



## Material Content Data Sheet



<b>Sales Product Name</b>				BSC020N03LS G		<b>Issued</b>		20. July 2018	
<b>MA#</b>				MA001630412					
<b>Package</b>				PG-TDSON-8-39		<b>Weight*</b>		113.30 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	2.944	2.60	2.60	25983	25983	
leadframe	non noble metal	iron	7439-89-6	0.049	0.04		430		
	inorganic material	phosphorus	7723-14-0	0.015	0.01		129		
	non noble metal	copper	7440-50-8	48.649	42.96	43.01	429376	429938	
wire	non noble metal	copper	7440-50-8	0.039	0.03	0.03	343	343	
encapsulation	organic material	carbon black	1333-86-4	0.080	0.07		710		
	plastics	epoxy resin	-	6.353	5.61		56075		
	inorganic material	silicondioxide	60676-86-0	33.778	29.81	35.49	298120	354905	
leadfinish	non noble metal	tin	7440-31-5	1.520	1.34	1.34	13416	13416	
plating	noble metal	silver	7440-22-4	0.158	0.14	0.14	1398	1398	
solder	noble metal	silver	7440-22-4	0.066	0.06		581		
	non noble metal	tin	7440-31-5	0.053	0.05		465		
	non noble metal	lead	7439-92-1	2.516	2.22	2.33	22204	23250	
heatspreader	non noble metal	copper	7440-50-8	0.000	0.00		1		
	non noble metal	iron	7439-89-6	0.000	0.00		1		
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.00	1	0	
heat sink CLIP	non noble metal	iron	7439-89-6	0.017	0.01		149		
	inorganic material	phosphorus	7723-14-0	0.005	0.00		45		
	noble metal	silver	7440-22-4	0.150	0.13		1324		
	non noble metal	copper	7440-50-8	16.910	14.92	15.06	149249	150767	
*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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