



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 13S4N9 E6327	Issued	11. April 2021
MA#	MA005347452		
Package	PG-TSNP-9-3	Weight*	1.44 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	0.157	10.91	10.91	109103	109103
bumps	non noble metal	copper	7440-50-8	0.011	0.74	0.74	7392	7392
leadframe	non noble metal	zinc	7440-66-6	0.001	0.08		837	
	non noble metal	tin	7440-31-5	0.002	0.10		1045	
	non noble metal	chromium	7440-47-3	0.002	0.13		1255	
	non noble metal	copper	7440-50-8	0.598	41.51	41.82	415151	418288
encapsulation	organic material	carbon black	1333-86-4	0.003	0.21		2053	
	inorganic material	zink oxide	1314-13-2	0.006	0.41		4107	
	miscellaneous	miscellaneous	-	0.009	0.62		6160	
	plastics	epoxy resin	-	0.065	4.52		45174	
	inorganic material	silicondioxide	60676-86-0	0.509	35.32	41.08	353177	410671
leadfinish	non noble metal	tin	7440-31-5	0.036	2.52	2.52	25173	25173
plating	noble metal	silver	7440-22-4	0.036	2.48	2.48	24806	24806
solder	noble metal	silver	7440-22-4	0.000	0.01		81	
	non noble metal	tin	7440-31-5	0.006	0.44	0.45	4443	4524
ubm	non noble metal	tungsten	7440-33-7	0.000			5	
	non noble metal	titanium	7440-32-6	0.000			10	
	non noble metal	copper	7440-50-8	0.000			28	43
*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.

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