



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 18GA14 E6327	Issued	09. September 2021
MA#	MA005568639		
Package	PG-ATSLP-14-9	Weight*	6.66 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	39704	39704
bumps	noble metal	silver	7440-22-4	0.001	0.01		90	
	non noble metal	tin	7440-31-5	0.033	0.49		4917	
	non noble metal	copper	7440-50-8	0.041	0.61	1.11	6135	11142
encapsulation	organic material	carbon black	1333-86-4	0.030	0.45		4477	
	plastics	epoxy resin	-	0.671	10.07		100726	
	inorganic material	silicondioxide	60676-86-0	4.269	64.11	74.63	640914	746117
leadfinish	noble metal	gold	7440-57-5	0.078	1.17		11736	
	non noble metal	nickel	7440-02-0	0.089	1.34	2.51	13385	25121
ubm	non noble metal	tungsten	7440-33-7	0.000			39	
	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	209	322
solder resists	inorganic material	silicondioxide	60676-86-0	0.027	0.40		4003	
	inorganic material	bariumsulfate	7727-43-7	0.027	0.40		4050	
	plastics	acrylic resin	-	0.072	1.08	1.88	10785	18838
substrate metal	non noble metal	copper	7440-50-8	0.505	7.58	7.58	75772	75772
substrate plastic	organic material	carbon black	1333-86-4	0.002	0.02		249	
	plastics	epoxy resin	-	0.065	0.97		9709	
	inorganic material	silicondioxide	60676-86-0	0.486	7.30	8.29	73026	82984
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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