



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 14MPA9 E6327	Issued	12. August 2021
MA#	MA005403045		
Package	PG-ATSLP-9-3	Weight*	3.35 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	0.361	10.79	10.79	107875	107875
bumps	non noble metal	copper	7440-50-8	0.027	0.81	0.81	8142	8142
encapsulation	organic material	carbon black	1333-86-4	0.011	0.32		3227	
	inorganic material	zink oxide	1314-13-2	0.022	0.65		6455	
	miscellaneous	miscellaneous	-	0.032	0.97		9683	
	plastics	epoxy resin	-	0.238	7.10		71005	
	inorganic material	silicondioxide	60676-86-0	1.857	55.52	64.56	555130	645500
leadfinish	noble metal	gold	7440-57-5	0.037	1.09		10914	
	non noble metal	nickel	7440-02-0	0.042	1.24	2.33	12448	23362
solder	noble metal	silver	7440-22-4	0.000	0.01		53	
	non noble metal	tin	7440-31-5	0.010	0.29	0.30	2900	2953
ubm	non noble metal	tungsten	7440-33-7	0.000			6	
	non noble metal	titanium	7440-32-6	0.000			11	
	non noble metal	copper	7440-50-8	0.000			31	48
solder resists	inorganic material	silicondioxide	60676-86-0	0.016	0.49		4865	
	inorganic material	bariumsulfate	7727-43-7	0.016	0.49		4922	
	plastics	acrylic resin	-	0.044	1.31	2.29	13105	22892
substrate metal	non noble metal	copper	7440-50-8	0.390	11.66	11.66	116559	116559
substrate plastic	organic material	carbon black	1333-86-4	0.001	0.02		218	
	plastics	epoxy resin	-	0.028	0.85		8502	
	inorganic material	silicondioxide	60676-86-0	0.214	6.39	7.26	63949	72669
*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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