



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGA 9H1MN9 E6329	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005545222		
<b>Package</b>	PG-TSNP-9-2	<b>Weight*</b>	1.53 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	0.149	9.77	9.77	97711	97711
bumps	non noble metal	copper	7440-50-8	0.009	0.60	0.60	5954	5954
leadframe	non noble metal	zinc	7440-66-6	0.001	0.09		949	
	non noble metal	tin	7440-31-5	0.002	0.12		1186	
	non noble metal	chromium	7440-47-3	0.002	0.14		1424	
	non noble metal	copper	7440-50-8	0.718	47.10	47.45	470947	474506
encapsulation	organic material	carbon black	1333-86-4	0.003	0.19		1876	
	inorganic material	zink oxide	1314-13-2	0.006	0.38		3752	
	miscellaneous	miscellaneous	-	0.009	0.56		5627	
	plastics	epoxy resin	-	0.063	4.13		41266	
	inorganic material	silicondioxide	60676-86-0	0.492	32.26	37.52	322624	375145
leadfinish	non noble metal	tin	7440-31-5	0.026	1.70	1.70	16998	16998
plating	noble metal	silver	7440-22-4	0.042	2.73	2.73	27268	27268
solder	noble metal	silver	7440-22-4	0.000			39	
	non noble metal	tin	7440-31-5	0.003	0.21	0.21	2121	2160
ubm	non noble metal	titanium	7440-32-6	0.000			29	
	non noble metal	copper	7440-50-8	0.000	0.02	0.02	229	258
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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