



Material Content Data Sheet



Sales Product Name				BSC020N03MS G		Issued		7. May 2015	
MA#				MA000457490					
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	non noble metal	iron	7439-89-6	0.038	0.03		312		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		94		
	non noble metal	copper	7440-50-8	37.762	31.15	31.19	311421	311827	
wire	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		
	inorganic material	silicondioxide	60676-86-0	35.324	29.13	34.03	291316	340323	
leadfinish	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	noble metal	silver	7440-22-4	0.066	0.05		543		
	non noble metal	tin	7440-31-5	0.053	0.04		434		
	non noble metal	lead	7439-92-1	2.516	2.07	2.16	20747	21724	
CLIP plating	noble metal	silver	7440-22-4	1.289	1.06	1.06	10634	10634	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		93		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.34	9.35	93357	93478	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		184		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	non noble metal	copper	7440-50-8	22.292	18.38	18.41	183839	184078	
*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 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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