



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 12WN6 E6327	Issued	13. May 2021
MA#	MA002235102		
Package	PG-TSNP-6-10	Weight*	0.83 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	0.094	11.25	11.25	112537	112537
bumps	noble metal	silver	7440-22-4	0.000			38	
	non noble metal	nickel	7440-02-0	0.000	0.04		384	
	non noble metal	tin	7440-31-5	0.002	0.19		1923	
	non noble metal	copper	7440-50-8	0.004	0.53	0.76	5345	7690
leadframe	non noble metal	zinc	7440-66-6	0.001	0.08		758	
	non noble metal	tin	7440-31-5	0.001	0.09		948	
	non noble metal	chromium	7440-47-3	0.001	0.11		1137	
	non noble metal	copper	7440-50-8	0.313	37.63	37.91	376258	379101
encapsulation	organic material	carbon black	1333-86-4	0.001	0.10		954	
	plastics	epoxy resin	-	0.047	5.63		56267	
	inorganic material	silicondioxide	60676-86-0	0.349	41.96	47.69	419614	476835
leadfinish	non noble metal	tin	7440-31-5	0.017	2.08	2.08	20755	20755
solder	noble metal	silver	7440-22-4	0.000	0.01		70	
	non noble metal	tin	7440-31-5	0.002	0.29	0.30	2939	3009
ubm	non noble metal	titanium	7440-32-6	0.000			8	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	65	73
*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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