



Material Content Data Sheet



Sales Product Name				BSC020N03LS G		Issued		20. July 2018	
MA#				MA001505920					
Package				PG-TDSON-8-39		Weight*		120.84 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	2.44	2.44	24363	24363	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		313		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		94		
	non noble metal	copper	7440-50-8	37.762	31.26	31.30	312501	312908	
wire	non noble metal	copper	7440-50-8	0.039	0.03	0.03	321	321	
encapsulation	organic material	carbon black	1333-86-4	0.082	0.07		680		
	plastics	epoxy resin	-	6.495	5.37		53747		
	inorganic material	silicondioxide	60676-86-0	34.528	28.57	34.01	285742	340169	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.20	1.20	12013	12013	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1370	1370	
solder	noble metal	silver	7440-22-4	0.066	0.05		545		
	non noble metal	tin	7440-31-5	0.053	0.04		436		
	non noble metal	lead	7439-92-1	2.516	2.08	2.17	20819	21800	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		94		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.37	9.38	93680	93802	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		185		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	noble metal	silver	7440-22-4	1.032	0.85		8537		
	non noble metal	copper	7440-50-8	22.292	18.45	19.33	184477	193254	
*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.

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com