

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BSC005N03LS5I	**Issued**	08. April 2022
MA#	MA004854608		
Package	PG-TDSON-8-35	**Weight***	115.20 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	1.940	1.68	1.68	16838	16838
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		135	
	non noble metal	iron	7439-89-6	0.052	0.04		450	
	non noble metal	copper	7440-50-8	51.740	44.94	44.99	449142	449727
wire	noble metal	gold	7440-57-5	0.029	0.03	0.03	252	252
encapsulation	organic material	carbon black	1333-86-4	0.080	0.07		697	
	plastics	epoxy resin	-	6.345	5.51		55082	
	inorganic material	silicondioxide	60676-86-0	33.735	29.28	34.86	292840	348619
leadfinish	non noble metal	tin	7440-31-5	1.392	1.21	1.21	12080	12080
plating	noble metal	silver	7440-22-4	0.194	0.17	0.17	1682	1682
solder	non noble metal	tin	7440-31-5	0.050	0.04		438	
	noble metal	silver	7440-22-4	0.063	0.05		547	
	non noble metal	lead	7439-92-1	2.409	2.09	2.18	20911	21896
heat sink clip	inorganic material	phosphorus	7723-14-0	0.005			45	
	non noble metal	iron	7439-89-6	0.017	0.01		149	
	non noble metal	copper	7440-50-8	17.131	14.87	14.88	148712	148906
*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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