



Material Content Data Sheet



Sales Product Name				BSC027N04LS G		Issued		25. September 2017	
MA#				MA001255716					
Package				PG-TDSON-8-1		Weight*		120.88 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	2.391	1.98	1.98	19782	19782	
leadframe	non noble metal	iron	7439-89-6	0.038	0.03		313		
	inorganic material	phosphorus	7723-14-0	0.011	0.01		94		
	non noble metal	copper	7440-50-8	37.762	31.23	31.27	312398	312805	
wire	non noble metal	copper	7440-50-8	0.042	0.03	0.03	344	344	
encapsulation	organic material	carbon black	1333-86-4	0.084	0.07		692		
	plastics	epoxy resin	-	5.935	4.91		49100		
	inorganic material	silicondioxide	60676-86-0	35.777	29.60	34.58	295980	345772	
leadfinish	non noble metal	tin	7440-31-5	1.452	1.20	1.20	12009	12009	
plating	noble metal	silver	7440-22-4	0.166	0.14	0.14	1369	1369	
solder	noble metal	silver	7440-22-4	0.057	0.05		471		
	non noble metal	tin	7440-31-5	0.046	0.04		376		
	non noble metal	lead	7439-92-1	2.173	1.80	1.89	17977	18824	
CLIP plating	noble metal	silver	7440-22-4	1.289	1.07	1.07	10668	10668	
heatspreader	non noble metal	iron	7439-89-6	0.011	0.01		94		
	inorganic material	phosphorus	7723-14-0	0.003	0.00		28		
	non noble metal	copper	7440-50-8	11.320	9.36	9.37	93649	93771	
heat sink CLIP	non noble metal	iron	7439-89-6	0.022	0.02		185		
	inorganic material	phosphorus	7723-14-0	0.007	0.01		55		
	non noble metal	copper	7440-50-8	22.292	18.44	18.47	184416	184656	
*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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