



Material Content Data Sheet



Sales Product Name		BSC052N03LS		Issued		19. July 2018		
MA#		MA001013884						
Package		PG-TDSON-8-6		Weight*		117.95 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	0.210	0.18	0.18	1784	1784
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		321	
	inorganic material	phosphorus	7723-14-0	0.011	0.01		96	
	non noble metal	copper	7440-50-8	37.762	32.02	32.06	320151	320568
wire	noble metal	gold	7440-57-5	0.047	0.04	0.04	395	395
encapsulation	organic material	carbon black	1333-86-4	0.088	0.08		750	
	plastics	epoxy resin	-	6.279	5.32		53236	
	inorganic material	silicondioxide	60676-86-0	37.852	32.07	37.47	320916	374902
leadfinish	non noble metal	tin	7440-31-5	1.470	1.25	1.25	12461	12461
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1403	1403
solder	noble metal	silver	7440-22-4	0.009	0.01		79	
	non noble metal	tin	7440-31-5	0.007	0.01		63	
	non noble metal	lead	7439-92-1	0.355	0.30	0.32	3007	3149
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		96	
	inorganic material	phosphorus	7723-14-0	0.003	0.00		29	
	non noble metal	copper	7440-50-8	11.320	9.60	9.61	95974	96099
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		189	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		57	
	non noble metal	copper	7440-50-8	22.292	18.90	18.93	188993	189239
*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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