



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 16GA14 E6327	Issued	27. April 2022
MA#	MA005715199		
Package	PG-ATSLP-14-7	Weight*	6.63 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	3.99	3.99	39894	39894
bumps	non noble metal	copper	7440-50-8	0.022	0.33	0.33	3253	3253
encapsulation	organic material	carbon black	1333-86-4	0.030	0.45		4508	
	plastics	epoxy resin	-	0.672	10.14		101438	
	inorganic material	silicondioxide	60676-86-0	4.278	64.57	75.16	645449	751395
leadfinish	noble metal	gold	7440-57-5	0.078	1.18		11792	
	non noble metal	nickel	7440-02-0	0.089	1.34	2.52	13449	25241
substrate	organic material	carbon black	1333-86-4	0.002	0.02		250	
	plastics	epoxy resin	-	0.065	0.97		9749	
	inorganic material	silicondioxide	60676-86-0	0.486	7.33		73330	
	non noble metal	copper	7440-50-8	0.507	7.64	15.96	76439	159768
solder	noble metal	silver	7440-22-4	0.000			21	
	non noble metal	tin	7440-31-5	0.008	0.12	0.12	1159	1180
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	222	341
solder resists	inorganic material	silicondioxide	60676-86-0	0.027	0.40		4022	
	inorganic material	bariumsulfate	7727-43-7	0.027	0.41		4070	
	plastics	acrylic resin	-	0.072	1.08	1.89	10836	18928
*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.
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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com