



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGS 18GA14 E6327	<b>Issued</b>	09. September 2021
<b>MA#</b>	MA005434924		
<b>Package</b>	PG-ATSLP-14-9	<b>Weight*</b>	6.69 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	0.264	3.96	3.96	39555	39555
bumps	noble metal	silver	7440-22-4	0.001	0.01		90	
	non noble metal	tin	7440-31-5	0.033	0.49		4898	
	non noble metal	copper	7440-50-8	0.041	0.61	1.11	6112	11100
encapsulation	organic material	carbon black	1333-86-4	0.025	0.37		3735	
	inorganic material	zink oxide	1314-13-2	0.050	0.75		7471	
	miscellaneous	miscellaneous	-	0.075	1.12		11206	
	plastics	epoxy resin	-	0.549	8.22		82177	
	inorganic material	silicondioxide	60676-86-0	4.295	64.25	74.71	642479	747068
leadfinish	noble metal	gold	7440-57-5	0.078	1.17		11692	
	non noble metal	nickel	7440-02-0	0.089	1.33	2.50	13335	25027
ubm	non noble metal	tungsten	7440-33-7	0.000			38	
	non noble metal	titanium	7440-32-6	0.000	0.01		74	
	non noble metal	copper	7440-50-8	0.001	0.02	0.03	208	320
solder resists	inorganic material	silicondioxide	60676-86-0	0.027	0.40		3988	
	inorganic material	bariumsulfate	7727-43-7	0.027	0.40		4035	
	plastics	acrylic resin	-	0.072	1.07	1.87	10744	18767
substrate metal	non noble metal	copper	7440-50-8	0.505	7.55	7.55	75489	75489
substrate plastic	organic material	carbon black	1333-86-4	0.002	0.02		248	
	plastics	epoxy resin	-	0.065	0.97		9673	
	inorganic material	silicondioxide	60676-86-0	0.486	7.28	8.27	72753	82674
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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