



Material Content Data Sheet



Sales Product Name		BSC050N03MS G		Issued		31. January 2019		
MA#		MA004890166						
Package		PG-TDSON-8-40		Weight*		98.71 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	1.213	1.23	1.23	12284	12284
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		148	
	non noble metal	iron	7439-89-6	0.049	0.05		493	
	non noble metal	copper	7440-50-8	48.649	49.29	49.35	492847	493488
	non noble metal	copper	7440-50-8	0.061	0.06	0.06	620	620
wire	non noble metal	copper	7440-50-8	0.091	0.09		925	
encapsulation	organic material	carbon black	1333-86-4	0.091	0.09		925	
	plastics	epoxy resin	-	7.211	7.30		73049	
	inorganic material	silicondioxide	60676-86-0	38.336	38.84	46.23	388360	462334
leadfinish	non noble metal	tin	7440-31-5	1.520	1.54	1.54	15399	15399
plating	noble metal	silver	7440-22-4	0.158	0.16	0.16	1605	1605
solder	non noble metal	tin	7440-31-5	0.028	0.03		285	
	noble metal	silver	7440-22-4	0.035	0.04		357	
	non noble metal	lead	7439-92-1	1.345	1.36	1.43	13628	14270
*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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