



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGSX 210MA18 E6327	<b>Issued</b>	11. August 2021
<b>MA#</b>	MA005568011		
<b>Package</b>	PG-ATSLP-18-3	<b>Weight*</b>	6.38 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	0.223	3.50	3.50	35034	35034
bumps	non noble metal	copper	7440-50-8	0.025	0.39	0.39	3916	3916
encapsulation	organic material	carbon black	1333-86-4	0.028	0.44		4373	
	plastics	epoxy resin	-	0.627	9.84		98402	
	inorganic material	silicondioxide	60676-86-0	3.992	62.62	72.90	626126	728901
leadfinish	noble metal	gold	7440-57-5	0.059	0.93		9257	
	non noble metal	nickel	7440-02-0	0.067	1.06	1.99	10558	19815
solder	noble metal	silver	7440-22-4	0.000			26	
	non noble metal	tin	7440-31-5	0.009	0.14	0.14	1395	1421
ubm	non noble metal	tungsten	7440-33-7	0.000			49	
	non noble metal	titanium	7440-32-6	0.001	0.01		95	
	non noble metal	copper	7440-50-8	0.002	0.03	0.04	267	411
solder resists	inorganic material	silicondioxide	60676-86-0	0.040	0.62		6225	
	inorganic material	bariumsulfate	7727-43-7	0.040	0.63		6298	
	plastics	acrylic resin	-	0.107	1.68	2.93	16770	29293
substrate metal	non noble metal	copper	7440-50-8	0.494	7.74	7.74	77447	77447
substrate plastic	organic material	carbon black	1333-86-4	0.002	0.03		311	
	plastics	epoxy resin	-	0.077	1.21		12140	
	inorganic material	silicondioxide	60676-86-0	0.582	9.13	10.37	91311	103762
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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