



## Material Content Data Sheet



<b>Sales Product Name</b>				BGSX 33MU16 E6327		<b>Issued</b>		4. July 2019	
<b>MA#</b>				MA004842680					
<b>Package</b>				PG-ULGA-16-3		<b>Weight*</b>		5.47 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	0.917	16.77	16.77	167722	167722	
bumps	non noble metal	copper	7440-50-8	0.028	0.51	0.51	5118	5118	
encapsulation	organic material	carbon black	1333-86-4	0.012	0.22		2195		
	plastics	epoxy resin	-	0.348	6.37		63668		
leadfinish	inorganic material	silicondioxide	60676-86-0	2.040	37.32	43.91	373228	439091	
	noble metal	palladium	7440-05-3	0.000	0.01		53		
	noble metal	gold	7440-57-5	0.000	0.01		86		
substrate	non noble metal	nickel	7440-02-0	0.009	0.16	0.18	1569	1708	
	inorganic material	glass fibre wool	65997-17-3	0.315	5.76		57629		
	organic material	thermosetting resin	-	0.350	6.40		64032		
solder	non noble metal	copper	7440-50-8	1.303	23.84	36.00	238350	360011	
	noble metal	silver	7440-22-4	0.000	0.00		50		
	non noble metal	tin	7440-31-5	0.015	0.27	0.27	2734	2784	
ubm	non noble metal	tungsten	7440-33-7	0.000	0.00		4		
	non noble metal	titanium	7440-32-6	0.000	0.00		7		
	non noble metal	copper	7440-50-8	0.000	0.00	0.00	19	30	
solder resists	inorganic material	silicondioxide	60676-86-0	0.014	0.26		2589		
	plastics	epoxy resin	-	0.017	0.31		3060		
	inorganic material	bariumsulfate	7727-43-7	0.028	0.52		5178		
	plastics	acrylic resin	-	0.069	1.27	2.36	12709	23536	
*deviation	< 10%			Sum in total:		100.00		1000000	

### Important Remarks:

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