



Material Content Data Sheet



Sales Product Name		BGS 16MA12 E6327		Issued		9. January 2019		
MA#		MA002039108						
Package		PG-ATSLP-12-10		Weight*		2.79 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	0.255	9.12	9.12	91161	91161
bumps	non noble metal	copper	7440-50-8	0.016	0.57	0.57	5687	5687
encapsulation	organic material	carbon black	1333-86-4	0.009	0.32		3200	
	plastics	epoxy resin	-	0.259	9.28		92792	
	inorganic material	silicondioxide	60676-86-0	1.520	54.41	64.01	543954	639946
leadfinish	noble metal	gold	7440-57-5	0.041	1.47		14747	
	non noble metal	nickel	7440-02-0	0.047	1.68	3.15	16819	31566
substrate	organic material	carbon black	1333-86-4	0.001	0.03		292	
	plastics	epoxy resin	-	0.032	1.14		11411	
	inorganic material	silicondioxide	60676-86-0	0.240	8.58		85825	
	non noble metal	copper	7440-50-8	0.290	10.38	20.13	103837	201365
solder	noble metal	silver	7440-22-4	0.000	0.00		37	
	non noble metal	tin	7440-31-5	0.006	0.20	0.20	2026	2063
ubm	non noble metal	tungsten	7440-33-7	0.000	0.00		32	
	non noble metal	titanium	7440-32-6	0.000	0.01		61	
	non noble metal	copper	7440-50-8	0.000	0.02	0.03	173	266
solder resists	inorganic material	silicondioxide	60676-86-0	0.017	0.59		5939	
	inorganic material	bariumsulfate	7727-43-7	0.017	0.60		6008	
	plastics	acrylic resin	-	0.045	1.60	2.79	15999	27946
*deviation	< 10%		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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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