



Material Content Data Sheet



Sales Product Name				BGSF 18DM20 E6327		Issued		25. September 2017	
MA#				MA001430994					
Package				PG-VCCN-20-1		Weight*		23.29 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	1.238	5.32	5.32	53153	53153	
leadframe	non noble metal	copper	7440-50-8	2.118	9.09	9.09	90927	90927	
encapsulation	organic material	carbon black	1333-86-4	0.017	0.07		729		
	plastics	epoxy resin	-	0.747	3.21		32072		
leadfinish	inorganic material	silicondioxide	60676-86-0	4.895	21.01	24.29	210167	242968	
	noble metal	gold	7440-57-5	0.177	0.76		7618		
	non noble metal	nickel	7440-02-0	0.202	0.87	1.63	8689	16307	
substrate	plastics	epoxy resin	-	0.097	0.42		4153		
	inorganic material	bariumsulfate	7727-43-7	0.148	0.64		6372		
	plastics	acrylic resin	-	0.172	0.74		7375		
ubm	plastics	bismaleimide triazine resin	-	1.794	7.70		77025		
		inorganic material	aluminiumhydroxide	21645-51-2	1.973	8.47		84728	
	non noble metal	copper	7440-50-8	3.148	13.52		135186		
	inorganic material	glass fibre	-	3.408	14.63	46.12	146348	461187	
	non noble metal	copper	7440-50-8	0.000	0.00		12		
solder	non noble metal	nickel	7440-02-0	0.004	0.02		167		
	non noble metal	titanium	7440-32-6	0.000	0.00		4		
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.02	4	187	
	noble metal	silver	7440-22-4	0.037	0.16		1610		
smd	non noble metal	tin	7440-31-5	1.034	4.44	4.60	44392	46002	
	non noble metal	nickel	7440-02-0	0.034	0.15		1472		
	noble metal	silver	7440-22-4	0.042	0.18		1798		
	inorganic material	boronoxide	1303-86-2	0.051	0.22		2196		
	non noble metal	tin	7440-31-5	0.091	0.39		3928		
	inorganic material	silicondioxide	60676-86-0	0.172	0.74		7367		
	non noble metal	copper	7440-50-8	0.221	0.95		9492		
BallBumps	inorganic material	calcium zirconate	11129-15-0	1.388	5.96	8.59	59604	85857	
	noble metal	silver	7440-22-4	0.002	0.01		78		
	non noble metal	tin	7440-31-5	0.078	0.33	0.34	3334	3412	
*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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