



## Material Content Data Sheet



<b>Sales Product Name</b>				BGS 13S2N9 E6327		<b>Issued</b>		4. July 2019	
<b>MA#</b>				MA004463710					
<b>Package</b>				PG-TSNP-9-3		<b>Weight*</b>		1.44 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	0.157	10.91	10.91	109103	109103	
bumps	non noble metal	copper	7440-50-8	0.011	0.74	0.74	7392	7392	
leadframe	non noble metal	zinc	7440-66-6	0.001	0.08		837		
	non noble metal	tin	7440-31-5	0.002	0.10		1045		
	non noble metal	chromium	7440-47-3	0.002	0.13		1255		
encapsulation	non noble metal	copper	7440-50-8	0.598	41.52	41.83	415152	418289	
	organic material	carbon black	1333-86-4	0.003	0.21		2053		
	plastics	epoxy resin	-	0.086	5.95		59547		
leadfinish	inorganic material	silicondioxide	60676-86-0	0.503	34.91	41.07	349070	410670	
	non noble metal	tin	7440-31-5	0.036	2.52	2.52	25173	25173	
	noble metal	silver	7440-22-4	0.036	2.48	2.48	24806	24806	
plating	noble metal	silver	7440-22-4	0.000	0.01		81		
	non noble metal	tin	7440-31-5	0.006	0.44	0.45	4443	4524	
ubm	non noble metal	tungsten	7440-33-7	0.000	0.00		5		
	non noble metal	titanium	7440-32-6	0.000	0.00		10		
solder	non noble metal	copper	7440-50-8	0.000	0.00	0.00	28	43	
	*deviation	< 10%				Sum in total:	100.00	1000000	

### Important Remarks:

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