



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGSX 22G5A10 E6327	<b>Issued</b>	09. September 2021
<b>MA#</b>	MA005350317		
<b>Package</b>	PG-ATSLP-10-2	<b>Weight*</b>	2.48 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	0.543	21.87	21.87	218723	218723
bumps	non noble metal	copper	7440-50-8	0.014	0.55	0.55	5486	5486
encapsulation	organic material	carbon black	1333-86-4	0.007	0.26		2643	
	inorganic material	zink oxide	1314-13-2	0.013	0.53		5285	
	miscellaneous	miscellaneous	-	0.020	0.79		7928	
	plastics	epoxy resin	-	0.144	5.81		58137	
	inorganic material	silicondioxide	60676-86-0	1.128	45.46	52.85	454524	528517
leadfinish	noble metal	gold	7440-57-5	0.028	1.11		11095	
	non noble metal	nickel	7440-02-0	0.031	1.27	2.38	12653	23748
solder	noble metal	silver	7440-22-4	0.000			36	
	non noble metal	tin	7440-31-5	0.005	0.20	0.20	1954	1990
ubm	non noble metal	tungsten	7440-33-7	0.000			15	
	non noble metal	titanium	7440-32-6	0.000			29	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	83	127
solder resists	inorganic material	silicondioxide	60676-86-0	0.014	0.56		5628	
	inorganic material	bariumsulfate	7727-43-7	0.014	0.57		5694	
	plastics	acrylic resin	-	0.038	1.52	2.65	15162	26484
substrate metal	non noble metal	copper	7440-50-8	0.229	9.23	9.23	92303	92303
substrate plastic	organic material	carbon black	1333-86-4	0.001	0.03		308	
	plastics	epoxy resin	-	0.030	1.20		12007	
	inorganic material	silicondioxide	60676-86-0	0.224	9.03	10.26	90307	102622
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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