



## Material Content Data Sheet



<b>Sales Product Name</b>				BGSX 210MA18 E6327		<b>Issued</b>		19. January 2018	
<b>MA#</b>				MA001479358					
<b>Package</b>				PG-ATSLP-18-3		<b>Weight*</b>		6.40 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	34906	34906	
bumps	non noble metal	copper	7440-50-8	0.025	0.39	0.39	3901	3901	
encapsulation	organic material	carbon black	1333-86-4	0.023	0.36		3649		
	plastics	epoxy resin	-	0.677	10.58		105833		
leadfinish	inorganic material	silicondioxide	60676-86-0	3.971	62.05	72.99	620397	729879	
	noble metal	gold	7440-57-5	0.059	0.92		9223		
	non noble metal	nickel	7440-02-0	0.067	1.05	1.97	10519	19742	
substrate	organic material	carbon black	1333-86-4	0.002	0.03		310		
	plastics	epoxy resin	-	0.077	1.21		12096		
	non noble metal	copper	7440-50-8	0.494	7.72		77164		
ubm	inorganic material	silicondioxide	60676-86-0	0.582	9.10	18.06	90976	180546	
	non noble metal	copper	7440-50-8	0.002	0.03		266		
	non noble metal	titanium	7440-32-6	0.001	0.01		94		
solder	non noble metal	tungsten	7440-33-7	0.000	0.00	0.04	49	409	
	noble metal	silver	7440-22-4	0.000	0.00		33		
	non noble metal	tin	7440-31-5	0.009	0.14	0.14	1398	1431	
solder resists	inorganic material	silicondioxide	60676-86-0	0.040	0.62		6202		
	inorganic material	bariumsulfate	7727-43-7	0.040	0.63		6275		
	plastics	acrylic resin	-	0.107	1.67	2.92	16709	29186	
*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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