



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGS 14MA11 E6327	<b>Issued</b>	13. August 2021
<b>MA#</b>	MA005434923		
<b>Package</b>	PG-ATSLP-11-2	<b>Weight*</b>	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
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
substrate metal	non noble metal	copper	7440-50-8	0.217	9.23	9.23	92349	92349
substrate plastic	organic material	carbon black	1333-86-4	0.001	0.03		329	
	plastics	epoxy resin	-	0.030	1.28		12816	
	inorganic material	silicondioxide	60676-86-0	0.227	9.64	10.95	96392	109537
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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