

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BGSA 142MN12 E6327	**Issued**	08. April 2022
MA#	MA005710004		
Package	PG-TSNP-12-1	**Weight***	2.35 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	0.502	21.34	21.34	213412	213412
bumps	non noble metal	copper	7440-50-8	0.014	0.58	0.58	5789	5789
leadframe	non noble metal	zinc	7440-66-6	0.001	0.06		566	
	non noble metal	tin	7440-31-5	0.002	0.07		707	
	non noble metal	chromium	7440-47-3	0.002	0.08		849	
	non noble metal	copper	7440-50-8	0.661	28.08	28.29	280793	282915
encapsulation	organic material	carbon black	1333-86-4	0.005	0.23		2327	
	inorganic material	zink oxide	1314-13-2	0.011	0.47		4655	
	miscellaneous	miscellaneous	-	0.016	0.70		6982	
	plastics	epoxy resin	-	0.120	5.12		51203	
	inorganic material	silicondioxide	60676-86-0	0.942	40.03	46.55	400316	465483
leadfinish	non noble metal	tin	7440-31-5	0.041	1.76	1.76	17629	17629
plating	noble metal	silver	7440-22-4	0.027	1.16	1.16	11582	11582
solder	noble metal	silver	7440-22-4	0.000	0.01		57	
	non noble metal	tin	7440-31-5	0.007	0.31	0.32	3093	3150
ubm	non noble metal	tungsten	7440-33-7	0.000			5	
	non noble metal	titanium	7440-32-6	0.000			9	
	non noble metal	copper	7440-50-8	0.000			26	40
*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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