



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	BGSX 44MU18 E6327	<b>Issued</b>	06. February 2022
<b>MA#</b>	MA005344611		
<b>Package</b>	PG-WLGA-18-1	<b>Weight*</b>	6.68 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	0.746	11.18	11.18	111751	111751
bumps	noble metal	silver	7440-22-4	0.000	0.01		67	
	non noble metal	nickel	7440-02-0	0.004	0.07		669	
	non noble metal	tin	7440-31-5	0.022	0.33		3346	
	non noble metal	copper	7440-50-8	0.062	0.93	1.34	9303	13385
encapsulation	organic material	carbon black	1333-86-4	0.029	0.43		4326	
	organic material	phenol formaldehyde resin	9003-35-4	0.144	2.16		21630	
	plastics	epoxy resin	-	0.405	6.06		60564	
	inorganic material	amorphous silica	7631-86-9	0.867	12.98		129780	
	inorganic material	silicondioxide	60676-86-0	1.445	21.61	43.24	216298	432598
leadfinish	noble metal	palladium	7440-05-3	0.000			50	
	noble metal	gold	7440-57-5	0.001	0.01		80	
	non noble metal	nickel	7440-02-0	0.010	0.15	0.16	1452	1582
ubm	non noble metal	titanium	7440-32-6	0.000			11	
	non noble metal	copper	7440-50-8	0.001	0.01	0.01	84	95
solder resists	plastics	epoxy resin	-	0.060	0.90		9050	
	inorganic material	bariumsulfate	7727-43-7	0.093	1.39		13887	
	plastics	acrylic resin	-	0.107	1.61	3.90	16072	39009
substrate metal	non noble metal	copper	7440-50-8	1.173	17.56	17.56	175577	175577
substrate plastic	plastics	bismaleimide triazine resin	-	0.377	5.65		56501	
	inorganic material	aluminiumhydroxide	21645-51-2	0.415	6.22		62151	
	inorganic material	glass fibre	-	0.717	10.74	22.61	107351	226003
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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