



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 16GA14 E6327	Issued	27. April 2022
MA#	MA005713839		
Package	PG-ATSLP-14-7	Weight*	6.65 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	0.264	3.97	3.97	39744	39744
bumps	non noble metal	copper	7440-50-8	0.022	0.32	0.32	3241	3241
encapsulation	organic material	carbon black	1333-86-4	0.025	0.38		3762	
	inorganic material	zink oxide	1314-13-2	0.050	0.75		7523	
	miscellaneous	miscellaneous	-	0.075	1.13		11285	
	plastics	epoxy resin	-	0.551	8.28		82756	
	inorganic material	silicondioxide	60676-86-0	4.305	64.70	75.24	647003	752329
leadfinish	noble metal	gold	7440-57-5	0.078	1.17		11748	
	non noble metal	nickel	7440-02-0	0.089	1.34	2.51	13398	25146
substrate	organic material	carbon black	1333-86-4	0.002	0.02		249	
	plastics	epoxy resin	-	0.065	0.97		9713	
	inorganic material	silicondioxide	60676-86-0	0.486	7.31		73054	
	non noble metal	copper	7440-50-8	0.507	7.62	15.92	76152	159168
solder	noble metal	silver	7440-22-4	0.000			21	
	non noble metal	tin	7440-31-5	0.008	0.12	0.12	1154	1175
ubm	non noble metal	tungsten	7440-33-7	0.000			41	
	non noble metal	titanium	7440-32-6	0.001	0.01		78	
	non noble metal	copper	7440-50-8	0.001	0.02	0.03	221	340
solder resists	inorganic material	silicondioxide	60676-86-0	0.027	0.40		4007	
	inorganic material	bariumsulfate	7727-43-7	0.027	0.41		4054	
	plastics	acrylic resin	-	0.072	1.08	1.89	10796	18857
*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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