



Material Content Data Sheet



Sales Product Name		BSC020N03LS G		Issued		24. January 2018		
MA#		MA001604088						
Package		PG-TDSON-8-1		Weight*		121.26 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	2.43	2.43	24279	24279
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		94	
	non noble metal	iron	7439-89-6	0.038	0.03		312	
wire	non noble metal	copper	7440-50-8	37.762	31.15	31.19	311421	311827
	non noble metal	copper	7440-50-8	0.039	0.03	0.03	320	320
encapsulation	organic material	carbon black	1333-86-4	0.083	0.07		681	
	plastics	epoxy resin	-	5.860	4.83		48326	
leadfinish	inorganic material	silicondioxide	60676-86-0	35.324	29.13	34.03	291316	340323
	non noble metal	tin	7440-31-5	1.452	1.20	1.20	11972	11972
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1365	1365
solder	non noble metal	tin	7440-31-5	0.053	0.04		434	
	noble metal	silver	7440-22-4	0.066	0.05		543	
heatspreader	non noble metal	lead	7439-92-1	2.516	2.07	2.16	20747	21724
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28	
heat sink CLIP	non noble metal	iron	7439-89-6	0.011	0.01		93	
	non noble metal	copper	7440-50-8	11.320	9.34	9.35	93357	93478
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.007	0.01		55	
	non noble metal	iron	7439-89-6	0.022	0.02		184	
heat sink CLIP	noble metal	silver	7440-22-4	1.289	1.06		10634	
	non noble metal	copper	7440-50-8	22.292	18.38	19.47	183839	194712
*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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