



Material Content Data Sheet



Sales Product Name				BGSF 18DM20 E6327		Issued		20. July 2018	
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		
substrate	non noble metal	nickel	7440-02-0	0.202	0.87	1.63	8689	16307	
	plastics	epoxy resin	-	0.097	0.42		4153		
ubm	inorganic material	bariumsulfate	7727-43-7	0.148	0.64		6372		
	plastics	acrylic resin	-	0.172	0.74		7375		
	plastics	bismaleimide triazine resin	-	1.794	7.70		77025		
solder	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	
smd	non noble metal	copper	7440-50-8	0.000	0.00		12		
	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	
BallBumps	noble metal	silver	7440-22-4	0.037	0.16		1610		
	non noble metal	tin	7440-31-5	1.034	4.44	4.60	44392	46002	
*deviation	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		
*deviation	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		
*deviation	non noble metal	tin	7440-31-5	0.078	0.33	0.34	3334	3412	
						Sum in total:		100.00	1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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