

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BGSX 212MA18 E6327	**Issued**	09. September 2021
MA#	MA005446310		
Package	PG-ATSLP-18-2	**Weight***	6.41 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	3.49	3.49	34872	34872
bumps	non noble metal	copper	7440-50-8	0.025	0.39	0.39	3897	3897
encapsulation	organic material	carbon black	1333-86-4	0.023	0.36		3644	
	inorganic material	zink oxide	1314-13-2	0.047	0.73		7288	
	miscellaneous	miscellaneous	-	0.070	1.09		10933	
	plastics	epoxy resin	-	0.514	8.02		80173	
	inorganic material	silicondioxide	60676-86-0	4.015	62.70	72.90	626808	728846
leadfinish	noble metal	gold	7440-57-5	0.059	0.92		9214	
	non noble metal	nickel	7440-02-0	0.067	1.05	1.97	10509	19723
solder	noble metal	silver	7440-22-4	0.000			25	
	non noble metal	tin	7440-31-5	0.009	0.14	0.14	1388	1413
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	266	409
solder resists	inorganic material	silicondioxide	60676-86-0	0.039	0.62		6164	
	inorganic material	bariumsulfate	7727-43-7	0.040	0.62		6236	
	plastics	acrylic resin	-	0.106	1.66	2.90	16606	29006
substrate metal	non noble metal	copper	7440-50-8	0.505	7.88	7.88	78843	78843
substrate plastic	organic material	carbon black	1333-86-4	0.002	0.03		309	
	plastics	epoxy resin	-	0.077	1.20		12050	
	inorganic material	silicondioxide	60676-86-0	0.581	9.06	10.29	90632	102991
*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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