



## Material Content Data Sheet



<b>Sales Product Name</b>		BGSA 142MN12 E6327		<b>Issued</b>		12. February 2019		
<b>MA#</b>		MA003616236						
<b>Package</b>		PG-TSNP-12-1		<b>Weight*</b>		2.35 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	0.502	21.34	21.34	213412	213412
bumps	non noble metal	copper	7440-50-8	0.014	0.58	0.58	5789	5789
leadframe	non noble metal	zinc	7440-66-6	0.001	0.06		566	
	non noble metal	tin	7440-31-5	0.002	0.07		707	
	non noble metal	chromium	7440-47-3	0.002	0.08		849	
encapsulation	non noble metal	copper	7440-50-8	0.661	28.08	28.29	280793	282915
	organic material	carbon black	1333-86-4	0.005	0.23		2327	
	plastics	epoxy resin	-	0.159	6.75		67495	
leadfinish	inorganic material	silicondioxide	60676-86-0	0.931	39.57	46.55	395661	465483
	non noble metal	tin	7440-31-5	0.041	1.76	1.76	17629	17629
	noble metal	silver	7440-22-4	0.027	1.16	1.16	11582	11582
plating	noble metal	silver	7440-22-4	0.000	0.01		57	
	noble metal	silver	7440-22-4	0.000	0.01		57	
solder	non noble metal	tin	7440-31-5	0.007	0.31	0.32	3093	3150
	non noble metal	tungsten	7440-33-7	0.000	0.00		5	
ubm	non noble metal	titanium	7440-32-6	0.000	0.00		9	
	non noble metal	copper	7440-50-8	0.000	0.00	0.00	26	40
*deviation	< 10%		Sum in total:			100.00		1000000

### Important Remarks:

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