



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 14MA11 E6327	Issued	22. April 2022
MA#	MA005713825		
Package	PG-ATSLP-11-2	Weight*	2.36 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	0.163	6.92	6.92	69200	69200
bumps	non noble metal	copper	7440-50-8	0.012	0.53	0.53	5302	5302
encapsulation	organic material	carbon black	1333-86-4	0.008	0.33		3340	
	inorganic material	zink oxide	1314-13-2	0.016	0.67		6680	
	miscellaneous	miscellaneous	-	0.024	1.00		10020	
	plastics	epoxy resin	-	0.173	7.35		73483	
	inorganic material	silicondioxide	60676-86-0	1.353	57.47	66.82	574504	668027
leadfinish	noble metal	gold	7440-57-5	0.027	1.16		11632	
	non noble metal	nickel	7440-02-0	0.031	1.33	2.49	13266	24898
substrate	organic material	carbon black	1333-86-4	0.001	0.03		329	
	plastics	epoxy resin	-	0.030	1.28		12816	
	non noble metal	copper	7440-50-8	0.217	9.23		92349	
	inorganic material	silicondioxide	60676-86-0	0.227	9.64	20.18	96392	201886
solder	noble metal	silver	7440-22-4	0.000			35	
	non noble metal	tin	7440-31-5	0.004	0.19	0.19	1889	1924
ubm	non noble metal	tungsten	7440-33-7	0.000	0.01		134	
	non noble metal	titanium	7440-32-6	0.001	0.03		256	
	non noble metal	copper	7440-50-8	0.002	0.07	0.11	724	1114
solder resists	inorganic material	silicondioxide	60676-86-0	0.014	0.59		5875	
	inorganic material	bariumsulfate	7727-43-7	0.014	0.59		5945	
	plastics	acrylic resin	-	0.037	1.58	2.76	15829	27649
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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