



Material Content Data Sheet



Sales Product Name				BSC014N04LS		Issued		9. January 2019	
MA#				MA001021354					
Package				PG-TDSON-8-17		Weight*		119.19 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	1.009	0.85	0.85	8469	8469	
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		95		
	non noble metal	iron	7439-89-6	0.038	0.03		317		
	non noble metal	copper	7440-50-8	37.762	31.68	31.72	316824	317236	
	noble metal	gold	7440-57-5	0.045	0.04	0.04	374	374	
wire	organic material	carbon black	1333-86-4	0.132	0.11		1108		
encapsulation	plastics	epoxy resin	-	5.150	4.32		43207		
	inorganic material	silicondioxide	60676-86-0	38.733	32.51	36.94	324975	369290	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.22	1.22	12179	12179	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1389	1389	
solder	non noble metal	tin	7440-31-5	0.029	0.02		244		
	noble metal	silver	7440-22-4	0.036	0.03		305		
	non noble metal	lead	7439-92-1	1.387	1.16	1.21	11636	12185	
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
heatspreader	non noble metal	zinc	7440-66-6	0.013	0.01		113		
	non noble metal	iron	7439-89-6	0.269	0.23		2254		
	non noble metal	copper	7440-50-8	10.909	9.15	9.39	91528	93923	
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
heat sink CLIP	non noble metal	zinc	7440-66-6	0.026	0.02		222		
	non noble metal	iron	7439-89-6	0.529	0.44		4439		
	non noble metal	copper	7440-50-8	21.482	18.02	18.49	180239	184955	
*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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