



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** BGS 16GA14 E6327

**Issued**

09. September 2021

**MA#** MA005446592

**Package** PG-ATSLP-14-7

**Weight\***

6.65 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	3.97	3.97	39744	39744
bumps	non noble metal	copper	7440-50-8	0.022	0.32	0.32	3241	3241
encapsulation	organic material	carbon black	1333-86-4	0.025	0.38		3762	
	inorganic material	zink oxide	1314-13-2	0.050	0.75		7523	
	miscellaneous	miscellaneous	-	0.075	1.13		11285	
	plastics	epoxy resin	-	0.551	8.28		82756	
	inorganic material	silicondioxide	60676-86-0	4.305	64.70	75.24	647003	752329
leadfinish	noble metal	gold	7440-57-5	0.078	1.17		11748	
	non noble metal	nickel	7440-02-0	0.089	1.34	2.51	13398	25146
solder	noble metal	silver	7440-22-4	0.000			21	
	non noble metal	tin	7440-31-5	0.008	0.12	0.12	1154	1175
ubm	non noble metal	tungsten	7440-33-7	0.000			41	
	non noble metal	titanium	7440-32-6	0.001	0.01		78	
	non noble metal	copper	7440-50-8	0.001	0.02	0.03	221	340
solder resists	inorganic material	silicondioxide	60676-86-0	0.027	0.40		4007	
	inorganic material	bariumsulfate	7727-43-7	0.027	0.41		4054	
	plastics	acrylic resin	-	0.072	1.08	1.89	10796	18857
substrate metal	non noble metal	copper	7440-50-8	0.507	7.62	7.62	76152	76152
substrate plastic	organic material	carbon black	1333-86-4	0.002	0.02		249	
	plastics	epoxy resin	-	0.065	0.97		9713	
	inorganic material	silicondioxide	60676-86-0	0.486	7.31	8.30	73054	83016
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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