



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 13SN8 E6327	Issued	24. February 2022
MA#	MA001270572		
Package	PG-TSNP-8-1	Weight*	1.43 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	0.168	11.71	11.71	117134	117134
bumps	non noble metal	copper	7440-50-8	0.006	0.42	0.42	4233	4233
leadframe	non noble metal	zinc	7440-66-6	0.001	0.08		803	
	non noble metal	tin	7440-31-5	0.001	0.10		1003	
	non noble metal	chromium	7440-47-3	0.002	0.12		1204	
	non noble metal	copper	7440-50-8	0.570	39.83	40.13	398299	401309
encapsulation	organic material	carbon black	1333-86-4	0.003	0.22		2188	
	inorganic material	zink oxide	1314-13-2	0.006	0.44		4377	
	miscellaneous	miscellaneous	-	0.009	0.66		6565	
	plastics	epoxy resin	-	0.069	4.81		48143	
	inorganic material	silicondioxide	60676-86-0	0.538	37.64	43.77	376387	437660
leadfinish	non noble metal	tin	7440-31-5	0.023	1.61	1.61	16112	16112
plating	noble metal	silver	7440-22-4	0.030	2.11	2.11	21076	21076
solder	noble metal	silver	7440-22-4	0.000	0.01		54	
	non noble metal	tin	7440-31-5	0.003	0.23	0.24	2275	2329
ubm	non noble metal	tungsten	7440-33-7	0.000			17	
	non noble metal	titanium	7440-32-6	0.000			34	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	96	147
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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