead	7439-92-1	3.170	3.26	3.42	32553	34087
heatspreader	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	iron	7439-89-6	0.000			3	
	non noble metal	copper	7440-50-8	0.245	0.25	0.25	2515	2519
*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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