



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGSX 212MA18 E6327	<b>Issued</b>	27. April 2022
<b>MA#</b>	MA005714096		
<b>Package</b>	PG-ATSLP-18-2	<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	35000	35000
bumps	non noble metal	copper	7440-50-8	0.025	0.39	0.39	3912	3912
encapsulation	organic material	carbon black	1333-86-4	0.028	0.44		4367	
	plastics	epoxy resin	-	0.627	9.83		98260	
	inorganic material	silicondioxide	60676-86-0	3.991	62.52	72.79	625228	727855
leadfinish	noble metal	gold	7440-57-5	0.059	0.92		9248	
	non noble metal	nickel	7440-02-0	0.067	1.05	1.97	10547	19795
substrate	organic material	carbon black	1333-86-4	0.002	0.03		310	
	plastics	epoxy resin	-	0.077	1.21		12094	
	non noble metal	copper	7440-50-8	0.505	7.91		79131	
	inorganic material	silicondioxide	60676-86-0	0.581	9.10	18.25	90963	182498
solder	noble metal	silver	7440-22-4	0.000			26	
	non noble metal	tin	7440-31-5	0.009	0.14	0.14	1393	1419
ubm	non noble metal	tungsten	7440-33-7	0.000			49	
	non noble metal	titanium	7440-32-6	0.001	0.01		94	
	non noble metal	copper	7440-50-8	0.002	0.03	0.04	267	410
solder resists	inorganic material	silicondioxide	60676-86-0	0.039	0.62		6186	
	inorganic material	bariumsulfate	7727-43-7	0.040	0.63		6259	
	plastics	acrylic resin	-	0.106	1.67	2.92	16666	29111
*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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